



**MAHADHAN  
AGRITECH  
LIMITED**

(Formerly known as Smartchem Technologies Limited)

100% subsidiary of DFPCL

## **MAHADHAN AGRITECH LTD (MAL)**

**(100% Subsidiary of Deepak Fertilisers & Petrochemicals Corporation Limited)**

Registered office at: - Sai Hira, Survey no. 93, Mundhwa, Pune – 411036, Maharashtra, India.

Plant at MAL Unit- Plot K1 , K-7 & 8, Taloja MIDC Industrial Area, Raigad, Maharashtra, India-410208

**Subject: - Value based Tender for Annual Rate Contract to Provide Mechanical Fabrication & Maintenance Services at Mahadhan Agritech Limited (MAL/Company) Taloja K1 Plant.**

**Tender Ref : MAL( K-1) /MECH/01/ 2023-24**

**Date: 22.03.2024**

Sealed Technical bids are invited from professionally competent service providers of Mechanical Fabrication & Maintenance Services in Sealed Envelope with EMD. The sealed envelope shall be super scribed with Tender Reference Number, Name of Work & content in it and addressed to Mr. Swapneel Attarde or Mr. Yuvaraj Naik, At **Mahadhan Agritech Limited** at Plot K8 MIDC Industrial Area, Taloja, 410 208, Dist.: Raigad, Maharashtra, India

### **Stage I Bidding**

- **Sealed Envelope- I:** - Technical Bid- General Terms and Conditions, Commercial Terms and Conditions, Special Conditions and Scope of work (Excluding price Bid)
- **Sealed Envelope- II:** - Earnest Money Deposit (EMD) for Amount Rs.1,00,000 (Rs. One Lac only) per unit & Price Bid (Please be guided with Annexure-I)
- The Scope of work for each activity mentioned in annexure of this tender (Excel Sheet -Annexure A)
- You will submit the closed technical bid in hard copy and in 2 envelop system by hand or through courier to MAL latest by 15.04.2024.
- The commercial price bid will be invited from technically qualified Tenderers.

Exceptions and deviations, which tendered may desire to stipulate. (Tenderers are advised to submit the Tender strictly on the terms and conditions of the contract and specifications contained in the Tender documents and not to stipulate any deviations. However, if deviations become unavoidable, then it may be stipulated. The Company MAL reserves the right to reject such deviations or evaluate the Tenderers containing deviations having financial implication, by adding the cost for such deviations as may be determined by the Company MAL).

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## **Stage II Bidding**

**Submission & opening of the Bid:** The Bidders shall submit the duly filled in all the bid documents (Stage I- Two Envelope system) signing on each page along with requisite document as mentioned in pre-qualification criteria and EMD & every component by the authorized signatory in Purchase Department of the Company **latest by 15.04.2024 up to 15.00 PM.**

All the above documents should be hand delivered or Couriered to the following address.  
Mr Swapneel Attarde or Mr. Yuvaraj Naik (Representative of MAL)

### **Mahadhan Agritech LTD**

Unit- Plot K-7 & K-8, Taloja MIDC Industrial Area,  
Raigad, Maharashtra, India-410208  
Phone: 022-5044 3017 and 022-5044 3019

The Stage I Bid documents shall be opened within a week from the last date of submission tenders.

During Commercial Price Bid (Technically qualified Tenderers) need to quote for each activity as mentioned in Stage I excel sheet attachment Annexure C. We may reject the tender in case you do not quote for all items. As this is a volume contract, the contract will be awarded to two/three/four agencies. **MAL reserves the right to split contracts among many agencies at their sole discretion.**

### **E-Auction:**

After submission of Stage I bid documents and close price bid, the E auction will be conducted. The E auction will be governed by the Business Rules for online Auction as per enclosed pages in Stage I bidding. Only Technically acceptable Tenderers against the tender can only participate in further process. MAL's decision on technical evaluation shall be final and no correspondence shall be entertained in this regard. The Tenderers who do not fulfill all or any of the conditions laid down in the tender document are liable to be ignored at the sole discretion of MAL. MAL also reserves the right to reject any/all the offers without assigning any reason thereof.

**In case of any technical queries**, you may contact our Job Controller as below.

K1-MAL Unit – 1) Shri. Mahesh Kalghatgi (Tel.022-50684383, Mob. 9820636652)

2) Shri Atulkumar Khatri (Tel.022-50684376, Mob. 9820234697)

### **For commercial queries you may contact**

Mr Swapneel Attarde Tel No: - 022 5044 3017 (Mob.9833004627)

Mr. Yuvaraj Naik Tel No: - 022-5044 3019 (Mob.7892776483)

Thanking you,

**For Mahadhan Agritech Limited**

Srungavarapu Srinivas Rao

Senior General Manager-Sourcing & Supply Chain (Materials)- Corp Sourcing.

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**The following are Pre-qualification criteria to be submitted along with Stage I Tender document.**

- [a] Annual Turnover of minimum Rs 1 Crores including group companies.
- [b] Only professionally competent contractors should participate in the Tender.
- [c] The net-worth of the bidder should be positive during the preceding financial year.
- [d] Compliances of statutory requirement like registration under ESIC Act, PF Act, GST and other statutory compliance to operate/ do business in India.
- [e] Minimum 3 to 5 years of experience in Similar field and details of similar ongoing works including group companies.
- [f] List of clients of the Company/Firms.
- [g] Details of manpower owned technical, and staff submitted along with the tender.
- [h] List of requisite tools & tackles, equipment. (Attested Copy to be enclosed).
- [i] The contractor should not have any record of being de-barred or blacklisted by any State / Central Govt. Dept. / any public / private organization. Compliances with the provisions all the personnel related statutes (and the corresponding rules framed under these various statutes) as may be applicable including, but not limited to statutory compliance like registration under ESIC Act, PF Act, Contract Labour Regulation and Abolition) Act, 1970, GST and other statutory compliances to operate / do business in India. The tenderer should carefully go through the Safety related rules as applicable in MAL (Refer Annexure II) and the statutory regulations (refer Annexure III) to be strictly followed.
- [j] Should be able to handle any local matters.
- [k] If the contractor is MSME then should have a valid MSME registration and a copy of the same should be enclosed along with the tender document at the time of submission.
- [l] Organization Structure of the contractor.

The tendered must provide the supporting documents for above mentioned prequalification criteria.

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**ANNEXURE I**  
**GENERAL TERMS AND CONDITIONS**

1. Earnest Money Deposit of Rs.1,00,000/- (Rs. One Lac only) in the form of Bank demand draft (drawn on public sector bank or reputed private bank only) will have to be submitted in favour of Mahadhan Agritech Limited payable at Mumbai along with tender document. Tenders received without EMD will be disqualified.
2. All pages of the tender form and questionnaire must be signed and sealed by Tenderers.
3. Tenderers have to submit details along with documentary evidence for the following:
  - a) Registration/ incorporation certificate as Proprietary/ Partnership Firm/ Private Ltd or Public Ltd Company/ LLP.
  - b) Registration certificate with PF organization for allotment of PF code number.
  - c) Registration certificate with Goods and Service Tax (GST).
  - d) Allotment letter under ESIC Act
  - e) Registration certificate under Maharashtra Labor Welfare Board.
  - f) Registration certificate for professional Tax.
  - g) Registration certificate with Income Tax Dept for allotment of permanent income tax code number.
  - h) Tenderers are advised to submit their bids strictly on the terms and conditions of the bid. document and not to stipulate any deviation.
  - i) ISO Certification holder: Name of certification: -----Validity: -----(Attested Copy to be enclosed)
  - j) Organization Chart: Executive -----, Technical Staff----- (Attested Copy to be Enclosed giving the details)
  - k) List of requisite machinery, tools & tackles, equipment. (Attested Copy to be enclosed)
  - l] Audited annual Turnover: for last three Financial Years.
  - m] List of similar jobs carried out in another company.
  - n] Client List.
  - o] MSME certificate if applicable.

**Special Note: The contractors/Tenderer's who are registered with MAL need not to submit the documents mentioned above.**

4. MAL reserves the right to accept or reject any or all tenders at its sole discretion without assigning any reason.
5. Late tender will not be accepted / received.
6. Canvassing in any connection with the tender in any form is strictly prohibited. Tenders submitted by the party who resort to canvassing will be liable for rejection and forfeiture of EMD.
7. In case of any unscheduled holiday falling on the prescribed closing or opening day of the tender, the next working day will be treated as scheduled for the opening or closing day of the tender as the case may be. The Final concluding bid shall be valid for 6 months from date of auction and if any new requirement is received shall be catered at same auction price.
8. The bidders are advised to read carefully all the terms and conditions of the tender document which will form part of the contract.

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9. If the Tenderers give wrong information deliberately to create conditions for acceptance of the tender, the MAL reserves the right to reject such tenders without assigning any reason.

10. Not more than one tender will be submitted by one Tenderer for the same work.

### **1.0 INSTRUCTIONS FOR SUBMISSION OF TENDER:**

1) The Tenderers are advised to visit the site of work to acquaint themselves as to the nature and location of the work, access to the site, the general & local conditions, particularly those bearing upon transportation, disposal, handling and storage of materials, availability of labour, water, electric power, physical conditions etc. and shall be included on such account while quoting for the tender.

2) Tenderers shall quote the tender in the prescribed format of the tender document. Tenders should be free from overwriting. All corrections should be duly attested by the Tenderer. Tenders should be signed & stamped by person/s that are legally authorized to sign on behalf of the person or firm or company tendering and in case of firm / company tender should bear its seal or stamp.

3) Tender format should contain columns for amount in Rupees (if any),

4) The Tenderers shall not stipulate any additional conditions. Any tender containing such conditions will be summarily rejected. Canvassing in connection with tenders is strictly prohibited. Tenders submitted by the Tenderers, who resort to canvassing, will be rejected outright.

5) The work may be split up between two or more Contractors or accepted in part and not in entirety, if considered expedient at the sole discretion of MAL Management.

6) Submission of a tender will be conclusive evidence to the fact that the Tenderer has fully satisfied himself as to the nature and scope of work to be done, procedures for issue or materials, conditions of contract, local precautions to be ensured, security rules to be followed and all other factors affecting the performance of the contract and the cost thereof.

7) It will be obligatory on the part of Tenderer to sign the documents for all the component parts on each and every page.

8) No Bidder is allowed to bid below the current minimum wages applicable.

### **2.0 AMENDMENT TO NIT (Notice Inviting Tender):**

At any time prior to the deadline for submission of bids, MAL or its nominee or its consultants may for any reason, whether at its own initiative or otherwise or in response to any clarification requested by a prospective Bidder, modify the NIT by amendment. The amendment will be notified in writing to all prospective Bidders who have received the NIT and the amendment will be binding on them. In order to afford prospective Bidders reasonable time to take the amendment into account in preparing their tenders, extension of time as may be reasonable, will be given for submission of tenders.

### **3.0 SUBMISSION OF TENDERS:**

The Bidder shall bear all costs associated with the preparation and submission of the Bid and neither the company nor its nominee nor its consultants will be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process. Any clarification required by prospective bidder shall be furnished in writing soon after its

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receipt to ensure submission of bid on or before bid closing date. A metric measurement system shall be applied, wherever it is applicable.

#### **4.0 EARNEST MONEY DEPOSIT (EMD)**

The amount of earnest Money shall be deposited in the form of bank demand draft drawn on reputed public sector bank or reputed private bank only). **The EMD should be in the name of M/s. Mahadhan Agritech Limited.** payable at Panvel/ Mumbai. The EMD will be forfeited in the event of the Contractor/Tenderer failing to commence work within the 30 days period. The Earnest money deposited [E.M.D.] by the successful Tenderer's shall be Returned to the bidder after the commencement of the work and on receipt of bank guarantee towards security deposit (if applicable). The tenders without E.M.D. shall be liable for rejection. If for any reason the bidder withdraws his bid at any time prior to expiry of the validity period or refuses to execute the work after issue of the letter of intent/Work Order, the amount of Earnest Money is liable to be forfeited. Earnest Money Deposit will not carry interest. E.M.D. of the unsuccessful participating bidders will be refunded within one month.

#### **5.0 RIGHT OF ACCEPTANCE & REJECTION OF TENDER:**

MAL reserves the right to accept at their sole discretion any tender in whole or part or split the work among two or more Contractor/Tenderers or reject any or all Bids without assigning any reason thereof. No claim for compensation etc. whatsoever will be entertained by MAL. If a Contractor/Tenderer whose past performance has not been found satisfactory in the opinion of MAL, then MAL reserves the right to refuse the tender documents or reject the tender while opening or evaluating the tenders. The decision of MAL regarding performance evaluation shall be final & binding on the Contractor/Tenderers. MAL shall not have any liability to Tenderers for any interruption or delay in access to the site irrespective of the cause.

#### **6.0 VALIDITY OF BIDS:**

Bids shall be valid for at least 90 days after the date of price bid opening prescribed by the MAL. A bid valid for a shorter period may be rejected at the discretion of MAL. In exceptional circumstances, MAL may solicit the bidder's consent to an extension of the period of validity. The request and responses thereto shall be made in writing. The bids shall be suitably extended where it is necessary at the request of MAL. Where the bidder is unwillingly to extend the validity period, his bid shall be deemed to be invalid and the EMD would be returned to the bidder. No bidder shall be permitted to modify his bid after commercial bids have been opened unless asked by MAL due to change in specifications / scope or otherwise. The Final concluding bid shall be valid for 6 months from date of auction and if any new requirement is received shall be catered at same auction price.

**MAL's decision for award of contract shall be final and binding on all the tenderers.**

#### **7.0 PROCEDURE FOR AUCTIONING**

**7.1 [a] Auction:** MAL will declare its **Opening Price (OP)**, which shall be displayed to all Tenderers during the start of the Auction. The Tenderer will be required to start bidding after the announcement of Opening Price and decrement amount. Opening Price displayed on screen is evaluated price to MAL for all the items mentioned in price bid. The first online bid and the subsequent bids received in the system during the event shall be less than the Auction's opening bid price by one decrement or multiples of decrement.

**[b] Auction** shall be for a period of 30 minutes or as per MAL requirement. If a Tenderer places a bid in the last **2 minutes** of closing of the Auction and if that bid gets accepted, then the auction's duration shall get extended automatically for another **2 minutes**, for the entire auction (i.e. for all the items in the auction), from the time that bid comes in. The auto-extension will take place only if a bid is received & accepted in those last **2 minutes**. If the bid does not get accepted, the auto-extension will not take place. In case there is no bid in the last **2 minutes** of closing of Auction, the auction shall get closed automatically without any extension. However, Tenderers are advised not to

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wait till the last minute or last few seconds to enter their bid during the auto-extension period to avoid complications related with internet connectivity, network problems, system crash down, power failure, etc.

**[c]** After the completion of Auction, the **Closing / Final Price (CP)** shall be available on auction screen.

7.2. During Auction, if no bid is received within the specified time, MAL, at its sole discretion, may decide to reschedule / scrap the Auction process / proceed with conventional mode of tendering / or finalize the tender based on Prices Bid submitted in the envelope.

7.3. Placement of order on the conclusion of Auction shall be at the discretion of MAL. Bids once made by Tenderer cannot be cancelled, or withdrawn. If the bidder withdraws the bid, then the EMD of the bidder will be forfeited.

7.4. It shall be the prerogative of MAL to offer the Final / Closing Price of Auction to the other bidders for matching in case MAL decides to have more than one supplier.

7.5. The Tenderer shall be assigned a **Unique Username & Password** by MAL's. The Tenderer is advised to change the Password and edit the information in the Registration Page after the receipt of initial Password from MAL. To ensure confidentiality. All bids made from the Login ID given to Tenderer will be deemed to have been made by them.

7.6. The Tenderer will be able to view the following on screen along with the necessary fields in the Reverse Auction:  
\_ Leading Bid in the Auction (Current Lowest Rate)  
\_ Opening Price & Decrement Value.

7.7. MAL decision for award of Contract shall be final and binding on all the Tenderers.

7.8. MAL shall not have any liability to Tenderers for any interruption or delay in access to the site irrespective of the cause.

**8.0. SUBMISSION OF TENDERS:**

The Bidder shall bear all costs associated with the preparation and submission of the Bid and neither the company nor its nominee nor its consultants will be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process. Any clarification required by prospective bidder shall be furnished in writing soon after its receipt so as to ensure submission of bid on or before bid closing date. A metric measurement system shall be applied, wherever it is applicable.

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## ANNEXURE II

### Special Terms and Conditions

#### SAFETY ASPECTS:

1.01 Tenderer/ Contractor to provide safety appliances like dust masks, ear plugs, Full body harness, ladder, safety shoes, helmet, hand gloves, safety goggles, PPE, rain gears, Boiler suit/overall made up from cotton cloths etc. to their personnel working inside the Complex at his cost and should adhere to safety codes as given in General Conditions of the contract.

ISI mark yellow helmet to be provided of Udyogi or any standard company.

ISI marked safety shoes to be provided of Bata make or any standard Company.

ISI marked antifog goggles to be provided of any standard company.

If any deviation noticed, then the company will provide the helmet and safety shoes and will deduct the landing cost at actual incurred by company. After repetitive incidents of violation of safety PPES by Tenderer, serious penalty amount will be deducted from Tenderer's invoice as per safety requirement.

a) Penalty for violation of Safety norms: Rs 500/- for first instance per person, in multiple for next similar violations.

b) The manpower shall be confirmed physically fit by Factory Medical Officer to carry out assigned job at MAL work site. Tenderer/ Contractor must report with manpower to factory medical officer on very first day of his contract or his worker's first day of duty.

c) No young and Minor Child labour shall be allowed to enter and work at the site of MAL.

d) The Tenderer/ Contractor shall ensure the safety training of their workman prior to start of the assignment/ job with the help of MAL Supervisor and Safety Officer.

e) Electrical hand tools, welding machines deployed for the job shall be confirmed for the provision of ELCB proper earthing. The same shall be inspected by MAL Safety Officer and Electrical department.

f) Tenderer/ Contractor shall deploy Safety Supervisor for the manpower condition more than of 20 CL & 30 CL.

g) Tenderer/ Contractor shall prepare Job Safety Analysis for daily activities and will get endorsed from MAL Maintenance In charge. Hazard Identification and Risk assessment shall be done for each activity and accordingly Risk control measures shall be taken to control every risk. Every contract workman at site will be using Safety Helmet, Boiler suit and safety shoes compulsorily. Ear, Eye, Nose and Hand as well as body protection equipment will be used from time to time to protect the body from each activity.

h) Safety Work Permit system to be followed while performing any job. will be issued by Tenderer/ Contract Safety Officer, will perform inspections/checks that all jobs for safety procedures to be followed.

i) Safety Training, First Aid Training, shall be given to all workers on the first day and for five minutes every day at the start of the day.

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- j) No person shall work under the control of liquor, Chewing of Tobacco or smoking is strictly prohibited on site.
- k) Housekeeping on site is the essence of the contract. The site will be cleaned at the start and end of the work every day by the Contractor/Tenderer.
- l) Every electrical supply shall be taken through closed socket and ELCB, every electrical hand tool will have proper earthing arrangement. All electrical required to check from MAL electrical dept. And put equipment inspection tag required before put in use.
- m) All workers shall be provided with written and understandable Information about their employment conditions in respect to safety & wages before they enter employment and about the particulars of their wages for the pay period concerned each time that they are paid and deduction of fines for non-compliance of safety standards if any.
- n) There should be no discrimination in hiring, training, compensation, access to training, promotion, termination or retirement based on race, caste, national origin, religion, age, disability, gender, marital status, sexual orientation, union membership or political affiliation.
- o) Non-compliance of safety guidelines will be considered as default and may invite penalty upon the Contractor.

**1.02. Safety Training**

- 1) Tenderer/ Contractor has to deploy experienced trained and skilled manpower for the job assigned.
- 2) Safety training will be given by MAL Safety officer to all manpower reported on duty. Tenderer/ Contractor's Safety Supervisor shall prepare job safety analysis with the help of the Maintenance Officer for the job to be carried out and the procedure which is going to be used for the job. On the basis of the agreed procedure safety training will be given and the adequacy of safety PPE's will be checked by the Safety Officer.
- 3) Safety training certificates will be issued to all Tenderer's/ Contractors' workers. Every Contractor/Tenderer's worker will maintain a safety certificate copy with him for the period of work inside the factory/ work site of MAL. The certificate will be valid for a period of six months from the date of issue. After the validity, Tenderer/ Contractor and contract worker has to revalidate the certificate by acquiring additional certificate training from the Company.
- 4) Worker shall be aware of First Aid and using First Aid equipment and emergency procedures and assembly point at site.
- 5) Falsification or tampering of records, including safety certificates, attendance records, academic credentials, etc., will be considered as default and may invite penalty upon the Contractor.

**1.03. Accidental Reporting**

- 1) Safety of the worker/s is the essence of the contract.
- 2) Any unsafe condition noticed by the Tenderer/ Contractor/Contract worker shall be notified to the MAL Supervisor and Safety Officer on duty.

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3) Any near miss, minor injury, First Aid or major injury shall be reported to OHC & Safety Officer in writing by the Tenderer/ Contractor within 4 hours, with cause of the incident.

4) First Aid treatment shall be made available at OHC. Any more treatment advised by OHC /Factory medical officer shall be made available by Tenderer/ Contractor at ESIC recognized hospital/specialized hospital. It is sole responsibility of the Tenderer/ Contractor to make available in time the best treatment to its worker at his cost/insurance. MAL shall not be responsible for the same.

#### **1.04 Safety Performance**

1) Every contract shall be vetted for safety performance of previous contract and experience

2) Safety training to workers, proactive performance, availability of safety appliances, Attitude towards safety implementation, rewards to the worker/s will be evaluation parameters.

#### **2. Labor law and Safety codes:**

All the matters concerned with labour management shall be as per the prevailing Labor laws. Tenderer/ Contractor will obtain labour license/s on arrival at site before commencement of the job. The first RA bill shall be released only on submission of the copy of labour license duly attested by MAL Administration in the prescribed format. If labour license is not applicable, the Tenderer/ Contractor shall obtain confirmation to this effect from MAL Administration.

Tenderer/ Contractor will comply with all labour and other statutory laws applicable from time to time. All labour laws, such as Contract Labour (Regulation and Abolition) Act 1970 with Maharashtra and Central Rules, Employees State Insurance Act with Rules & Regulations, The Maharashtra Workmen's Minimum House Rent Allowance Act, 1983 with Rules 1990, The Payment of Bonus Act, 1965 with Rules 1975, Factories Act with Mah. Rules, The Digital Personal Data Protection Act, 2023, The Employees Provident Funds and Miscellaneous Provisions Act, 1952, Minimum Wages Act 1948, Payment of Wages Act 1936, Maharashtra Labor Welfare Act, etc. and such other acts which are in force, or which may come in force during the subsisting of the contract, should be adhered to by the Tenderer/ Contractor and such other rules/ regulations/ laws made applicable from time to time.

The Tenderer/ Contractor agrees to procure and maintain, at its own cost, insurance policy enough to insure against all liability, claims, demands, and other obligations assumed by the Contractor. Such insurance shall be in addition to any other insurance requirements imposed by this contract or by law.

The Tenderer/ Contractor shall be solely responsible for its employees. And always keep the MAL Indemnified from all losses, actions, penalties etc. arising out of this Tender/ Contract.

The Tenderer/ Contractor shall be responsible for all acts of its personnel and representatives, directly or indirectly rendering services in relation to or connected with job entrusted and to comply with all applicable labor laws.

#### **2.01 Deployment of Medically Fit Manpower:**

For the due execution of this Contract, the Tenderer/ Contractor shall deploy workers/supervisors who are always physically and mentally fit and are not disabled/handicapped and do not suffer from any chronic or contagious disease. It shall be the responsibility of the Tenderer/ Contractor to ensure that its Workers/Supervisors employed are medically fit. The Tenderer/ Contractor shall give a written declaration as regards the fitness of the Workers/Supervisors employed at the time of applying for the Gate Pass. If any employee employed by the

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Tenderer/ Contractor becomes or is declared medically unfit after the issuance of the Gate Pass, the MAL shall revoke the Gate Pass.

Failure to comply with this stipulation shall entail penalty as may be decided by the management apart from refusing entry to such Workers/Supervisors of the contractor. The decision of the MAL's Medical Officer in this regard shall be final.

**2.02 MEDICAL EXAMINATION:**

Tenderer/ Contractor should ensure that all its Workers/Supervisors deployed at MAL sites undergo pre-employment fitness examination. The form No.33 (Prescribed under Rule 68T & 102) should be filled in for all its Workers/Supervisors deployed and should be submitted by Him/her to the user department.

Contract Workers/Supervisors completing 12 months shall undergo annual medical examination. Such examination must include the following tests: -

- 1) Complete Physical Examination. This will be done at MAL OHC.
- 2) X-Ray chest PA view (Once in Pre-employment then once every three years)
- 3) Complete haemogram (T&D, Hb at minimum)
- 4) One urine examination using Multistix.

All entries pertaining to the periodical examination must be made and maintained in form 32 (Bounded register) prescribed under Rule 68 T & 102.

Form No.32 must be maintained in bounded register & should be submitted to the OCCUPATIONAL HEALTH CENTER for records annually.

Each Personnel should use required Personal Protective Equipment's (PPE)as per Job (Minimum: Safety Shoes, Canvas Gloves, Welding Face shield attached with helmet safety goggles) For a work at height each person should use individual safety helmets with two lifelines (in good conditions).

Failure or negligence on part of Contractor in following these health and safety rules shall invite penalty as may be decided by the management and/or as described herein below.

Falsification or tampering of medical records will be considered as default and may invite penalty upon the Contractor.

**2.03 Safety Organization of Tenderer:**

The Contractor/Tenderer shall be fully responsible for supervision of its personnel to ensure that they strictly adhere to all applicable safety fire requirements.

The Contractor/Tenderer shall appoint one of its personnel on the work site as a Safety officer with the approval from the plant. Contractor/Tenderer shall employ skilled, experienced, trained, and dedicated safety personnel as per below details:

Safety officer deployment as per term of contract – 01 against 20 CL

If 101 and more employees – Additional safety officers/100 employees

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Ensuring barricading in the area while work is in progress by Contractor/Tenderer.

Proper segregation of the insulation/ waste/ not required material and timely disposal

If Space/shed provided to Contractor/Tenderer – Prime responsibility and accountability of Contractor/Tenderer to ensure it neat and tidy and no unsafe conditions at any time.

Quality PPEs provision – ISI - marked safety Shoes, ISI - marked Yellow Safety Helmets, EN166 marked Safety Goggles, ISI marked dust masks, ISI marked Safety harness with double lifeline and with shock absorber, Coveralls.

BIS certified – Yellow color safety helmets with Test certificate worn by Contractor/Tenderers /contract workmen.

Contract safety officer shall conduct training for all contract employees as per guideline given by MAL safety dept. The Contractor/Tenderer's owner / line manager in charge on site shall be responsible for formation of the organization and coordination the Contractor/Tenderer's Safety activities. This organization shall take responsibility for all safety related activities with respect to their jobs.

**2.04 Recruitment, Training of Contractor/Tenderer's Personnel: -**

The Contractor/Tenderer shall at his own expense ensure that all its personnel and sub-contractor's personnel have been given the necessary safety, job-related training required by MAL regulations and will provide proof to the effect. The Contractor worker/Tenderer's personnel shall participate in any additional training, which may be provided by MAL. Access to work site by the Contractor/Tenderer's personnel shall be denied if not complying with the rules and regulations at site.

**2.05 Minimum Entry qualification for contract Personnel:**

The contractor/Tenderer shall employ only those personnel who are trained in their trade or otherwise having sufficient working experience to ensure their and others safety while on the work. Contractor/Tenderer shall employ only those personnel who at least can speak & read Marathi, Hindi or English. Contractor/Tenderer shall maintain up to date record of qualification and experience of his personnel and produce it to concerned MAL authorities in advance.

**2.06 Safety Meetings: -**

The Contractor/Tenderer shall be responsible for maintaining and enhancing the Safety awareness of the workmen working under him, including sub-contractor. The Contractor/Tenderer will inform the MAL safety manager of the time and place of safety meetings arranged by him. Copies of minutes / records of Contractor/Tenderer's safety committee meetings shall be sent to the MAL Safety Department. The Contractor/Tenderer and sub-contractor's personnel are to be encouraged to contribute actively to safety meetings and to identify S.H.E. topics for inclusion in the agenda for a safety meeting. Toolbox talk should be conducted before conducting any maintenance activity. Safety committee meetings conducted by MAL should be attended by a nominated representative of the Contractor/Tenderer and he shall ensure the communication of same for his employees. This scheme is applicable to all Contractor/Tenderers working in the complex.

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***The participating company's declaration:  
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***(Company name, seal and signature of authorized person with Designation)***

## **2.07 First Aid and Industrial Injuries: -**

Tenderer shall maintain first aid facilities for his employees. All industrial injuries (minor & major) shall be reported promptly to Engineer-In-Charge, and a copy of Tenderers report covering each personnel injury requiring the attention of a physician shall be furnished to Company.

## **2.08 Health:-**

It is the responsibility of the Tenderer to provide hospitalization expenses, to carry the injured or sick personnel on duty to the designated hospital and to pay salary as per statutory requirements in case of absence from duty after suffering from occupational injury and to take post-hospitalization care with salary paid till the injured joins back duty / resigns / retires.

To provide documented proof for providing medical care / hospitalization, bearing hospital expenses, salary paid during and post hospitalization till complete recovery / not recovery - to Occupational Health Center

To provide Fitness certificate from the hospital at the time of joining duty after suffering from occupational injury while on duty - to Occupational Health Center

To provide Unfit certificate from the Hospital as the case may be – to Occupational Health Center

The Tenderer should provide the following details to Occupational Health Centre on the first day of beginning of contractual period.

Name with phone number/s of the manpower

Name of the close relative/s of the manpower with phone number/s

Residential address of the manpower

Name of the Registered / Tie-up Hospital with phone number and Doctor's name/s – wherein the manpower provided needs to be hospitalized if required.

## **2.09 Schedule of penalties for safety violations**

Use of PPE is mandatory, and non-compliance shall be viewed seriously. Punitive actions including financial penalty may be imposed for safety violations.

- 1            Type of violation-Supervisor found at site without having undergone safety induction training  
              First Time-Rs.50/- per employee  
              Repetitions-Rs.100/- Per employee  
              Frequent Safety violations-Rs.100/- Per employee
- 2            Type of violation-Employee found without using required safety equipment  
              First Time-Rs.50/- per employee  
              Repetitions-Rs.100/- Per employee  
              Frequent Safety violations-Rs.100/- Per employee + warning letter
- 3            Type of violation-Employee found without safety belt or without anchoring the safety line at  
              height  
              First Time-Rs.100/- per employee

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- Repetitions-Rs.200/- per employee  
Frequent Safety violations-Rs.200/- Per employee + warning letter
- 4 Type of violation-Using defective equipment (Tools & Tackles) at site having potential for accident/fire  
First Time-Rs.500/-each Observation  
Repetitions-Rs.1000/-each Observation  
Frequent Safety violations-Rs.2000/-each Observation + warning letter
- 5 Type of violation-Non-compliance of HSE&F procedures/standard practices  
First Time-Upto Rs.500/-  
Repetitions-Upto Rs.1000/-  
Frequent Safety violations-Review for de-listing
- 6 Type of violation-Carrying out job in an unsafe manner having potential for serious consequences e.g. fall accident, damage to property electrocution etc.  
First Time-Rs.1000/-each observation  
Repetitions-Rs.2000/-each observation  
Frequent Safety violations--Review for de-listing
- 7 Type of violation-Medical treatment injury  
First Time—Verbal Warning  
Repetitions-Warning letter  
Frequent Safety violations--Review for delisting
- 8 Type of violation-Lost time accident  
First Time-Warning letter  
Repetitions-Review for de-listing the contractor from approved list
- 9 Type of violation-Fatal Accident  
First Time-Review for de-listing the contractor from approved list.

## 2.10 UNIFORM:

The Contractor/Tenderer staff shall wear uniform as per work environment, After finalization-color code will be given to Contractor by user team for recognition of team in unit), Boiler suite (As per standard), Rainy wear (During monsoon) while working inside plant premises. They shall also wear badge/name plate/Printed name on Uniform while they are working at site. All labour laws/ regulations shall be strictly followed by Contractor/Tenderer as per central/state govt. directives. Before executing the contract agreement, Contractor/Tenderer will ensure with MAL P&A dept. that they are maintaining necessary records as required under labour laws.

Penalty for violation for Not wearing uniform/Boiler suit/Rainy Wear: Rs 500 for first instance per person, in multiple for next similar violations.

## 2.11 STATUTORY COMPLIANCE: -

Contractor/Tenderer will comply with all statutory regulations like payment as per minimum wages, bonus, labour welfare fund, leave wages, PF, ESIC, maintaining requisite record. Viz. various registers and submitting the same to the P&A department whenever asked for by MAL. In case of failure to comply with the regulations, appropriate deductions will be made from your bill, in addition to penalty deductions as agreed.

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**(A) Documents Required at the time of Issuance of Gate Passes:**

Whenever the Contractor/Tenderer applies for gate passes to his worker/s to enter into MAL premises, they have to apply on its letter head (Format with HR Department) along-with following documents. The application should be recommended by the authorized User Dept.

Copy of Work Order/LOI issued by MAL.

Copy of Temporary or Regular ESIC Card of each worker (under ESIC Act) or Employees Compensation Policy (If contract worker drawing wages more than Rs.21000/-, required authentic proof i.e. appointment letter or last month pays lip) or Group Personal Accident Policy along-with list of employees who is covered under the said GPA.

In case more than 49 persons are to be engaged, Contractor/Tenderer has to apply and obtain Labour License under Contract Labour (R&A) Act from the State Labour authorities.

Copy of Allotment letter under ESIC Act

Copy of Registration certificate with PF organization for allotment of PF code number along with PF annual return submitted with the concern PF Commissioner.

Copy of Registration certificate under Maharashtra Labor Welfare Board.

Copy of Registration certificate for professional Tax.

Copy of Register of workmen employed by Contractor/Tenderer (Form XIII) – Rule 74

Copy of Employment Card (Form XIV) - Rule 76

Copy of Application for employment, appointment letter issued by Contractor/Tenderer to his workers.

Copy of Insurance coverage covering MAL, as workplace, and for the number of persons to be deployed. The nature of work in the policy should be the same as per the work order issued by MAL.

Medical Examination and fitness reports in respect of all the contract labors from the designated/specified medical officers.

If the job is subcontracted then no objection certificate from Contract Cell, MAL regarding subcontracting the work, work order issued to subcontractor by the main Contractor/Tenderer and all the documents mentioned at Sr. No.1 to 12 are also required in respect of the subcontractor. However, the same will be with prior written consent of the MAL only.

UAN Number or any other government recognized ID (like-Aadhar card, PAN card, PRAN card) is mandatory for making gate pass.

**(B) Procedure to be followed by the Contractor/Tenderers during the work period.**

Documents / Registers / Challans to be maintained & photocopies of the same should be submitted to HR Department for verification on monthly basis on or before 28th of every month.

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- 1) Wage disbursement: Minimum wages as notified by State Govt. from time to time are required to be paid to the workers.
- 2) Monthly wage to all contract laborers as per their actual attendance to be paid on or before 7th Day of every month in presence of authorized person from MAL. Wage slips will be issued to all Contract Labors while disbursement of wages.
- 3) PF is required to be deducted in respect of all the contract labors and deposited with PF authorities by 21st Day of the month and receipt of the same to be submitted with MAL.
- 4) ESIC is required to be deducted in respect of all the contract labours and deposited with concern authorities by 21st day of the month and receipt of the same to be submitted with MAL.
- 5) Labour Welfare Fund is required to be deducted in respect of all the contract labours and deposited with concern authorities for the wages of June & December of every year within stipulated time and receipt of the same to be submitted with MAL.
- 6) Professional Tax is required to be deducted in respect of all the contract labours and deposited with concern authorities as per act and receipt of the same to be submitted with MAL.
- 7) Following records under Contract Labour (R&A) Act & other acts will also be verified by Contract Labour Cell:
  1. Wage Register in form XVII. (Under the C.L Act)
  2. Muster Roll in Form XVI (under the C.L Act)
  3. Register of deductions (under the C.L Act)
  4. Register of Overtime (under the C.L Act)
  5. Register of Fines (under the C.L Act)
  6. Register of advances (under the C.L Act)
  7. Bonus Register in Form C (under the Payment of Bonus Act)
  8. Leave register in Form 20 (under the Factories Act)
- 8) Copy of all the work orders (first two pages only applicable only if not submitted earlier) for which clearance certificate is sought.
- 9) Copy of Monthly Wage Register.
- 10) Copy of monthly PF challan along with receipted copy of monthly PF returns i.e. Form 12A, Form 5 and Form 10.
- 11) Site wise breakup of PF: If Contractor/Tenderer is working for various other companies then the site wise breakup of Monthly PF challan/returns.
- 12) Copy of Labour License (if not submitted earlier).
- 13) In case the work period is February/March, then the receipt of Annual PF return for that year is required.
- 14) Inspection report of PF and Labour authority.

Tenderer/ Contractor should ensure that he has complied all statutory compliances as per above said acts for that particular Month before raising wage bill. contractors has to pay Leave & Bonus in monthly components to the labor.

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***The participating company's declaration:***

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if it is found that it is not paid the dues while checking the compliance documents then proportionate amount will be kept on hold from your bills, and the same amount will be release on reimbursement bases.

MAL has the right to hold the bill for any particular month if the Tenderer/ Contractor has not complied with the mandatory statutory compliances. MAL Can levy Penalties for such repetitive Non-Compliance.

The Tenderer/ Contractor shall always keep MAL indemnified from any risk/ liability/ penalty/ cases arising from non-compliance of the same.

15) All workers shall be provided with written and understandable Information about their employment conditions in respect to safety & wages before they enter employment and about the particulars of their wages for the pay period concerned each time that they are paid and deduction of fines for non-compliance of safety standards if any.

16) There should be no discrimination in hiring, training, compensation, access to training, promotion, termination or retirement based on race, caste, national origin, religion, age, disability, gender, marital status, sexual orientation, union membership or political affiliation.

➤ **The below mentioned Statutory compliance must submit by vendors before 20th day of next month.**

Annexure-E

PF/ ECR challan copy

PF, ECR & Payment receipt

ESIC, ECR & payment receipt

PT challan copy

MLWF (in the month of June & Dec)

Levy payment proof [for Security vendor only]

Muster roll cum Wages register, including bonus and leave wages payment

In / out entry register maintained at entrance security gate

Register of deduction for damage & loss

Register of Over Time Register

Register of Fine

Register of Advances

Wage Slips

Proof of salary made through RTGS/Bank transfer/Cheque payment.

Bonus Register Form C, D & Leave Form 20 to provide annually.

➤ **MAL has CLMS System for registration of Vendors, below docs need to provide by Tenderer/ Contractor during working period & for his laborer.**

PF allotment letter

ESIC registration letter if wages are less than Rs.21000/-

Pan Card

GST Registration Certificate

MLWF registration certificate

Professional tax number

Copy of Work / Purchase Order

Owner Name and cell/Phone number

E.mail ID of vendor

Site In charge name and his cell number

Copy of labour license, if strength is more than 50 numbers

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**If wages are more than Rs.21000/** >Employees Compensation Policy or GPA policy with list of employees [Payslip or declaration regarding wages are more than Rs.21000/- are must to be provide by vendor for above mentioned policies]"

➤ **The below mentioned documents of workers are to be require for CLMS registration.**

1.E.pehchan card under ESIC or

2.Workman Compensation Policy or

Group Personal accident policy with list of employees Payslip or declaration regarding wages are more than Rs.21000/- are must to be provide by vendor for above mentioned sr.no.2."

Copy of aadhar card

Copy of PAN card

Copy of cheque leaf or bank pass book

UAN Number under PF Act

Cell Number of workers

**(C) HOUSEKEEPING:**

Tenderer/ Contractor shall do housekeeping and shall remove all unwanted materials from the work site immediately after completion of work. Housekeeping shall also be done in between the work to keep the work area clean & tidy. 25% of the bill's value will be deducted if housekeeping is not done properly.

**(D) ASSIGNMENT OR SUB-LETTING OF CONTRACT:**

The Tenderer/ Contractor shall not assign or sub-let the Contract or any part thereof or allow any person to become interested therein in any manner whatsoever without the previous consent in writing of MAL. Any breach of this condition shall entitle MAL to take such steps as may be necessary and also terminate Contract. Such termination shall also render the Tenderer/ Contractor liable for payment to MAL in respect of any loss or damage arising or ensuing from such cancellation. The permitted subletting or work by the Tenderer/ Contractor shall not establish any contractual relationship between the sub-contractor and MAL and shall not release the Tenderer/ Contractor of any responsibility under the Contract.

**(E) CONTRACTOR/TENDERER TO BE LIABLE FOR ALL THE TAXES ETC:**

The Tenderer/ Contractor shall be liable to pay all the taxes payable as per the prevailing laws made applicable or might come in force from time to time by the concerned authority. MAL shall not be responsible for the same.

**(F) INDEMNITY:**

Without prejudice to any other provisions in these conditions, the Tenderer/ Contractor shall be bound to keep MAL, Its Directors or any representative employee agents, fully indemnified against any action, claim or proceedings under the provisions of any rules, regulations, byelaws, notifications, directions or order having the force of law.

The Tenderer/ Contractor in contravention of such provisions etc., for the infringement or violation thereof in the course of the execution or completion of the work under the Contract and if, as a result of any such action, claim or proceedings, the Tenderer/ Contractor or such representative of the Tenderer/ Contractor, as the case may be, adjudged to be liable to any penalties or to pay any penalties or to pay any compensation, such liability, the Tenderer/ Contractor and if, MAL has to take-over the liability, MAL shall deduct all amounts arising out of such liabilities from the Security Deposit or from the running account of the Tenderer/ Contractor or from any other

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amount due and payable by MAL to the Tenderer/ Contractor under this Contract or any other Contract and without prejudice to any other legal remedy available to MAL.

**(G) TENDERER/ CONTRACTOR TO COMPLY WITH ALL LAWS ETC:**

The Contractor/Tenderer shall be responsible for ensuring compliance with all Central and State Laws as well as the Rules, Regulations, Byelaws and Orders of the Local Authorities and Statutory Bodies as may be in force from time to time. The Tenderer/ Tenderer shall give to the statutory bodies, local authorities, police, and other relevant authorities all such notices etc. as may be required by law and obtain all requisite Licenses and pay all fees, Duties, Taxes, charges etc. in connection therewith as may be livable on account of his operations involved under this Contract.

The Contractor/ Tenderer shall make good at his own cost any damage to the property of the Company or any other body, persons, local authorities etc. due to or arising from operations involved under this Contract and the Company shall have the right to recover the cost of damage from dues payable from the Bank Guarantee or Security Deposit of the Tenderer/ Tenderer.

If Company's job-controller observes non-compliance by the Contractor/Tenderer in complying with provisions of labour statutes and specific Acts relevant to the Tender/ Contract, Company shall retain double the value of the non-compliance amount taking into consideration interest, penalty and dues. In case the Company is forced to pay the dues, along with interest and penalty, due to failure of the Contractor/Tenderer, the Company shall be at liberty to recover such amount or any part thereof by deducting it from the Security Deposit or from any sum due by the Company to the Contractor/Tenderer whether under this Contract or otherwise.

**(H) CONFIDENTIALITY:**

Both the parties during the continuance of this Agreement and 3 (Three) years after termination of this Agreement, Tenderer and/or his employees/ personnel shall keep all information, such as specifications, technical information, business data and other confidential information under this Agreement strictly confidential and shall not. Disclose it to any third party or use it for other purpose than to perform its obligations under this Agreement. Tenderer/ Tenderer and/or personnel may disclose the information to an employee of Tenderer, or a government agency or other regulating authority.

But only insofar as this is necessary either to carry out its duties under this Agreement or comply with any existing law, and under intimation to "Company". Where sub clause (b) applies, the Tenderer and/or personnel shall ensure that the person who receives the information keeps it confidential and does not use it for any unauthorized purpose. If any unpublished price sensitive information is disclosed by the Company the Contractor/Tenderer and its representatives, agents, shall comply with the provisions of the Insider Trading regulation applicable and made applicable from time to time.

Unauthorized disclosure of business "secrets" or confidential information is considered as gross indiscipline and liable for penalty.

**(I) Personal Data Privacy:**

Tenderer consents to other party to provide any personal data, if any and if necessary and also undertake to process personal data provided by the other party in a manner consistent with applicable laws, in particular with the provisions of the Digital Personal Data Protection Act, 2023 and rules made thereunder including the implementation and use of technical and organizational measures to ensure an appropriate level of their security.

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**(J) RELATIONSHIP:**

Each party understands that they are independent entities and this Agreement does not make it, its/ his employees, associates or agents, the legal representatives of the other party for any purpose whatsoever. Either party has express or implied right or authority to assume or to undertake any obligation in respect of and on behalf of or in the name of the other party or to bind the other party in any manner in respect of any transaction, except the present agreement.

**(K) WAIVER:**

The failure of either party to enforce at any time any of the provisions of this agreement shall not be considered to be a waiver of the right of such a party thereafter to enforce each and every provision.

**(L) ENTIRE AGREEMENT:**

This Agreement supersedes all oral and written representations and agreements between the parties, including, but not limited to any earlier agreement relating to the subject matter thereof and/or any other agreement between the parties in relation to the subject matter thereof.

**(M) AMENDMENT:**

The parties to this Agreement may add, delete, amend or alter all or any of the terms & conditions of this Agreement as mutually agreed from time to time and such modifications and changes shall not be effective until the same are in writing and duly signed by the authorized representatives of both the parties.

**(N) Declaration of Tenderers/ Contractors Relation with MAL Employee(s):**

Should a Tenderers/ Contractors have a relation or in the case of a firm, one or more of its partners a relation or relations employed in MAL or in case of company any of its official or relations employed in MAL, the authority inviting tenders shall be informed in writing of the fact at the time of submission of the tender. If so, the name, designation, department and Employee Number of such employees be indicated failing which MAL may in its sole discretion reject the tender or rescind the contract. If any ex- employee(s) of MAL is/ are employed, with the Tenderers/ Contractors, name, designation, department and employee number of such employee(s) be indicated and if any ex-employee(s) of MAL is/are employed after acceptance of tender, the said particulars shall also be intimated immediately in writing to MAL from time to time. If the Tenderer/ Supplier fails to inform the same, MAL shall at sole discretion may reject the tender.

**(O)** The Tenderer/ Contractor shall not be entitled to any claim including any cost, charges, TA/DA expenses or incidentals for the preparation and submission of this tender even if the Management may decide to withdraw the "NITT".

**(P) Dispute not to hold up works:**

The successful Tenderer(s) shall not stop the work in case of any dispute(s) unless further progress of work has been rendered impossible due to non-fulfillment of any reciprocal promise. Unilateral stoppage of work by the Tenderer shall be considered as a breach of contract and MAL reserves the right to take such action as it may deem fit keeping its interest as paramount.

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## ANNEXURE III

### Scope of Works & Contract Conditions for smooth operation:

Before submitting the rates in excel sheet, the bidders should be clear about the scope of works.

For any doubts, bidder should get it cleared from the job coordinator.

**MAL -K1 Unit – 1) Shri. Mahesh Kalghatgi (Tel.022-50684383, Mob. 9820636652)**  
Mail- [mahesh.kalghatgi@dfpcl.com](mailto:mahesh.kalghatgi@dfpcl.com)

**2) Shri .Atulkumar Khatri (Tel.022-50684376, Mob. 9820234697)**  
Mail- [atulkumar.khatri@dfpcl.com](mailto:atulkumar.khatri@dfpcl.com)

- The time allowed for carrying out the work as entered in tender / specified by Job Coordinator shall be strictly conserved by the contractor and shall be reckoned from the date on which the order to commence the work or completion of work is given to the contractor.
- If the progress of any portion of the work is unsatisfactory the MAL shall not be withstanding that the general progress of the work is satisfactory, the Contractor will have no claim for compensation, for any loss sustained by him owing to such action.
- The contractor or contractors will be responsible for the loss of their material as well as the material issued by MAL due to pilferage/theft. Hence, they shall have to ensure the security & safety of the material at their own expense.
- MAL shall have power to make any alterations in, or additions to the original specification drawings, designs and instructions that may appear to be necessary or advisable during the progress of the work and the Contractor shall be bound to carry out the work in accordance with any instructions in this connection.
- All quarry fees, royalties, octroi dues and ground rent for stacking materials, outside local issue if any will be settled/paid by the Contractor.
- Female coolies / workers / employees shall not work between 18.00 hrs. to 07.00 hrs.
- IF Any Quantity like to be increased the contractor must take Prior approval before job execution.
- Contractors should appoint a Main Engineer as In-charge of a minimum of 10-years' experience for each site.
- Under the main Civil In-charge, Contractor must deploy the civil engineers as per sites having minimum 5 years' experience of relevant work.
- The contractor must visit the site before he quotes the tender.
- All the QA/QP must maintain the contractor for all the items of execution at his own cost.
- Daily Progress report must be submitted by contractor to job coordinator.
- All the RCC work to be carried out as per IS 456-2000
- The contractor must make his own power distribution board system with required ELCB, MCB,50m Cable etc. (Refer. Electrical checklist is attached)
- The contractor must submit the Reconcilement statement.
- Quality Assurance & Quantity Verification through TPI Agencies
- Falsification or tampering of records, including safety certificates, attendance records, academic credentials, etc., will be considered as default and may invite penalty upon the Contractor.

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A separate excel sheet containing the service line items is given in each of the scope of works document in sealed envelope.

GST will be extra as applicable.

**Contractor's liability for all taxes as per Govt. Notification.**

The Contractor shall be liable to pay all the taxes payable as per the statutory requirements & made applicable from time to time by the concerned authority. MAL shall not be responsible for the same.

**PRICE BID FORMAT**

You will submit the quote considering with material (Material in your scope) and without material (Material provided by MAL) (Details are mentioned in details of Service code whether its required or not)

**Please note that this is only the unit rate chart.** The monthly bill will be approved for payment only on completed actual quantum of such listed services & supply as completed by the Contractor and certified by Job Co-Ordinator.

**The contract is on a Value basis. For every item unit is mentioned.**

**The approximate Tender Value per year will be Rs. 4.25 Crores.**

**Any increase in the quantity which exceeds the value of the order should be considered at the same listed unit rate agreed by the contractor. The finalized rate will be applicable throughout the contractual period & for similar works conducted by the contractor in the Plant premises of K1, K7 and K8 Plant.**

Similarly, **if by the end of the contract period the value in the said contract remains un-utilized then the validity of the said order will be extended. However, such a decision remains at the sole discretion of the MAL Management.**

The unit rates quoted by the suppliers shall remain firm till the completion of the contract period and during an extended period if any. No unit rate escalation on any other ground shall be allowed.

The quantity may be very +/- on either side during the tenure of the contract, The contractor/Tenderer will be paid as per the actual execution of the job which is to be certified by our job coordinator.

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## Maintenance and Plant specific Jobs

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2	ABBREVIATIONS AND DEFINITIONS
3	DETAILED SCOPE OF WORK
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6	DIVISION OF RESPONSIBILITY
7	SPCIFICATIONS, CODES AND STANDARDS
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**(1) INTRODUCTION:**

Execution of various types of works as per mentioned in subject described here under is an occasional service required at various plants at Taloja.

**(2) ABBREVIATIONS AND DEFINITIONS:**

**DFPCL:** Deepak Fertilisers & Petrochemicals Corporation Ltd.

**MAL:** Mahadhan Agritech Limited

**EIC:** Engineer - in - Charge as defined in the General Conditions of Contract.

**GCC:** General Conditions of Contract annexed as part of this contract documents.

**FIM:** Free Issue Materials - This refers to materials issued by the company free of cost to the Contractor/Tenderer for performance of work under the contract and as per the conditions of the contract.

**ISBL:** Inside Battery Limit - The areas designated at individual sites by the company as forming part of inside battery limit.

**OSBL:** Outside battery limit - The areas designated at individual sites by the company as forming part of outside battery limit.

**PPE:** This refers to Personal Protective Equipment and covers all necessary personnel protective equipment to be used by Contractor/Tenderer staff and workmen for executing the works under the contract.

**DOR:** Division of Responsibility - This refers to the division of responsibility for providing the items specifically mentioned under the heading DOR in this document. The DOR is only for providing the item and it is the Contractor/Tenderer's the responsibility to execute and operate safely the company provided items.

**UOM:** Unit of Measurement

**SOR:** Schedule Of Rates

**SOP:** Standard Operating Procedure in use at respective site

**S.H.E.:** Safety, Health & Environment Department

**TDS:** Tax deducted at source.

**PSV:** Pressure safety valve

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**(3) DETAILED SCOPE OF WORK:**

**3.1. A. General**

The scope of work includes collection of all raw materials and other FIM from designated locations including performing all handling, loading, unloading, intermediate storages, fabrication, erection, dismantling, hydrostatic / pneumatic testing, box up, providing assistance during commissioning, etc as per drawings, specifications and instructions of EIC, provision of qualified, experienced and trained manpower and supervision, provision of all PPE for all manpower, provision of all material in Contractor/Tenderer scope including tools and tackles, reconciliation of all company supplied FIM, preparation, maintenance, submission and obtaining EIC approval on all required and specified documents, reports, accounting for all company supplied materials, following all statutory requirements and completion of the job in all respects.

- B. Contractor/Tenderer shall arrange for transportation of its personnel within the site. If Contractor/Tenderer deploys vehicles for movement of its personnel, the vehicle shall meet the fitness requirements specified by the company and shall not be more than four years old.
- C. Contractor/Tenderer shall ensure that the site is always maintained clean. All material shall be stacked neatly, and useful and scrap material shall be segregated based on the type of material. Spillage of grease, lubrications, etc shall be avoided and if happens, the same shall be cleaned immediately as per approved procedures.
- D. Random sampling will do and needs to be tested at NABL accredited laboratory in presence of MAL engineer.
- E. For every bituminous item theoretical and actual consumption needs to be submitted MAL.
- F. Physical weighment to carried out for every vehicle (gross and net) at MAL weighbridge or conditional based at outside premises.
- G. Dye penetrant testing (DPT), including provision of all required testing consumables and equipment of approved make and specifications, performing all required surface preparations on the testing areas like grinding, buffing, etc, performing all coordination with designated inspectors of the company for witnessing the testing, preparation of all records of the testing and obtaining approval of the test reports

**3.2 Piping and structures - Fabrication, erection, alignment, supporting, testing, box up and all other associated works**

- 1. All piping and structural fabrication, erection, alignment, supporting, hydrostatic / pneumatic testing, box up and other associated activities shall be performed by the Contractor/Tenderer as per drawings, specifications, and instructions of the EIC.
- 2. Collection of all raw materials, consumables, and all other company supplied materials from designated storage locations, performing all handling activities including loading, unloading, intermediate storage, handling all surplus and scrap material, returning the same at designated locations including performing salvaging operations wherever required.

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3. Fabrication of radiography quality piping including edge preparation, cutting, beveling, matching material of different thicknesses, bending, drilling, threading, pre heating, post heating, welding of pipes, fittings, flanges and other attachments, supports, fabrication of specials like mitre bends, fabricated reducers, etc on all sizes, thicknesses and material grades including carbon steel, carbon steel to NACE specifications, LTCS, all grades of alloy steels, all grades of stainless steels, nickel and nickel alloys, all grades of Aluminum, Monel, Inconel and Inconel alloys, etc at designated fabrication yards, at field locations and at all elevations.
4. Fabrication of structures including straightening if required, cutting, edge preparation, rolling, bending, drilling, welding, preheating, post heating, supply and application of one coat of red-oxide primer of 25 microns DFT after necessary surface preparation on all types of structural sections, plates, pipe sections, etc of all thicknesses and material grades at designated fabrication yards, at field locations and all elevations.
5. Erection of fabricated structures and structural components at all elevations, performing all rigging activities including preparation of rigging plans, welding, bolting activities at field, aligning, torque tightening as per standards wherever specified, and completion of all activities.
6. Erection of all piping and piping components including valves, tagged items, inline equipment, performing all rigging activities including preparation of rigging plans, aligning, welding, fabrication and erection of all types of pipe supports including welded, bolted, spring supports, guides, anchor supports and adjustment of the supports during operating conditions.
7. Laying of underground piping systems, components on trenches, providing all assistance to cathodic protection works. If specific cases wherein civil works are excluded from Contractor/Tenderer's scope, Contractor/Tenderer shall provide all assistance and coordination for completion of civil works along with underground piping works.
8. Performing all operations associated with cardboard blasting of pipelines including cutting of gasket sheets, fixing, making all arrangements for the cardboard blasting, ensuring all safety compliances and completion of the job as per specifications and instructions of EIC.
9. Testing of all piping systems and components including pneumatic, hydrostatic tests, as per procedures and testing specifications, including performing all test preparations like provision of drains and vents, blinding and de-blinding activities, preparation of temporary hook-ups, arrangement of connections and filling of water, air or any other testing medium, making all arrangements for pressuring the system, monitoring and measuring the pressure attained, performing all required inspection of the joints and components for leakages and other failures, performing all de-pressuring operations, preparation and submission of all records.
10. Flushing of the piping systems before / after hydro static / pneumatic testing, drying by compressed air / nitrogen as directed, box up of the system, performing leak test, providing all manpower assistance during hot bolting, cold / hot settings of spring supports, attending of all punch lists and handing over of the system.
11. Dye penetrant testing (DPT), including provision of all required testing consumables and equipment of approved make and specifications, performing all required surface preparations on the testing areas like grinding, buffing, etc, performing all coordination with designated inspectors of the company for

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witnessing the testing, preparation of all records of the testing and obtaining approval of the test reports.

12. Preheating, post heating and post weld heat treatment (PWHT) operations including mobilizing the necessary equipment, consumables, measurement aids like thermo-chalks, etc. If the company appoints a separate agency for the heating / heat treatment works, the Contractor/Tenderer shall perform all necessary coordination with the separate agency for heat treatment works. Handling of the fabricated components if required during the heat treatment process shall be in the scope of the Contractor/Tenderer.
13. Radiographic inspection of weld joints including mobilization of radiographic sources, films, developers, equipment required for interpretation, etc. If the company appoints a separate agency for the radiography inspection works, the Contractor/Tenderer shall perform all necessary coordination with the separate agency for radiography inspection works. Handling of fabricated / erected components if required during the radiographic inspection process shall be in the scope of the Contractor/Tenderer.
14. Contractor/Tenderer shall deploy certified NDE technicians for NDE works like DPT / MPI / Radiography, etc.
15. It is mandatory to have at least one ASNT Level 2 certified person per site.
16. For jacketed pipe depending upon the material for inner and outer pipe rates will be applicable. The jacketed piping will be measured as internal piping plus the outside jacket piping. Welding will be counted on joint basis plus number of weld joints for the jump over provided for jacket. For erection of jacketed piping length of outer pipe and inner pipe shall be separately considered and rate of erecting of piping given in item rates in schedule of rate shall be applied for the purpose of payment calculation.
17. In case of non-availability of standard elbows, the Contractor/Tenderer may be asked to fabricate metered elbows from the pipe material supplied by MAL. The Contractor/Tenderer will be paid based on the actual number of weld joints to form metered elbows on the rate indicated in the rate contract.
18. For steam tracers ½ " NB pipe shall be used. Steam tracers for 4" NB pipe shall be 1 and for 6" pipe shall be 2. At end of tracers run these tracers will be drained by separate steam traps. The tracers attached to traced lines by means of 3 runs of 16 SWG soft annealed galvanized wire at 1500 mm spacing. Expansion loop having inner dia equal to 5" shall be provided for every 30 meters of traced length. Anchors shall be equally spaced on either side of the expansion loop. Bolted clamps shall be used as anchors. Fabrication of tracing lead and the tracer shall be paid on joint basis as per the rates in the item rates in the rate contract. Erection of the tracing lead and the tracer shall be paid as per the rate in item piping erection and hydraulic testing shall be paid as per the rates in the rate contract.

### **3.3. Works under Indian Boiler Regulations (IBR)-**

Piping and equipment works under IBR shall follow all provisions of the act. Contractor/Tenderer shall be fully familiar with the requirements of the act, shall perform all coordination activities for obtaining all approvals for executing work under IBR, shall deploy approved workmen for working on such jobs, shall maintain all records of material, drawings, work execution as required by IBR. Contractor/Tenderer shall follow instructions of designated company representative for these works and shall update the EIC and the designated company representative of all status of approvals and site visits of the IBR inspectors.

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**3.4. Erection of valves, in line equipment**

Collection of all types of valves and in-line equipment from designated storage locations, erection at all locations and elevations including performing all required welding, bolting, etc. All surplus valves shall be returned to designated locations.

**3.5. Dismantling of piping, structures, valves and other accessories**

Dismantling of erected piping, structures, valves and other accessories including performing all cutting (with gas, hack saw, grinding, or any other approved methods), grinding, performing all rigging activities including preparation of rigging plans, salvaging components from the dismantled material, segregation of material as per type and usability, returning the materials at designated locations such as stores, scrap yards, etc.

**3.6. Enabling works like surface preparation and primer painting**

Two coats of Primer to be applied to all CS fabricated pipelines/structures prior to erection. Performance of surface preparation and primer painting whenever instructed before or after fabrication including application of touch up primer.

**3.7. Spading, de-spading and replacement of gaskets of flange joints**

Spading, de-spading, replacement of gaskets on flange joints including opening of flanges, cleaning of flange faces, fixing of gaskets and box up of flange joints, performance of leak tests, etc. The scope includes flange joints of piping systems, heat exchanger flanges and equipment flanges including man ways, etc. Contractor/Tenderer shall make gaskets from gasket sheets whenever instructed as per required dimensions whenever ready made gaskets are not available. Contractor/Tenderer shall cut bolts to required lengths whenever instructed due to non-availability if required size bolts.

**3.8. Valves - Replacement of bonnet gaskets, gland packing, greasing, fabrication.**

1. Replacement of valve bonnet gaskets, gland packing including opening of the valve bonnets, removal of gaskets, cleaning the gasket seating surfaces, fixing of gaskets and performance of leak tests. The job shall be done at field at all locations and elevations and at other designated locations like workshop, etc.
2. Greasing of gear boxes, stem of valves at all locations and elevations.
3. Fabrication and fixing of valve keys at all elevations.

**3.9. Removal, cleaning and re-fixing of Y type / bucket type / conical strainers**

Removal, cleaning and re-fixing of all types of strainers at all locations and elevations, including performing all bolting, de-bolting activities, changing of gaskets, leak test, etc.

**3.10 Heating of bearings, shafts, etc**

Heating of bearings, shafts, etc as directed by EIC using oxy-fuel heating torches including supply of all consumables and equipment.

**3.11 Rigging, transportation of valves, motors, gas cylinders, etc**

Rigging and / or transportation including dismantling, loading, unloading, stacking and transportation of valves, any other piping, structural components, motors, gas cylinders, etc as directed by EIC

**3.12 Erection and dismantling of static and rotary equipment's.**

1. Erection of static and rotary equipment's of all weights at all locations and elevations including shifting from designated storage locations, performing all handling operations like loading, unloading, alignment including verification of alignment with equipment's like theodolite, laser assisted equipment's, etc,

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alignment of equipment with and without piping hook ups, preparation of foundations before erection like cleaning, verification of foundation dimensions vis-à-vis equipment and completing all works as per drawings, specifications and instructions of EIC.

2. Dismantling of all types of equipment at all locations and from all elevations including dismantling of all piping, instrument hook ups, removal of insulation wherever required, transportation of the removed equipment to designated storage locations including loading, unloading and all other handling activities.

### **3.13 Bagging plant Maintenance**

1.This includes, shifting of material from store to site, replacement of conveyor belts, chain, sprockets, gerabox, rollers, bucket elevator etc. shifting the scrap material to designated area.

### **3.14 MAL Scope of supply-**

MAL scope of supply is limited to the following.

1. Provision of required drawings and specifications.
2. Provision of all raw materials like structural steel sections, plates, pipes, fittings, flanges, gaskets, fasteners, all types of valves which are in company's scope.
3. Provision of welding consumables for all grades of alloy steel, nickel, Monel, Incoloy, Titanium, Haestealloy.
4. Provision of tools for torque tightening of bolts.
5. Provision of all gaskets, gland packing, grease, fasteners,
6. Provision of water, electricity, compressed air at one point in the site.
7. Provision of mobile material handling equipment like cranes, trailers, trucks, etc with operators.
8. Provision of open space for Contractor/Tenderer office and material storage.
9. Contracts for radiography and post weld heat treatment wherever these are not included in Contractor/Tenderer's scope.

### **(4) FREE ISSUE MATERIALS (FIM)-**

#### **4.1. The following items shall be issued as FIM for work under specific service codes as per SOR.**

1. Electrodes & Filler wires for all materials with the exception of carbon steel, LTCS,SS and Aluminium (as per SOR)as per NACE specifications.
2. All pipes, pipe fittings, flanges, valves, gaskets, fasteners and structural steel and plates.
3. All gaskets, gland packing, grease for valves.

**4.2 Free Issue Material Reconciliation:** The Contractor/Tenderer shall prepare a material consumption statement every month and obtain EIC's approval for the same. The approved consumption statement shall be submitted along with every running account bill. The Contractor/Tenderer shall also submit material reconciliation statements every quarter and shall obtain EIC's approval of the same. Material consumption and reconciliation statements shall be prepared in formats approved by EIC.

**4.3. Return of useful material:** Pipes of length more than 2.0 M for CS material, more than 3.0M for all non CS materials, structural steel of length more than 1.5 m and plates of size more than 1 sq. m shall be considered as useful material and shall be returned to designated storage areas against specific material codes as useful material. Material of dimensions less than those specified above, shall be returned as scrap on weight basis.

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**4.4** Contractor/Tenderer shall ensure that all FIM are handled with care during all times, is responsible for the safe upkeep of the items and shall return the same at company designated places on completion of the job or as and when instructed by the EIC. Contractor/Tenderer shall inspect the FIM on initial receipt from the company and bring to the notice of the EIC any discrepancy in quantity or quality of the materials received. Contractor/Tenderer shall periodically inspect the FIM in its procession and maintain necessary records of the same. Contractor/Tenderer shall always maintain an updated account of the use of FIM. Suitable recovery of the cost of the material shall be made for damaged or lost FIM.

**4.5** In the event of non-availability of consumable and other materials (under Company scope), the Contractor/Tenderer shall arrange to **procure** and supply the same on specific request made by EIC. The rate for the material supply shall be discussed with EIC and site contract cell and the Contractor/Tenderer shall obtain approval of rate from site contract cell of the company. On supply of the material, the Contractor/Tenderer is entitled to charge the approved rate of the same together with overhead and handling costs not exceeding 10% (Ten percent) of the approved material cost for all such supplies. The purchase shall be done from a GST /VAT registered party only. The claim should be supported by the original copy of cash memo with gate entry stamped as per instructions specified in GCC.

**(5) Scope of material supply by the Contractor/Tenderer include:**

**A**

1. All welding consumables including electrodes, filler wires for all carbon steel, SS, LTCS (as per SOR) piping and structural fabrication works. The electrodes should be purchased from reputed manufacturers like M/s Advani Oerlikon, D&H, ESSAB, L&T and approved by EIC.
2. All gases required for cutting, welding, heating and for all other activities. The gases shall confirm to the specifications and purity requirements as specified in the standards and procedures. The gases include oxygen, dissolved acetylene, argon, nitrogen, helium, etc.
3. All miscellaneous consumables like tungsten rods, purging and shielding arrangements, hoses for gases, etc.
4. All gases shall be supplied in cylinders meeting the safety requirements, fitted with flash back arrestors (both at cylinder outlet and at torch inlet), pressure gauges. The cylinders shall be handled in cylinder trolleys tied up with safety chains.
5. Provision of all welding machines, HF units wherever required, attachments for GTAW welding, regulators, grinding machines, drilling machines, gas cutting torches, gas heating torches, hydro test pumps (motorized and manual), hydraulic pipe bending machines, electrode baking and holding ovens, portable electrode holding ovens, etc and all other equipment required to complete the job as per drawings, specifications, and instructions of EIC.
6. All equipment and measuring instruments shall be calibrated and shall have valid calibration certificate throughout the usage period.
7. Provision of all accessories for all the equipment mobilized by the Contractor/Tenderer including all electrical cables (without joints), extension boards, plug tops, lugs, pressure gauges, valves, other measuring instruments, thermo chinks, etc.

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8. Provision of all tools and tackles including all required fitter tools, wire brushes (separate for CS, SS and other materials), chain pulley blocks, wire rope slings, chisels, files, manual punch (letters and numbers), etc
9. All material required for performance of dye penetrant tests, hardness inspection, including penetrants, developers, and samples, etc.
10. All equipment, accessories, consumables, insulation material required for pre heat, post heat, post weld heat treatment of the welds.
11. Qualified, experience and trained workmen and supervisors for performance of the entire job in Contractor/Tenderer scope including dedicated safety, quality supervisors and engineers.
12. Contractor/Tenderer shall ensure availability of minimum number of personnel as directed by EIC at all times at site. The Contractor/Tenderer shall also mobilize additional manpower to work and complete any emergency work as directed by EIC. All work executed by the Contractor/Tenderer shall be measured and become payable as per the terms and conditions of this contract and the schedule of rates which forms part of this contract. No additional compensation is payable to the Contractor/Tenderer for the performance of any work under this contract beyond those specified in the schedule of rates.
13. Provision of all PPE for its workmen and staff including safety goggles, helmets, safety shoes, hand gloves, welding helmets, safety body harness, etc. as per the safety standards specified and instructions of EIC.

**B. Testing requirements of Contractor/Tenderer supplied materials.**

1. The Contractor/Tenderer shall follow all site-specific instructions and procedures with regard testing requirements of Contractor/Tenderer supplied equipment, tools and tackles.
2. Qualified Contractor/Tenderer shall offer all electrical equipment's and hand tools, gas cuttings equipment's, all pressure gauges, regulators, all lifting tools and tackles, wire rope slings, D shackles, etc for inspection by designated persons of the company and shall obtain approval before usage.
3. Contractor shall obtain certificates as per factory act for all rigging tools and tackles and shall maintain validity of the certificates by offering for periodic inspection to authorized agencies and shall ensure that only those tools with valid certificates are used in the job.
4. Contractor/Tenderer shall at all times maintain records of all tools and tackles, equipment, measuring devices and gauges, including inspection and certification details, and make them available for inspection by EIC or any other authorized personnel.

**(6) DIVISION OF RESPONSIBILITY**

**6.1 Under Contractor/Tenderers scope -**

- a. Accommodation to workmen
- b. Accommodation to Contractor/Tenderer staff
- c. Vehicle for transportation of workmen
- d. Vehicle for transportation of Contractor/Tenderer material within site
- e. Vehicle for transportation of FIM within site
- f. Mobile lifting equipment for loading / unloading / shifting of Contractor/Tenderer material within site.
- g. Mobile lifting equipment for loading / unloading / shifting FIM material within site.

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- h. Contractor/Tenderer office
- i. Safety tapes
- j. Display boards
- k. Material lifting equipment like chain pulleys, etc.
- l. PPE for workmen and staff
- m. Welding Machine
- n. All welding accessories
- o. All cutting machines, accessories.
- p. All gases
- q. All welding consumables for CS, LTCS, NACE specifications

**6.2 Under MAL Scope**

- 1.Space for Contractor/Tenderer office inside MAL premises subject to availability.
- 2.Erection equipment’s like cranes, faranha, bobcat, forklift etc for erection / dismantling activities at field
- 3.Telephone facility on chargeable basis (if available)
4. Issue of all FIM.Space for Contractor/Tenderer office inside MAL premises subject to availability.

**6.3 As per SOR – Schedule of Rates**

- a. Scaffolding pipes
- b. Scaffolding clamps
- c. Scaffolding jallies, planks, toe guards, ladders, etc
- d. Electrodes, filler wires for alloy steel
- e. Electrodes, filler wires for all SS and special metals

**7. SPECIFICATIONS, CODES AND STANDARDS**

The following is a listing of general specification to which the work under this contract shall comply. However site and job specific specifications, drawings and instructions of EIC shall supersede these specifications when issued and advised by EIC.

ASME section II, part A	Ferrous Materials Specifications
ASME section II, part C	Specifications for welding rods, electrodes, and filler metals
ASME section V	Non-Destructive
Examination ASME section IX	Welding and Brazing
Qualifications ASME B 31.1	Power Piping
ASME B 31.3	Process Piping
API 5L	Specification for line pipe
IS 2062	Hot Rolled Low, Medium and High Tensile Structural Steel
IS 1239	Steel Tubes, Tubulars and Other Wrought Steel Fittings
IS 3589	Steel Pipes for Water and Sewage

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**(8) EXECUTION PROCEDURE**

**8.1 General**

The procedure mentioned herewith is to be read in conjunction with the drawings, specifications and standards mentioned elsewhere in the document. The execution procedure mentioned here is not exhaustive and the Contractor/Tenderer shall prepare a method statement of the work execution and shall submit the same to EIC for approval. Contractor/Tenderer shall follow the Standard Operating Procedures wherever applicable and instructed by EIC. All work shall be executed as per approved procedures only.

Contractor/Tenderer shall contact the EIC for detailed work instructions for all work categories and execute all work accordingly. Permit to work procedures shall be always followed.

Contractor/Tenderer shall prepare AS BUILT drawings for all fabrication and erection works. These drawings shall be "marked up drawings" - changes marked on the drawings issued by MAL for work execution.

Contractor/Tenderer shall prepare all quality records for all its work; obtain approvals from designated inspection authorities from MAL. All work certifications shall be based on inspection cleared works only.

Contractor/Tenderer shall make itself fully conversant with the locations and the type of job to be carried out therein so that the scope of work is clearly understood and shall assess the requirement of resources required to complete the work in scheduled time. Contractor/Tenderer shall contact the respective Engineer-in-charge for this purpose.

The Contractor/Tenderer shall prepare and submit to the EIC a schedule based on the work targets advised by EIC. Contractor/Tenderer shall mobilise resources and shall meet the targets advised by EIC. The Contractor/Tenderer shall submit progress reports at specified intervals and shall be responsible to ensure achievement of work targets.

All welding work shall be executed by qualified and certified welders only. Contractor/Tenderer shall apply for welder qualification witness by authorized MAL personnel. Welders shall be deployed only for the processes they have been qualified. Contractor/Tenderer shall maintain welder performance records in the formats specified in the codes and as provided by the EIC. All welding shall conform to the standards and site-specific specifications.

All welding consumables and gases in the scope of supply of Contractor/Tenderer shall be of approved manufacturer only. Contractor/Tenderer shall apply for EIC's approval of manufacturer if its proposed manufacturer is not already approved by MAL. Contractor/Tenderer shall ensure storage of all consumables as per manufacturers' recommendations and instructions of EIC. Contractor/Tenderer shall ensure wherever specified, baking and holding temperatures of consumables, preheating, post heating of the work, maintenance of inter pass heating / quenching, etc. All equipment's deployed for heating the work and ovens for baking / holding the consumables shall have calibrated gauges.

All gases used for fabrication shall meet the purity requirements. Contractor/Tenderer shall submit manufacturer certificates for all gases and consumables supplied.

Contractor/Tenderer shall ensure all grinding wheels used are within validity period and are not after expiry dates. All date expired grinding wheels shall be immediately removed from the site.

Contractor/Tenderer shall ensure that lifting tools and tackles including wire rope slings, D Shackles, etc are tested and carry the certification stamp. All tools and tackles that have failed the tests shall be removed immediately from

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the site. Contractor/Tenderer shall maintain a list of lifting tools and tackles, their certification details and shall have a system for revalidation of the same before the expiry of the certification validity period.

Contractor/Tenderer shall perform all co-ordination works with other Contractor/Tenderers whenever instructed by EIC if there are interfacing requirements between one or more Contractor/Tenderers / agencies during execution of job under this contract. (Examples: Coordination requirement with Contractor/Tenderers performing Scaffolding, NDE, PWHT, Civil works for underground piping, blasting and painting, hydro jetting, etc. works).

#### **Maintenance Activities –**

##### **A. Flange Joint jobs -**

1. Opening all type of flanged joints by de-bolting or cold/Hot, gas cutting of fasteners wherever required, cleaning of flange faces, cleaning and lubrication of fasteners, fixing of gasket and boxing up of flange joint in steam, process, water lines and gland packing.
2. To carry out hot loosening for easy opening and hot bolting during/after starting up wherever required.

##### **B. Burner gun, Filters, Strainers, Soot blowers, Steam Traps, Demister Pads, Oil tanks jobs-**

1. Removal of all auxiliary connections to burner, dropping complete assembly of the burner and cleaning for preliminary inspection, provisioning of air registers and testing of free movement of the system and finally boxing up the complete assembly and its auxiliary connections with proper alignment at all elevations.
2. Flushing, draining, cleaning and filling up of small hydraulic oil tanks of rotary equipment.
3. To remove and clean all type of filters and strainers.
4. Cleaning of all type of steam traps for proper functioning.
5. Greasing up of all type of Ladders of Floating roof Tank.
6. Dropping, cleaning by means of compressed air or water jet and re-fixing the de-mister pads after inspection.
7. Cleaning and lubrication of fasteners is to be done before box-up.
8. To carryout hot loosening, hot bolting during/after start up wherever required.

##### **C. Heat Exchange Jobs**

Thorough cleaning of heat exchangers, condensers, coolers and other plant equipment irrespective of their locations / elevations within the Complex, using wire brush, water, steam, compressed air and other related manual cleaning operation/s as per the instruction of Engineer-in-charge.

##### **The job includes following :**

1. Blinding, de-blinding, wedge opening of connected lines/equipment flange joints and making necessary connections/dis-connections of air, water and hoses for flushing and isolation.
2. Flushing, opening, dropping, cleaning, and boxing up of channel cover, channel section, floating head cover etc.
3. Pulling out tube bundle from shell, physical /manual cleaning of shell internally and tube bundle internally as well as externally by rodding /wire brush.
4. Insertion of tube bundle into shell, fixing back the channel section, fixing test ring and carrying out hydro test as per prescribe pressure. (In case of re-boilers test shall be carried out in dummy shell).
5. Rolling and plugging of leaky tubes, if required. Removal and dropping of test ring, fixing back the floating head cover and channel carrying out tube test/ floating head test at prescribed pressure.
6. Partial replacement of the leaky tubes by cutting the tubes at both end, pulling out the tube, removing left out portion of the tube from the hole by grinding/ drilling, cleaning the holes by reaming, insertion of new tube, rolling tube at both the ends and seal welding if specified.
7. Partial replacement of the leaky tubes by cutting the tubes at both end, pulling out the tube, removing left out portion of the tube from the hole by grinding/ drilling, cleaning the holes by reaming, insertion of new tube, rolling tube at both the ends and seal welding if specified.

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8. Finally boxing up of shell cover and carrying out shell side hydro-test at prescribed pressure.
9. Replacement of gaskets of all flanged joints ( including channel cover, floating head cover, shell cover etc.) before box-up which were opened for maintenance.
10. To carryout hot loosening, hot bolting during/after start up wherever required.
11. Transportation of spare tube bundle, in case of replacement, from the place of storage to place of work
12. Other related jobs like cleaning and lubrication of studs and nuts in connection with the heat exchanger.
13. Supply of required sizes of wire brushes, extension rods and other cleaning consumables.

#### **D. Rigging Jobs**

1. To carry out dismantling/erection of equipment as & when required as per the instructions of the Engineer-in-charge
2. To submit the detailed rigging studies for approval for all vertical equipment, any equipment 10 tones or over, and any equipment to be located at an elevation of 5.0 meters or over.
3. Elevation and location of the surface shall be perfect onto which any equipment is to be located, the bolts in plinths and bolt holes in structural steel shall be correctly located.
4. When using hoisting systems, ensure that they have adequate capacity and safety factor that they are in a perfect state of conservation and that they comply with various safety regulations.
5. To ensure that any lifting slings and mechanical handling devices, only apply loading to the equipment at points where it has been designed to accept such loads. To use slings, which will minimise damage to paint work, such as nylon band or strop slings. All lifting equipment shall have up-to-date test certificate for their specified load capacity.
6. To ensure that no damage occurs to equipment or parts thereof, including flange facing or other property on site during rigging. If any damage is caused then the Contractor/Tenderer shall repair such damage or replace damaged equipment after receipt of Eng.-In-Charges approval/ instruction in writing.
7. Clean threads of anchor bolts and coat with graphite.
8. To take utmost care in handling equipment with a non-metallic liner.
9. To take oxygen test on the atmosphere in any equipment before entry
10. To obtain approval from Engineer-In-Charge prior to operating, rotating, or opening equipment.

#### **Detailed Requirements: In addition to general requirement following requirements shall consider:**

- a) Vessels, Drums, Columns and Tanks: During lowering and lifting it to ensure that the equipment is supported in a stable manner with the provisions of necessary guys, stays or props. Vertical vessels, columns and Stacks, shall be erected so that their vertical centerline is within 1mm of true vertical per 1000mm of height, up to a maximum of 20mm deviation. Horizontal vessels and drums shall be erected so that their horizontal centerline shall not be more than +/- 3 mm from true horizontal from end to end of the vessel.
- b) Heat Exchangers: To ensure that slide plates are located and lubricated to allow expansion of the equipment in the designed direction. To ensure that the tube bundles are fixed as per specification.
- c) Opening & Box Up Of Static Equipment / Vessel Man ways And Pipe Line Flanges-
  - 1) To open & box up the static equipment, vessel man ways and pipe line flanges as per instructions of engineer-in-charge.
  - 2) To carryout hot loosening, hot bolting during/after start up wherever required.

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- d) Opening And Re-Fixing of All Type Of Valves, Instruments from Pipe Line / Equipment at any Elevation Including Both Ways Transportation between Plant And Work Shop-
- 1) Opening of all flange joints of all type of valves and instruments by de-bolting, cutting of fasteners whenever required, cleaning of flange facing and erection of valves in position and in correct direction and providing gasket, irrespective of material of construction from pipe line, equipment at any elevation including both ways transportation between plant and work shop as per instructions of engineer-in-charge.
  - 2) To carry out hot loosening, hot bolting during/after start up wherever required.
- e) Opening, Cleaning, Re-Fixing And Replacement, If required of Gauge Glasses From Equipment at Any elevation including both ways Transportation between Plant & W/Shop.
1. To open, clean, re-fix and replace ( including replacement of gasket ) level gauge glass irrespective of material of construction , fixed on equipment at any elevation including bringing down to grade level if required and taking back to position and both ways transportation between plant and work shop as per instructions of Engineer-in-charge.
  2. To carry out hot loosening, hot bolting during/after start up wherever required.
- f) Spading & De-Spading of Equipment and Pipe lines and card Board blasting.
1. Opening , wedge opening of flange joints of all type of valves, piping, orifice etc. by de-bolting, cold or gas cutting of fasteners, whenever required, cleaning of flange facing , cleaning and lubrication of fasteners, providing blind along with the gasket and boxing up of the flange. After completion of job, same procedure is to be followed for removing the blind and boxing up the joint with new gasket as per instructions of the engineer-in-charge.
  2. Opening of flange joints of piping by de-bolting, cold or gas cutting of fasteners, whenever required, dropping of spool piece if required, providing cardboard for cleaning the pipelines through cardboard blasting. Removing cardboard after blasting, cleaning of flange facing, cleaning and lubrication of fasteners and box up of the flange/spool piece as per instructions of engineer-in-charge.
  3. To carryout hot loosening, hot bolting during/after start up wherever required.
  4. As a guideline, gasket sheet of 3mm thickness is to be used for blasting line sizes up to 4 and 2 sheets of 3 mm gasket are to be used for line size of 6 and more but in no case, line pressure should increase more than 2.5 bar g.

**(9) SAFETY**

- a. The Contractor/Tenderer shall follow safety rules & regulations, safety procedures as per the safety standards and comply with the safety requirements.
- b. The Contractor/Tenderer shall deploy at site a full-time safety in-charge and full-time safety officers with requisite qualification, experience and training. The safety in-charge shall be a senior person.
- c. The Contractor/Tenderer shall submit an organization chart of its department to the EIC and shall obtain EIC' approval. The Contractor/Tenderer shall mobilize and always ensure availability of personnel as per approved site safety organization during execution of work under this contract.

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- d. The Contractor/Tenderer is required to deploy persons for specific jobs who are trained and skilled in particular trade and well familiar with hazards and safety precautions.
- e. The site staff and workers of the Contractor/Tenderers are required to undergo safety orientation before they are assigned work at site. No person shall be allowed at work site without safety orientation. Contractor/Tenderer shall make hazard identification and risk assessment of job and accordingly will be using skilled manpower with appropriate safe job procedure and personnel protective equipment's. Job supervision is compulsory.
- f. The Contractor/Tenderer shall plan and execute work in such a way to avoid accidents / injuries to its-own staff and workers, other workers, company employees, damage to company property and damage to environment.
- g. Adequate resources must be made available by the Contractor/Tenderer for safe execution of work at site. Short cut methods or make-shift arrangement will not be allowed.
- h. The Contractor/Tenderer shall ensure that any time during the performance of the work his personnel are fit to execute the tasks assigned and are not under the influence of any alcoholic liquor, drug or other intoxicating substances.
- i. The Contractor/Tenderer shall make himself and all staff/workers familiar with emergency procedure and response action to respond rightly in the event of any emergency due to fire/gas leak, etc. in the operating plants at site.
- j. Contractor/Tenderer shall ensure that all its staff and workmen are aware of the site-specific safety guidelines wherever applicable and shall ensure that the same is followed.
- k. It is the responsibility of the Contractor/Tenderer to ensure good housekeeping at work site. The scrap debris, unwanted material etc. shall be removed frequently from the workplace to avoid accident and work area shall be kept tidy. Gangways shall be kept clear of obstructions. Contractor/Tenderer shall deploy dedicated personnel for housekeeping.

**Personal Protective Equipment (PPE )**

The Contractor/Tenderer shall provide personal protective equipment as specified to its staff and workmen such as, safety helmets, safety shoes, safety goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum boots etc. and other work equipment as required for safe execution of work at his cost. Special PPEs/ safety appliances, if required for any job as mentioned below job may be provided by the company on chargeable / returnable basis (cost of repair or damage as a result of mishandling will be charged from the Contractor/Tenderer). All the safety equipment's should meet the specifications prescribed/approved by S.H.E. department of the respective sites.

**9.1 Activity/Hazard and Recommended PPE**

- 1) Nontoxic dust nuisance---Dust mask, Panoramic goggles, Hand gloves PVC/ Rubber
- 2) Toxic & Corrosive liquids/gases --Face shield, PVC Apron, PVC suit with hood, Positive Pressure suit , Panoramic Goggles, Gum Boots, SCBA sets, Airline mask set, Cartridge type Mask,
- 3) Working at height --Full body Safety Harness / Belt with two lifelines, Canvas hand gloves, Leather Palm canvas hand gloves,

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- 4) Material Handling --Leather hand gloves, Aluminized hand gloves, Aluminized suit with hood, Asbestos/Leather apron, Spectacle type toughened glass,
- 5) Grinding/Chipping --Goggles, Panoramic goggles

## 9.2 Responsibility of provision of PPE

### Under Contractor/Tenderer Scope.

Dust mask, Safety helmets, Boiler suit, safety shoes , Panoramic goggles , Hand gloves PVC/ Rubber , Face shield, PVC Apron, Panoramic Goggles, Gum Boots, Full body Safety Harness / Belt with two lifelines, Canvas hand gloves, Leather Palm canvas hand gloves, Leather hand gloves, Asbestos/Leather apron, Spectacle type toughened glass.

### 2 Under MAL Scope on returnable basis-

PVC suit with hood,  
Positive Pressure suit, SCBA sets,  
Airline mask set, Cartridge type Mask, Aluminized hand gloves, Aluminized suit with hood,  
In case returnable PPEs are not received back/received in damage condition beyond normal wear & tear, cost of PPE shall be deducted from the bills of Contractor/Tenderer concerned.

## 9.3 Specifications for Contractor/Tenderer provided PPE.

The personal protective equipment shall be of standard make and preferably should have ISI mark or other certificate of approval from recognized institution/organization and ensure that are maintained in good condition and worn by workers as per the requirement.

Safety Helmet: Moulded out of high impact, heat & chemical resistant HDPE with brim for additional side protection with 6-point ergonomic adjustable head band & chin strap and approved as per BIS specification no. IS: 2925-1984

Safety Goggles: Toughened/ Polycarbonate scratch resistant lens with side shield, optically correct zero power, impact resistant and approved as per BIS specification no. IS: 7524 Part-I.

Safety Harness with double lifeline: Waist belt with shoulder strap, 6mm thick coated friction buckle& joint less D-ring, 44 mm wide nylon webbing, padded back, nylon stitched along with copper rivets for additional safety," quick fit" spring loaded hook and approved as per BIS specification no. IS: 3521.

Safety Shoes: High ankle shoes, made from fine quality plain black leather, padded collar, D-rings, full below attached tongue, with steel toe cap as per IS 5852 with direct injection PVC Nitrile heel sole resistant to acid, alkali, oil.

## 9.4 Guidelines for Personal Protective Equipment

Safety Harness / Belt: Full body safety harness / safety belts with two lifelines shall be provided for all jobs at heights. No persons will work at height without fall arrest device / safety belt with two lifelines except where standard scaffolds/work platforms are erected with proper handrails/ toe guards for fall protection.

Safety Goggles: Appropriate eye protection shall be used by the persons according to nature of hazard. The Contractor/Tenderer has to ensure that safety goggles/face shields are provided to workers.

Ear Plugs: Persons engaged in jobs near high level of noise (85 db or more) shall be provided with ear plugs / earmuffs.

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Hand Gloves: All workmen / supervisors shall be provided with and use work gloves (cotton hand gloves) to avoid minor hand injuries. Other types of hand gloves specific to hazards will be used by workmen / supervisors.

Scaffolding: The Contractor/Tenderer is required to use standard scaffolding and temporary work platforms for jobs at elevations 2 meter or more. Unsafe work methods shall not be allowed. All temporary work platforms shall have guard rails/toe guards with proper means for access.

Electrical Equipment: All the electrical equipment shall be in good working condition. The electrical circuits shall be used with ELCB. Electrical circuits/ extensions boards used for hand tools shall have ELCB of 30 mA rating. Power supply cables with joints shall not be used at site.

Safety Guards: All moving parts like fly wheels, toothed gears, belt drives shall be provided with proper guards. No equipment/ machine with exposed moving parts shall be used at site.

Lifting Equipment: All lifting equipment, chain blocks, tools, tackles, cranes, etc shall have valid certification from a competent authority and shall be maintained in good working condition.

Fire Extinguishers: Contractor/Tenderer shall make adequate provision and provide fire extinguishers at certain locations e.g. stores containing combustible materials, solvents, paints, fuel storage, gas cylinder storage etc.

Gas Cylinders: Gas cylinders trolleys shall be used for safe handling gas cylinders at site. The Contractor/Tenderer must have adequate trolleys to handle gas cylinders.

#### **(10) WORKINGHOURS**

Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excluding lunch time. However, based on the job requirement during the planned /unplanned shutdown/ emergencies or as per plant requirement and instructions of EIC, Contractor/ Tenderer shall work beyond normal working hours also. No separate / additional compensation shall be payable for the same. (In such cases the Contractor/Tenderer must work as and when required without any percentage increase on SOR.)

#### **(11) MOBILIZATION**

Contractor/ Tenderer shall arrange for necessary materials, workmen and supervision to start the work within 48 hours of instruction from EIC. In case of emergency or shutdown, Contractor/Tenderer shall mobilize all required resources and start the work within 24 hours of instruction of EIC.

To & fro transportation of the equipment shall be arranged by Contractor/Tenderer. However mobile crane/tractor, EOT/ HOT facilities, if required for loading /unloading supply of slings and movement of the machine at site shall be provided by Company, free of charge. However actual activities of loading / unloading, internal shifting of machines shall have to be done by Contractor/Tenderer's manpower.

Contractor/Tenderer shall complete all formalities for its staff & workmen with company's P&A / IR/Contract Cell as required for gate pass and mobilize the manpower as per the requirement of EIC.

Contractor/Tenderer shall interact with S.H.E. department of company for scheduling training program for its total untrained personnel prior to entering complex.

Contractor/Tenderer shall initiate gate pass request to EIC, get it counter signed by P&A/IR/Contract Cell and then submit to security in advance as required to mobilize manpower.

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## **(12) JOB COMPLETION TIME**

For individual works from time to time as and when need arises, separate intimations shall be issued from individual plants/ EIC. Contractor/Tenderer shall ensure mobilization of all required resources and completion of the job including dismantling, etc. as per EIC instructions.

## **(13) MODE OF MEASUREMENT**

Mode of Measurement will be guided by & as per instructions given by our EIC / Job Coordinator Measurement need be carried out in presence of EIC. Once Measurement has completed & Contractor/ Tenderer have to get acknowledgement on measurement sheet from EIC/ Job Coordinator. Same Sheet needs to be attached / present at the time of bill submission & Payment.

### **13.1 Piping fabrication**

- 1.All piping fabrication shall of radiography quality and measured and paid in inch diameters (IND). The measurement shall be segregated material wise, thickness wise and welding process wise.
- 2.The pipe fabrication rate includes cutting, bevelling ,edge preparation and fabrication at all locations and elevations. No separate payment for cutting and bevelling shall be payable for piping fabrication jobs.
- 3.Inch diameters is measured as below: Nominal size of the pipe/ fitting/flange in inch multiplied by number of joints.
- 4.Mitre bends shall be measured in IND. (nominal pipe size in inch multiplied by number of joints) No additional factors shall be used in calculating the inch diameters.
- 5.Fabricated reducers shall be measured in actual linear welding quantities.
- 6.Branch connections without tee fitting and without reinforcement pads, trunnion supports shall be measured as 1.5 times the inch dia based on branch size in inch.
- 7.Branch connections without using tee fitting and with reinforcement pads shall be measured as 3.5 times the inch dia based on branch size in inch.
- 8.Full encirclement pads shall be measured as 2 times inch dia of the header size.
- 9.Drilling and tapping of holes and pressure testing of RF pad is included in the rate for RF pad as above
- 10.All pipe support fabrication shall be measured in MT irrespective of the nature of structural sections.
- 11.Certification of all welding activities shall be done only on completion of welding inspection clearance and acceptance. (Visual inspection / NDT).
- 12.Root DP test is mandatory for all weld joints. For joints completed without offer and acceptance of root DP, radiography or other NDT test may be taken at the discretion of EIC / Inspection engineer. Costs associated with such radiography / NDT test shall be payable by the Contractor/Tenderer. Repairs if detected during such radiography / NDT tests shall be rectified by the Contractor/Tenderer at no additional cost.

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### 13.2 Piping erection

- 1.All piping erection shall be measured in inch dia meters (INM) irrespective of size, schedule and material of construction of the pipe, fittings, flanges, valves and in line items. Inch dia meter is measured as below:
- 2.Nominal size of the pipe in Inch multiplied by the length of the pipe in M. Length of the pipe is measured as the linear measurement along the centerline of the erected piping system. No deductions are made for fittings, flanges, valves and all other in-line equipment erected as part of the piping system.
- 3.All bolted flange connections in piping system are covered in the rate on inch m basis for piping erection. No flange joint shall be payable separately.
- 4.The scope of erection includes erection of the piping system, alignment, supporting, testing, flushing, box up and assistance during hot bolting and torque tightening.

### 13.3 Pipe supports.

- 1.All fabricated pipe supports shall be payable against fabrication & erection under separate line items.
- 2.Wherever supports are supplied as FIM, only erection is payable under support erection pay item.
- 3.Fixing of U Clamps if supplied as FIM shall be part of the of the erection scope and no separate measurement / payment shall be made.
- 4.U clamps if supplied by the Contractor/Tenderer shall be payable under a separate line item under "supply of U clamps". No separate payment shall be made for erection of U clamps.

### 13.4 Tie-in Joints

Tie in joints shall be measured and payable separately on number of joints basis for the size ranges. Tie-in joints are defined as those joints wherein at least one of the pipes being joined is under operating conditions. At every "Tie-in" point, only one joint shall be certified as "Tie-in" joint. Additional joints in the pipeline including tapping, drain / vents/ etc shall not be certified as "Tie-in" joints.

### 13.5 Valve erection / dismantling:

- 1.Flanged valves: Valves erection and dismantling shall be measured in Inch Dia Size (IDS) categorized based on valve type, size and rating. IDS are defined as the size of the valve based on nominal bore (NB). For sizes upto 1.5 Inch , the same shall be measured as Each (EA) as mentioned in the SOR.
- 2.Welded valves: Welded valves shall not be measured separately. The weld joints of the valve shall be measured as part of the inch dia certification for fabrication.
- 3.No deduction shall be made for the length of valves while computing the length of the piping system for erection / dismantling inch m quantities.

### 13.6 Dismantling of piping:

- 1.Dismantling of piping shall be paid in Inch M irrespective of pipe line size, material of construction, thickness, elevation, etc.
- 2.Valves shall be measured separately as above.

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3.All cutting shall be paid separately as per rates for cutting.

4.Opening of flange joints shall not be payable separately. This activity is included in the rate for dismantling on Inch M basis.

5.Dismantling rate includes activities of transporting dismantled piping system, segregation, returning to storage locations and stacking.

### **13.7 Fabrication and erection of structures**

1.Structural steel fabrication and erection is measured in MT basis only for all categories of structures.

2.Weight of fabricated structures is taken as the quantity for certification.

3.No deduction is to be made for the drilled holes in the structures.

4.Weight of fasteners is not to be calculated for erection weight.

5.Top of Structure (TOS) is taken as the base for deciding elevation of structure for the purposes of billing.

6.Payment on length of weld shall not be used for regular structural fabrication works.

7.Measurement of the Handrail shall be in Meter and measurement to be taken only of Top pipe length of handrail. Measurement of Bottom pipe/vertical pipe and Toe guards not to be included (Rates are negotiated & finalised accordingly)

### **13.8 Maintenance / Heat exchanger jobs**

1. All maintenance and heat exchanger related jobs shall be measured as per the terms mentioned in the SOR.

## **TERMS AND CONDITIONS FOR ANNUAL RATE CONTRACT FOR EXCHANGER JOBS IN MALS PLANTS LOCATED IN TALOJA**

**1. INTRODUCTION:** Scope of this Annual rate contract will cover all exchangers in MAL plant. The work scope includes overhauling of all exchangers including necessary and required accessories, tools and tackles, all required manpower and supervision as per drawings, specifications, specified safety standards and instructions of Engineer in Charge. Please refer **ANNEXURE 1** of general terms and conditions of contract. Detailed scope of work is as follows.

### **2. JOB COMPLETION TIME:**

The total contract duration is as specified in the contract. However for individual works from time to time as and when need arises, separate intimations shall be issued from individual plants/Engineer Incharge. Contractor/Tenderer shall ensure mobilization of all required resources and completion of the job including dismantling, etc. as per EIC instructions. Job completion means including removal of waste material and house keeping of work spot without which job completion certification shall not be issued.

### **3. WORKING HOURS:**

Normal working time shall be same as the general shift timing i.e. from 09:00 to 17:30 hours. This will be 8 working hours excluding lunch time. However based on the job requirement and instructions of EIC, Contractor/Tenderer shall work beyond normal working hours also. No separate / additional compensation shall be payable for the same.

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#### **4. MOBILIZATION:**

Contractor/Tenderer shall arrange for necessary materials, workmen and supervision to start the work within 4 hours of instruction from EIC. In case of emergency or shutdown, Contractor/Tenderer shall mobilize all required resources and start the work within 2 hours of instruction of EIC.

Contractor/Tenderer shall complete all formalities for its staff & workmen with company's Security Dept. as required for gate pass and mobilize the manpower as per the requirement of EIC. Contractor/Tenderer shall interact with Safety department of company for scheduling training program for its total untrained personnel prior to entering into complex.

Contractor/Tenderer shall initiate gate pass request to EIC, then submit to security in advance as required to mobilize manpower.

#### **5. DETAILED SCOPE OF WORK:**

##### **Area of allocation: All MAL plants located in TALOJA**

The job includes provision of all required tools & tackles, lifting arrangements like chain pulley blocks, all consumables and qualified, experienced and trained supervision and labour, mobilizing and demobilizing necessary and required accessories, tools and tackles from Contractor/Tenderer's storage locations, handling at intermediate storage locations at site if any, and completing the job as per standards, specifications and instructions of the EIC.

#### **6. CONTRACTOR/TENDERER SUPPLIED MATERIALS:**

The following materials shall be supplied by the Contractor/Tenderer

All accessories for exchanger overhauling.

All tools and tackles required for the performance of the services.

All equipment and accessories required for material handling / shifting / storing.

All PPE required for the Contractor/Tenderer workmen and staff like dust masks, safety body harness, safety belt, ladder, safety shoes, helmet, hand gloves, safety goggles, any other PPE, rain gears, overalls, etc.

#### **7. DIVISION OF RESPONSIBILITY:**

##### **7.1 Under Contractor/Tenderers scope -**

- a. Accommodation to workmen
- b. Accommodation to Contractor/Tenderer staff
- c. Vehicle for transportation of workmen
- d. Vehicle for transportation of Contractor/Tenderer material within site
- e. Vehicle for transportation of FIM within site
- f. Mobile lifting equipment for loading / unloading / shifting of Contractor/Tenderer material within site
- g. Contractor/Tenderer office
- h. Telephone facility on chargeable basis
- i. Safety tapes
- j. Display boards
- k. Material lifting equipment like chain pulleys, etc
- l. PPE for workmen and staff.

##### **7.2 Under MAL Scope -**

- a. Space for Contractor/Tenderer office inside company premises subject to availability.

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## 8. SAFETY REQUIREMENTS:

Please refer ANNEXURE II for detailed safety requirements. Contractor/Tenderer also to comply with the safety requirements listed in the MAL construction safety manual.

## 9. EXECUTION PROCEDURE:

### 9.1 GENERAL PROCEDURE

1. Opening of end covers, cone, channel heads & dome cover and preserving the nuts, bolts, studs etc. properly. Cleaning of nut&bolts is in Contractor/Tenderers scope. Cleaning agent/solvent required for cleaning will be provided by MAL.

2. Boxing up of end covers, cone, channel heads & dome cover (including gasket cutting, studs cleaning, leak testing if required).

2.1 Cleaning mating faces of flanges thoroughly and box up the joint/heat exchangers with new gasket to make the joints leak tight.

2.2 Hot-bolting of the exchanger wherever required by Engineer-In-Charge.

3. Opening flange joints of piping & equipment's.

3.1 This also includes de-blinding (both tail & end blind), isolation of the equipment/line by proper blinding.

3.2 All level gauges/level trolls/stand pipes/thermo wells connected to equipment are to be dechoked, cleaned without any additional charge.

4. Boxing up flange joints of piping & equipments. This also includes blinding (both tail & end blind).

5. Dropping/Lowering of end covers, cone, channel heads, dome cover & pipe to ground/working floor.

6. Lifting of end covers, cone, channel heads, dome cover & pipe to original position from ground level/working floor.

7. Tube bundle pull out using tools and tackles of Contractor/Tenderer. Crane/ hydra required for the job will be provided by MAL. While opening the floating head tubes bundle, proper marking must be done on each part so as to avoid any damage to tube sheet and bundle while boxing up.

8. Air drying of tubes when cleaning is done by other agency or only air drying of tubes is to be done by Contractor/Tenderer.

9. Water flushing of tubes when rodding/scrapping/hydrojetting is not required.

10. Lifting & shifting of equipment within battery limits.

10.1 Shifting of equipments out side the plant battery limit to anywhere in the complex.

11. Hose connections for steam, air, water, nitrogen etc. for purging, draining the systems as per the instructions of the Engineer-In-Charge and remove the same when instructed.

12. Normally standard cut gaskets will be supplied by MAL, however if required the Contractor/Tenderer shall cut the gaskets from gasket sheet, free of cost.

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13. Cleaning of working place after completion of the jobs.

### 9.2 HYDROTEST OF FIXED TUBE/U-TUBE HEAT EXCHANGERS:

1. To carry out hydrotesting on shell side and tube side. Thus two hydrotest shall be carried out for fixed head and U-tubes type exchangers.

2. In case of hydrotesting on tube side, leakage is detected through tubes during testing. Then the leaking tubes to be plugged by Contractor/Tenderer as per the instructions from Engineer-In-Charge. Required plugs will be supplied by MAL.

3. Fabrication of fittings required will be under vendors scope. Fittings will be of proper pressure rating and should be fabricated as per standards provided by MAL and instructions of Engineer incharge.

4. Pressure gauge required for hydrotest will be in vendors scope. Pressure gauge will be tested and certified. Pressure gauge testing will be witnessed by MAL process as well as mechanical engineer.

### 9.3 HYDROTEST OF FLOATING HEAD HEAT EXCHANGER

In case of floating head type exchangers, the test rings shall be used for hydrotest on shell side to check leakage from individual tube and/or tube to tube sheet joints. Three hydrotest will have to be carried out for floating head type exchangers.

1. Fabrication of fittings required will be under vendors scope. Fittings will be of proper pressure rating and should be fabricated as per standards provided by MAL and instructions of Engineer in charge.

2. Pressure gauge required for hydrotest will be in vendors scope. Pressure gauge will be tested and certified. Pressure gauge testing will be witnessed by MAL process as well as mechanical engineer.

### 10. MODE OF MEASUREMENT:

DROPPING OF EXCH DOME/END COVER -Job measurement will be inch diameter of the exchanger dome/cover to be opened.

BOXUP OF EXCH DOME/END COVE -Job measurement will be inch diameter of the exchanger dome/cover to be opened.

TUBE BUNDLE PULL OUT Job -measurement will be weight of the tube bundle pulled..

TUBE BUNDLE BOXUP -Job measurement will be weight of the tube bundle to be boxed up.

HYDROTEST OF EXCH TO PR 0-10 KG/M2

Job measurement will be volume of the heat exchanger of which hydrotest is to be carried out. If hydrotest of shell side is carried out then only volume of shell side will be taken as measurement. Same is applicable for tube side also.

HYDROTEST OF EXCH TO PR 10-30 KG/M2

Job measurement will be volume of the heat exchanger of which hydrotest is to be carried out. If hydrotest of shell side is carried out then only volume of shell side will be taken as measurement. Same is applicable for tube side also.

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**HYDROTEST OF EXCH TO PR 30-100 KG/M2**

Job measurement will be volume of the heat exchanger of which hydrotest is to be carried out. If hydrotest of shell side is carried out then only volume of shell side will be taken as measurement. Same is applicable for tube side also.

**HYDROTEST OF EXCH TO PR 100-200 KG/M2**

Job measurement will be volume of the heat exchanger of which hydrotest is to be carried out. If hydrotest of shell side is carried out then only volume of shell side will be taken as measurement. Same is applicable for tube side also.

**HYDROTEST OF EXCH TO PR 200-400 KG/M2**

Job measurement will be volume of the heat exchanger of which hydrotest is to be carried out. If hydrotest of shell side is carried out, then only volume of shell side will be taken as measurement. Same is applicable for tube side also.

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## Price Bid Format: As per Annexure "A"

**Prices to be submitted for regular jobs as per Subject and Also % increase factor for Annual Shutdown jobs.**

Planned Annual shutdowns will be informed to the Contractor / tenderer 20 days prior.

Note: -There will be no % increase will be given in pricing for Breakdown/ Emergency Shutdown. For this regular ARC pricing will be applicable.

Scaffolding / Hydra/ Farana / Crane will be provided by MAL, Wherever not mentioned in scope as per Annexure -A.

The services of Fabricator, Welder, Rigger, and Helper which are mentioned in this tender shall be used for other services than the specifically mentioned in this tender.

**NOTE:-**

**Another ARC Scope is published on Deepak Fertiliser & Petrochemical corporation Ltd website - <https://www.dfpl.com/tender>.**

**Both Tenders will be open & Close for same period of time.**

**Budget is different for both Companies & Tenders are on value basis only.**

**At the time of price finalization will combine both ARC's & negotiate accordingly.**

**Annexure A -Consists of Unit Name, Service Code, Short text of Service, Detail description of Service & UOM.**

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## Details of Job Scope

SN	Activity No	Service Details	Detail Description	UOM
1	1000000	CS/LTCS Pipe (SAW) Sch - 40	Fabrication & welding of CS/LTCS pipes (SAW). The scope of work,shall include transportation of pipes from Stores to worksite,,cutting of pipes, edge preparation of the pipes, making fit up and,carrying out welding and necessary dressing. Returning of balance,materials to the stores. For mitre fabrication 20% extra will be,paid on applicable rate.	IND
2	1000011	CS/LTCS Pipe (SAW) above Sch-160	Fabrication & welding of CS/LTCS pipes (SAW). The scope of work,shall include transportation of pipes from Stores to worksite,,cutting of pipes, edge preparation of the pipes, making fit up and,carrying out welding and necessary dressing. Returning of balance,materials to the stores. For mitre fabrication 20% extra will be,paid on applicable rate.	IND
3	1000012	CS/LTCS Pipe (GTAW) Sch - 40	Fabrication & welding of CS/LTCS pipes (GTAW). The scope of work,shall include transportation of pipes from Stores to worksite,,cutting of pipes, edge preparation of the pipes, making fit up and,carrying out welding and necessary dressing. Returning of balance,materials to the stores. For mitre fabrication 20% extra will be,paid on applicable rate.	IND
4	1000013	CS/LTCS Pipe (GTAW) Sch - 80	Fabrication & welding of CS/LTCS pipes (GTAW). The scope of work,s hall include transportation of pipes from Stores to worksite,,cutting of pipes, edge preparation of the pipes, making fit up and, carrying out welding and necessary dressing. Returning of balance,materials to the stores. For mitre fabrication 20% extra will be, paid on applicable rate.	IND
5	1000014	CS/LTCS Pipe (GTAW) Sch - 160	Fabrication & welding of CS/LTCS pipes (GTAW). The scope of work, shall include transportation of pipes from Stores to worksite,,cutting of pipes, edge preparation of the pipes, making fit up and, carrying out welding and necessary dressing. Returning of balance,materials to the stores. For mitre fabrication 20% extra will be, paid on applicable rate.	IND
6	1000015	CS/LTCS Pipe (GTAW) Above Sch – 160	Fabrication & welding of CS/LTCS pipes (GTAW). The scope of work shall include transportation of pipes from Stores to worksite, cutting of pipes, edge preparation of the pipes, making fit up and carrying out welding and necessary dressing. Returning of balance materials to the stores. For mitre fabrication 20% extra will be paid on applicable rate.	IND
7	1000016	SS Pipes 304/304L(GTAW) Sch – 40	Fabrication & welding of SS pipes 304/304L (GTAW) with Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation, of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For, fabrication 20% extra will be paid on applicable rate.	IND
8	1000017	SS Pipes 304/304L(GTAW) Sch – 80	Fabrication & welding of SS pipes 304/304L (GTAW) with Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND

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9	1000018	SS Pipes 304/304L(GTAW) Sch - 160	Fabrication & welding of SS pipes 304/304L (GTAW) with Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND
10	1000019	SS Pipes 304/304L(GTAW) above Sch-160	Fabrication & welding of SS pipes 304/304L (GTAW) with Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND
11	1000020	SS 316/316L (GTAW) Sch - 40	Fabrication & welding of SS pipes 316/316L (GTAW) with Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND
12	1000021	SS 316/316L (GTAW) Sch - 80	Fabrication & welding of SS pipes 316/316L (GTAW) with Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND
13	1000023	SS 316/316L (GTAW) above Sch - 160	Fabrication & welding of SS pipes 316/316L (GTAW) with Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND
14	1000024	SS 317/317L (GTAW) Sch - 40	Fabrication & welding of SS pipes 317/317L (GTAW) with Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND
15	1000028	SS 304/304L(GTAW) Sch - 40	Fabrication & welding of SS pipes 304/304L (GTAW) without Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND

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16	1000029	SS 304/304L(GTAW) Sch - 80	Fabrication & welding of SS pipes 304/304L (GTAW) without Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND
17	1000030	SS 304/304L(GTAW) Sch - 160	Fabrication & welding of SS pipes 304/304L (GTAW) without Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND
18	1000032	SS 316/316L (GTAW) Sch - 40	Fabrication & welding of SS pipes 316/316L (GTAW) without Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND
19	1000033	SS 316/316L (GTAW) Sch - 80	Fabrication & welding of SS pipes 316/316L (GTAW) without Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND
20	1000036	SS 317/317L (GTAW) Sch - 40	Fabrication & welding of SS pipes 317/317L (GTAW) without Argon,purging from inside. The scope of work shall include transportation,of pipes from Stores to worksite, cutting of pipes, edge preparation,of the pipes, making fit up and carrying out welding and necessary,dressing. Returning of balance materials to the stores. For,fabrication 20% extra will be paid on applicable rate.	IND
21	1000040	SS 304/316/317(SAW) Sch - 40	Fabrication & welding of SS pipes (SAW) SS 304/316/317. The scope,of work shall include transportation of pipes from Stores to,worksite, cutting of pipes, edge preparation of the pipes, making,fit up and carrying out welding and necessary dressing. Returning,of balance materials to the stores. For mitre fabrication 20% extra,will be paid on applicable rate.	IND
22	1000041	SS 304/316/317(SAW) Sch - 80	Fabrication & welding of SS pipes (SAW) SS 304/316/317. The scope,of work shall include transportation of pipes from Stores to,worksite, cutting of pipes, edge preparation of the pipes, making,fit up and carrying out welding and necessary dressing. Returning,of balance materials to the stores. For mitre fabrication 20% extra,will be paid on applicable rate.	IND
23	1000043	SS 304/316/317(SAW) above Sch - 160	Fabrication & welding of SS pipes (SAW) SS 304/316/317. The scope,of work shall include transportation of pipes from Stores to,worksite, cutting of pipes, edge preparation of the pipes, making,fit up and carrying out welding and necessary dressing. Returning,of balance materials to the stores. For mitre fabrication 20% extra,will be paid on applicable rate.	IND

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24	1000044	CS To SS (ARC/TIG) Sch - 40	Fabrication & welding of CS to SS pipes (ARC/TIG). The scope of,work shall include transportation of pipes from Stores to worksite,,cutting of pipes, edge preparation of the pipes, making fit up and,carrying out welding and necessary dressing. Returning of balance,materials to the stores. For mitre fabrication 20% extra will be,paid on applicable rate.	IND
25	1000045	CS To SS (ARC/TIG) Sch - 80	Fabrication & welding of CS to SS pipes (ARC/TIG). The scope of,work shall include transportation of pipes from Stores to worksite,,cutting of pipes, edge preparation of the pipes, making fit up and,carrying out welding and necessary dressing. Returning of balance,materials to the stores. For mitre fabrication 20% extra will be,paid on applicable rate.	IND
26	1000047	CS To SS (ARC/TIG) above Sch - 160	Fabrication & welding of CS to SS pipes (ARC/TIG). The scope of,work shall include transportation of pipes from Stores to worksite,,cutting of pipes, edge preparation of the pipes, making fit up and,carrying out welding and necessary dressing. Returning of balance,materials to the stores. For mitre fabrication 20% extra will be,paid on applicable rate.	IND
27	1000048	CS rootrun TIG other by ARC Sch-40	Fabrication & welding of CS pipes by root run TIG and other runs,by ARC. The scope of work shall include transportation of pipes,from Stores to worksite, cutting of pipes, edge preparation of the,pipes, making fit up and carrying out welding and necessary,dressing. Returning of balancematerials to the stores. For mitre,fabrication 20% extra will be paid on applicable rate.	IND
28	1000049	CS rootrun TIG other by ARC Sch-80	Fabrication & welding of CS pipes by root run TIG and other runs,by ARC. The scope of work shall include transportation of pipes,from Stores to worksite, cutting of pipes, edge preparation of the,pipes, making fit up and carrying out welding and necessary,dressing. Returning of balancematerials to the stores. For mitre,fabrication 20% extra will be paid on applicable rate.	IND
29	1000050	CS rootrun TIG other by ARC Sch-160	Fabrication & welding of CS pipes by root run TIG and other runs,by ARC. The scope of work shall include transportation of pipes,from Stores to worksite, cutting of pipes, edge preparation of the,pipes, making fit up and carrying out welding and necessary,dressing. Returning of balancematerials to the stores. For mitre,fabrication 20% extra will be paid on applicable rate.	IND
30	1000052	SS root run TIG other by ARC Sch-40	Fabrication & welding of SS pipes by root run TIG and other runs,by ARC. The scope of work shall include transportation of pipes,from Stores to worksite, cutting of pipes, edge preparation of the,pipes, making fit up and carrying out welding and necessary,dressing. Returning of balancematerials to the stores. For mitre,fabrication 20% extra will be paid on applicable rate.	IND
31	1000053	SS root run TIG other by ARC Sch-80	Fabrication & welding of SS pipes by root run TIG and other runs,by ARC. The scope of work shall include transportation of pipes,from Stores to worksite, cutting of pipes, edge preparation of the,pipes, making fit up and carrying out welding and necessary,dressing. Returning of balancematerials to the stores. For mitre,fabrication 20% extra will be paid on applicable rate.	IND

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32	1000056	CS CUTTING 0 to 6 mm thk +(-) 0.5 mm	Gas cutting / hacksaw cutting of CS pipe lines and shifting to,required place as per Job Co-ordinator. The scope of job includes,dismantling of existing pipe lines or carrying out modification in,the pipe lines. The cut of materials shall be transported back as,per instruction of Job Co-ordinator. The scope also include opening,of flange joints, removal of supports and removal of valve, if any.	INM
33	1000057	CS CUTTING 6.5 to 10 mm thk +(-) 0.5 mm	Gas cutting / hacksaw cutting of CS pipe lines and shifting to,required place as per Job Co-ordinator. The scope of job includes,dismantling of existing pipe lines or carrying out modification in,the pipe lines. The cut of materials shall be transported back as,per instruction of Job Co-ordinator. The scope also include opening,of flange joints, removal of supports and removal of valve, if any.	INM
34	1000058	CS CUTTING 10 to 15 mm thk +(-) 0.5 mm	Gas cutting / hacksaw cutting of CS pipe lines and shifting to,required place as per Job Co-ordinator. The scope of job includes,dismantling of existing pipe lines or carrying out modification in,the pipe lines. The cut of materials shall be transported back as,per instruction of Job Co-ordinator. The scope also include opening,of flange joints, removal of supports and removal of valve, if any.	INM
35	1000059	CS CUTTING 15 to 20 mm thk +(-) 0.5 mm	Gas cutting / hacksaw cutting of CS pipe lines and shifting to,required place as per Job Co-ordinator. The scope of job includes,dismantling of existing pipe lines or carrying out modification in,the pipe lines. The cut of materials shall be transported back as,per instruction of Job Co-ordinator. The scope also include opening,of flange joints, removal of supports and removal of valve, if any.	INM
36	1000060	PIPE ERECTION UPTO 0 to 6 MTR HT.	Pipe erection. The scope of job includes for handling of pipes from,fabricator's workshop to erection site and erecting the pipes in,position with permanent support which also includes boxing up of,flanges and installation of valves, if any.	INM
37	1000061	PIPE ERECTION UPTO 6 to 10 MTR HT.	Pipe erection. The scope of job includes for handling of pipes from,fabricator's workshop to erection site and erecting the pipes in,position with permanent support which also includes boxing up of,flanges and installation of valves, if any.	INM
38	1000062	PIPE ERECTION ABOVE 10 MTR HT.	Pipe erection. The scope of job includes for handling of pipes from,fabricator's workshop to erection site and erecting the pipes in,position with permanent support which also includes boxing up of,flanges and installation of valves, if any.	INM
39	1000063	VALVE REMOVAL & HANDLING 6MTR HT 150 #	Valve removal and handling upto 6 M height above ground level.,The scope of job includes dismantling of flanges, removal of valves,and transporting it from the site as per instruction of Job,co-ordinator. Opening of flanges will be included in the scope. If,cutting of bolts is required, the same will be inclusive in the,scope. If valves are handled by Crane of Lift, then rate upto 6M,will be applicable and no extra charge will be payable.	IND
40	1000064	VALVE REMOVAL & HANDLING 6MTR HT 300#	Valve removal and handling upto 6 M height above ground level.,The scope of job includes dismantling of flanges, removal of valves,and transporting it from the site as per instruction of Job,co-ordinator. Opening of flanges will be included in the scope. If,cutting of bolts is required, the same will be inclusive in the,scope. If valves are handled by Crane of Lift, then rate upto 6M,will be applicable and no extra charge will be payable.	IND

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41	1000068	VALVE REMOVAL & HANDLING 12MTR HT 150#	Valve removal and handling upto 12M height above ground level.,The scope of job includes dismantling of flanges, removal of valves,and transporting it from the site as per instruction of Job,co-ordinator. Opening of flanges will be included in the scope. If,cutting of bolts is required, the same will be inclusive in the,scope. If valves are handled by Crane of Lift, then rate upto 6M,will be applicable and no extra charge will be payable.	IND
42	1000069	VALVE REMOVAL & HANDLING 12MTR HT 300#	Valve removal and handling upto 12M height above ground level.,The scope of job includes dismantling of flanges, removal of valves,and transporting it from the site as per instruction of Job,co-ordinator. Opening of flanges will be included in the scope. If,cutting of bolts is required, the same will be inclusive in the,scope. If valves are handled by Crane of Lift, then rate upto 6M,will be applicable and no extra charge will be payable.	IND
43	1000070	VALVE REMOVAL & HANDLING 12MTR HT 600#	Valve removal and handling upto 12M height above ground level.,The scope of job includes dismantling of flanges, removal of valves,and transporting it from the site as per instruction of Job,co-ordinator. Opening of flanges will be included in the scope. If,cutting of bolts is required, the same will be inclusive in the,scope. If valves are handled by Crane of Lift, then rate upto 6M,will be applicable and no extra charge will be payable.	IND
44	1000073	VALVE REMOVAL & HANDLING 18MTR HT 150#	Valve removal and handling upto 18M height above ground level.,The scope of job includes dismantling of flanges, removal of valves,and transporting it from the site as per instruction of Job,co-ordinator. Opening of flanges will be included in the scope. If,cutting of bolts is required, the same will be inclusive in the,scope. If valves are handled by Crane of Lift, then rate upto 6M,will be applicable and no extra charge will be payable.	IND
45	1000074	VALVE REMOVAL & HANDLING 18MTR HT 300#	Valve removal and handling upto 18M height above ground level.,The scope of job includes dismantling of flanges, removal of valves,and transporting it from the site as per instruction of Job,co-ordinator. Opening of flanges will be included in the scope. If,cutting of bolts is required, the same will be inclusive in the,scope. If valves are handled by Crane of Lift, then rate upto 6M,will be applicable and no extra charge will be payable.	IND
46	1000075	VALVE REMOVAL & HANDLING 18MTR HT 600#	Valve removal and handling upto 18M height above ground level.,The scope of job includes dismantling of flanges, removal of valves,and transporting it from the site as per instruction of Job,co-ordinator. Opening of flanges will be included in the scope. If,cutting of bolts is required, the same will be inclusive in the,scope. If valves are handled by Crane of Lift, then rate upto 6M,will be applicable and no extra charge will be payable.	IND
47	1000078	VALVE REMOVAL & HANDLING 25MTR HT 150#	Valve removal and handling upto 25M height above ground level.,The scope of job includes dismantling of flanges, removal of valves,and transporting it from the site as per instruction of Job,co-ordinator. Opening of flanges will be included in the scope. If,cutting of bolts is required, the same will be inclusive in the,scope. If valves are handled by Crane of Lift, then rate upto 6M,will be applicable and no extra charge will be payable.	IND

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48	1000079	VALVE REMOVAL & HANDLING 25MTR HT 300#	Valve removal and handling upto 25M height above ground level.,The scope of job includes dismantling of flanges, removal of valves,and transporting it from the site as per instruction of Job,co-ordinator. Opening of flanges will be included in the scope. If,cutting of bolts is required, the same will be inclusive in the,scope. If valves are handled by Crane of Lift, then rate upto 6M,will be applicable and no extra charge will be payable.	IND
49	1000083	Vlv Handl & Ere Upto 150#	Valve handling and erection. The scope of job includes transportation,of valves from stores to worksite. Cleaning of studs & bolts and,applying lubricants to it. Erection of valves in designated place and,boxing up of flanges with new gaskets. Boxing up of flanges is,included in the scope. Hot tightening of flange joints to be done,after plant start-up.	IND
50	1000084	Vlv Handl & Ere Upto 300#	Valve handling and erection. The scope of job includes transportation,of valves from stores to worksite. Cleaning of studs & bolts and,applying lubricants to it. Erection of valves in designated place and,boxing up of flanges with new gaskets. Boxing up of flanges is,included in the scope. Hot tightening of flange joints to be done,after plant start-up.	IND
51	1000085	Vlv Handl & Ere Upto 600#	Valve handling and erection. The scope of job includes transportation,of valves from stores to worksite. Cleaning of studs & bolts and,applying lubricants to it. Erection of valves in designated place and,boxing up of flanges with new gaskets. Boxing up of flanges is,included in the scope. Hot tightening of flange joints to be done,after plant start-up.	IND
52	1000088	OPEN & BOX UP FLANGE Upto 150#	Making or opening of flange joints (fixing/removing gaskets and/or,blinds.	IND
53	1000089	OPEN & BOX UP FLANGE Upto 300#	Making or opening of flange joints (fixing/removing gaskets and/or,blinds.	IND
54	1000090	OPEN & BOX UP FLANGE Upto 600#	Making or opening of flange joints (fixing/removing gaskets and/or,blinds.	IND
55	1000091	OPEN & BOX UP FLANGE Upto 1500#	Making or opening of flange joints (fixing/removing gaskets and/or,blinds.	IND
56	1000092	OPEN & BOX UP FLANGE Upto 2500#	Making or opening of flange joints (fixing/removing gaskets and/or,blinds.	IND
57	1000093	Fab & Erection of structure Upto 100 Kg	Fabrication and erection of structural includes transportation of,structural material from stores/yard to worksite. Fabrication and,erection to be done as per the drawing or requirement & returning,the balance material to stores. The fabricated items shall be,measured and converted to weight basis for billing purpose. If the,structure is made up of pipes, it will also be paid on the basis of,weight only.	KG
58	1000094	Fab & Erection of structure above 100 Kg	Fabrication and erection of structural includes transportation of,structural material from stores/yard to worksite. Fabrication and,erection to be done as per the drawing or requirement & returning,the balance material to stores. The fabricated items shall be,measured and converted to weight basis for billing purpose. If the,structure is made up of pipes, it will also be paid on the basis of,weight only.	KG

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59	1000095	Dismantling of structurals/handling	Dismantling of structurals by Gas cutting, stacking & handling,within factory premises to pre-determined place.	KG
60	1000096	Shifting of tanks, vessels, valves etc.	Only shifting of items such as tanks, vessels, valves etc. to,designated place inside the factory. (Not by Hydra or Crane).	KG
61	1000097	SS Plate cutting Upto 6 mm thk	Cutting of SS plates and pipes with ARC/hacksaw grinding.	INL
62	1000098	SS Plate cutting Above 6 to 10 mm thk	Cutting of SS plates and pipes with ARC/hacksaw grinding.	INL
63	1000099	SS Plate cutting Above 10 mm thk	Cutting of SS plates and pipes with ARC/hacksaw grinding.	INL
64	1000100	Remove & install safety valve Upto 150#	Removal, transporting, handling during testing and reinstallation,of safety valves at site (including during shutdown). The scope,includes opening of flanges, removal of safety valve, transporting,to test bench, handling during testing and after calibration is over,transporting it back to site, re-installation of it and boxing-up of,inlet / outlet flanges with properly cleaned and lubricated stud/bolt,Opening and box-up of flanges is included in the scope. Pricing for,this job to be based on inlet pipeline size and rating.	IND
65	1000101	Remove & install safety valve Upto 300#	Removal, transporting, handling during testing and reinstallation,of safety valves at site (including during shutdown). The scope,includes opening of flanges, removal of safety valve, transporting,to test bench, handling during testing and after calibration is over,transporting it back to site, re-installation of it and boxing-up of,inlet / outlet flanges with properly cleaned and lubricated stud/bolt,Opening and box-up of flanges is included in the scope. Pricing for,this job to be based on inlet pipeline size and rating.	IND
66	1000102	Remove & install safety valve Upto 600#	Removal, transporting, handling during testing and reinstallation,of safety valves at site (including during shutdown). The scope,includes opening of flanges, removal of safety valve, transporting,to test bench, handling during testing and after calibration is over,transporting it back to site, re-installation of it and boxing-up of,inlet / outlet flanges with properly cleaned and lubricated stud/bolt,Opening and box-up of flanges is included in the scope. Pricing for,this job to be based on inlet pipeline size and rating.	IND
67	1000103	Remove & install safety valve Upto 1500#	Removal, transporting, handling during testing and reinstallation,of safety valves at site (including during shutdown). The scope,includes opening of flanges, removal of safety valve, transporting,to test bench, handling during testing and after calibration is over,transporting it back to site, re-installation of it and boxing-up of,inlet / outlet flanges with properly cleaned and lubricated stud/bolt,Opening and box-up of flanges is included in the scope. Pricing for,this job to be based on inlet pipeline size and rating.	IND

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68	1000105	Metal Scaffolding	Scaffolding (as per our standard) with party's material shall be, made up of pipe material as per the standard enclosed. Party's pricing will be on the basis of platform area x height above the floor. For overhanging type of scaffolding minimum height of 1 M, will be considered. If it is more than 1M, then actual height will be considered. If scaffolding is erected around the equipment, then the equipment area will be deducted for calculating the total volume of scaffolding.	M3
69	1000106	Repairing of HDPE piping.	Repairing of HDPE piping. Cutting is included in the scope of job.	IND
70	1000107	Remove & install C/V Upto 150#	Removal of control valves with actuator and shifting the same to workshop and re-installation including flange and flange box-up. The scope of job includes opening of flanges, removal of control valve, transporting it to workshop and back to the site after repair, and boxing up of flanges. Opening & boxing up of flanges is part of the scope of job.	IND
71	1000108	Remove & install C/V Upto 300#	Removal of control valves with actuator and shifting the same to workshop and re-installation including flange and flange box-up. The scope of job includes opening of flanges, removal of control valve, transporting it to workshop and back to the site after repair, and boxing up of flanges. Opening & boxing up of flanges is part of the scope of job.	IND
72	1000109	Remove & install C/V Upto 600#	Removal of control valves with actuator and shifting the same to workshop and re-installation including flange and flange box-up. The scope of job includes opening of flanges, removal of control valve, transporting it to workshop and back to the site after repair, and boxing up of flanges. Opening & boxing up of flanges is part of the scope of job.	IND
73	1000110	Remove & install C/V Upto 1500#	Removal of control valves with actuator and shifting the same to workshop and re-installation including flange and flange box-up. The scope of job includes opening of flanges, removal of control valve, transporting it to workshop and back to the site after repair, and boxing up of flanges. Opening & boxing up of flanges is part of the scope of job.	IND
74	1000112	Fabrication & fixing of railing	Fabrication and fixing of railing around platform or staircase, using 1-1/4" 1-1/2" pipe dia and toe plate size - 6mm x 75mm x flat. The scope of work includes transportation of material from to and from Stores. Cutting and welding of pipes and plates to fabricate, railing and erection of railing in position. The pricing for this job, will be on the basis of running meter of railing.	RM
75	1000121	CS Gas Cutting Upto 6 mm thk.	Gas cutting of only CS material. (The consumables required for the job is in vendor's scope)	INL
76	1000122	CS Gas Cutting 7 mm to 10 mm thk.	Gas cutting of only CS material. (The consumables required for the job is in vendor's scope)	INL
77	1000123	CS Gas Cutting 11mm to 15 mm thk.	Gas cutting of only CS material. (The consumables required for the job is in vendor's scope)	INL
78	1000124	CS Gas Cutting Above 15 mm thk.	Gas cutting of only CS material. (The consumables required for the job is in vendor's scope)	INL

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79	1000125	Erec of Eqpt upto 10 MT	Erection of equipment including of equipment, erection at site,,leveling of equipment alignment of equipment etc. (crane will,be provided by DFPCL). The scope of work includes shifting,of equipment, installation of equipment, levelling and alignmnet of,equipment. Boxing up of all the connecting flanges, hot tightening,of all the connecting flanges, any other interconnected job and,required scaffolding for the job is part of the scope of job.,(Crane will be provided by the company, if required)	MT
80	1000127	Fabricator (In Shift)	Supply of manpower for different categories in normal duty,(Gen./first/second/third)shall include light tools and personal,safety gadgets like helmets, safety shoes, safety goggles,and safety belts of approved quality.	PHP
81	1000128	Welder (Argon & Arc) (In Shift)	Supply of manpower for different categories in normal duty,(Gen./first/second/third)shall include light tools and personal,safety gadgets like helmets, safety shoes, safety goggles,and safety belts of approved quality.	PHP
82	1000129	Rigger (In Shift)	Supply of manpower for different categories in normal duty,(Gen./first/second/third)shall include light tools and personal,safety gadgets like helmets, safety shoes, safety goggles,and safety belts of approved quality.	PHP
83	1000130	Helper (In Shift)	Supply of manpower for different categories in normal duty,(Gen./first/second/third)shall include light tools and personal,safety gadgets like helmets, safety shoes, safety goggles,and safety belts of approved quality.	PHP
84	1000131	Rigging foreman (In Shift)	Supply of manpower for different categories in normal duty,(Gen./first/second/third)shall include light tools and personal,safety gadgets like helmets, safety shoes, safety goggles,and safety belts of approved quality.	PHP
85	1000133	Fabricator (Bet 5.30PM-9AM)	Supply of manpower for different categories (in between 5.30 PM,to 9.00 AM next day) shall include light tools and personal,safety gadgets like helmets, safety shoes, safety goggles,and safety belts of approved quality.	PHP
86	1000134	Welder (Argon & Arc)(Bet 5.30PM-9AM)	Supply of manpower for different categories (in between 5.30 PM,to 9.00 AM next day) shall include light tools and personal,safety gadgets like helmets, safety shoes, safety goggles,and safety belts of approved quality.	PHP
87	1000135	Rigger (Bet 5.30PM-9AM)	Supply of manpower for different categories (in between 5.30 PM,to 9.00 AM next day) shall include light tools and personal,safety gadgets like helmets, safety shoes, safety goggles,and safety belts of approved quality.	PHP
88	1000136	Helper (Bet 5.30PM-9AM)	Supply of manpower for different categories (in between 5.30 PM,to 9.00 AM next day) shall include light tools and personal,safety gadgets like helmets, safety shoes, safety goggles,and safety belts of approved quality.	PHP
89	1000139	Hot tightening of flanges.	Hot tightening of flanges. (Tools & tackles in vendor's scope)	IND
90	1000140	Heating of oil by gas cutting torch.	Heating of oil by gas cutting torch.(Tools & tackles in vendor's,scope)	STD
91	1000141	Rem and instl of elbow E 311	Removal and installation of top elbow of E 311 of ANP plant,and removal and installation of 8" flush bottom valve. The scope,of work includes necessary scaffolding, opening and box up of,flanges, hot tightening of all flanges and any interconnected job.	LE
92	1000143	Rem and instl of blower K-301	Removal and installation of K 301 (old or new) blower. The scope,of work includes removal of blower from position, bring it to,workshop, providing assistance for overhauling, shifting it to site,and box-up of the same.	LE

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93	1000144	Replacement of motor	Replacement of motor. The scope of work includes removal of motor,from plant and shifting to Electrical Workshop, shifting of motor,from stores or Electrical Workshop to plant and installation of the,same at site.	KG
94	1000148	Rem/Instl of Super Heater E-207	Removal and installation of Steam Super Heater E 207of WNA plant.,Vendor scope:,Wt of Superheater: approx 4.5 T,1.Vendor to depute competent manpower along with all safety PPEs to,execute the job at site.,2.Opening of Superheater inlet flange connection with E-206 outlet,flange.,FlngeOD : 1219 mm x PCD of bolt1177.9 mm x 60 nos 3/4" stud bolts.,3.Opening of Superheater outlet flange size 18"x 300#.,4.Opening of superheater steam inlet and outlet flange connection,6"x600#,5.Opening of 1"x300# drain flange and condensate outlet 1"x300# flange,connection.,6.Remove complete superheater by using chainblock and down at ground.,7.Shift the superheater at designated place as per EIC guidelines by,using hydra.,8.Clean the surface of gasket seating area by using emery paper.,9.As per EIC guidlines shift the supetheater at plant area and again,installed it by providing new gasket and tightening the flange.,10.Hot tightening of flanges during start up of plant as per EIC,instruction.,11.If any leakage occured, vendor to arrange it free of cost.,12.erection of scaffolding and removing it , will be in vendor scope.,13.All tools and tackles should be certified by third party aganecy.,14.Vendor to ensure housekeeping after completion of job at site.,15.All tools <(>&<> Tackles, manpower, hydra , scaffolding are in,vendors scope.,STL scope:,1.Permit, air, electricity	LE
95	1000149	Rem/Instl Amm Air Mixer/Gas.Clr.Cdr.	Removal and installation of Ammonia Air Mixer / Gas Cooler,Condensor of WNA Plant. The scope of work includes necessary,scaffolding, opening of all flanges, removal of completer Ammonia,Air Mixer & keeping it at the required place. Boxing up of Ammonia,Air Mixer after repair and cleaning & boxing up of all connecting,flanges. Crane will be proviced by the company.	LE
96	1000150	Rem./Instl.of Convertor Cone WNA-III	Removal and installation of Convertor Cone of WNA-III Plant. The,scope of work includes necessary scaffolding, opening of inlet line,and main flange, removal of dome, removal of Catalyst basket along,with catalyst. Removal of packings. Installation of basket, dome,etc.,Any other interconnected jobs in contractor's scope. Hot tightening,of all the flanges after plant start-up.	LE
97	1000151	Rem/Instl.of Amm. Mixer FC Assy.WNAIII	Removal and installation of Ammonia Air Mixer Filter Candle,Assembly of WNA-III plant. The scope of work includes necessary,scaffolding, removal of inlet flange and main flange of mixer.,Removal of complete assembly and keeping it into cleaning tank.,After cleaning of candles, box-up of candle assembly and box-up of,main flange and inlet flange. Any other interconnected jobs in,contractor's scope. Hot tightening of all flanges after plant,start-up.	LE

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98	1001325	O&B MANHOLE COVER FLANGES 18" X 300#	Opening and boxing up of Manhole cover flanges 18" x 300# for various,vessels,Contractor's scope of work includes-,1. Opening of manhole covers after getting clearance.,2. Cleaning of all studs and nuts, gasket seating area on nozzle and,cover flanges.,3. Box up the manhole covers after getting clearance.,4. Arrange sufficient tools and tackles, skilled manpower <(>&<)>,supervisor for execution of the job on round the clock basis.,5. Scaffolding if necessary for the job shall be provided by the,contractor.,6. Hot tightening to be carried out wherever necessary during / after,plant start up.,7. All stud and nuts to be reused after cleaning <(>&<)> applying,grease.,8. If any bolts requires to be cut that will not be considered as,additional job.,9. Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPCL job coordinator.,10.All dismantled nuts and bolts/ studs shall be properly stored, DFPCL,shall not be responsible for any loss of components.,11.Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator before doing,the work.,12. Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,13.Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work site,immediately after completion of work. Housekeeping shall also be done,in between the work to keep the work area clean <(>&<)> tidy.,14.Quantity of job given is tentative and may vary as per DFPCL,requirement, payment shall be done only on the basis of actual job done.,DFPCL SCOPE OF SUPPLY,1 Power, water, grease and cleaners .,2. New Gaskets for the Manhole cover flanges.,3. Replacement of worn out flanges.	EA
99	1001375	E-604 reformed Gas cooler	Hydrotesting and certification of pressure vessel E-604,Reformed Gas cooler for Shell/net on form No.13 of Factory,Act during Methanol plant shutdown at our Taloja works.,Scope of work:-,1) Prepare blinding schedule of equipments to be tested.,2) Fixing and removal of blinds and hydrotest.,3) Replacing with new gasket after hydrotest.,4) Tightening during the leak test.,5) Hot tightening during the plant startup.,6) Re-test whenever required after repairs/ retubing/ plugging &,certifying the job on form 13 by competent authority.,7) Use DM water for SS vessels.	EA
100	1001592	Replacement of required spares	Replacement of required spares for repairing of Morris make hoist.	LE
101	1001600	Replacement gasket of bubble caps C-303P	Various jobs to be done on C-303 P for replacement of gasket of bubble,caps which includes scaffolding, opening and boxing of top dome,,removal and inspection of Tray, removal and installation of bubble,in our ANP plant at Taloja.	LE
102	1003169	REPLACE BELT OF H 302 CONVEYOR 75 M LG.	1 RELEASING THE BELT TENSION,2 REMOVAL OF OLD BELT,3 INSTALLATION OF NEW BELT,4 VULCANISING,5 PROVIDING TENSION TO BELT,6 RECOMMISSIONING,7 POWER, WATER SUPPLIED BY DFPCL,8 CONTRACTOR TO CARRY OUT THE WORK ON ROUND THE CLOCK BASIS,9 ALL PERSONS SHALL WORK UNDER FULL SAFETY PRECAUTIONS,10 CONTRACTOR SHALL DO HOUSEKEEPING <(>&<)> REMOVAL UNWANTED MTRL FRO,SITE.	EA
103	1003170	REPLACE BELT OF H 309 CONVEYOR 19 M LG.	1 RELEASING THE BELT TENSION,2 REMOVAL OF OLD BELT,3 INSTALLATION OF NEW BELT,4 VULCANISING,5 PROVIDING TENSION TO BELT,6 RECOMMISSIONING,7 POWER, WATER SUPPLIED BY DFPCL,8 CONTRACTOR TO CARRY OUT THE WORK ON ROUND THE CLOCK BASIS,9 ALL PERSONS SHALL WORK UNDER FULL SAFETY PRECAUTIONS,10 CONTRACTOR SHALL DO HOUSEKEEPING <(>&<)> REMOVAL UNWANTED MTRL FRO,SITE	EA

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104	1003171	REPLACE BELT OF WM 301 CONVEYOR 25 M LG.		EA
105	1003172	REPLACE BELT H793/1 CONVEYOR 275 M LG.	1 RELEASING THE BELT TENSION,2 REMOVAL OF OLD BELT,3 INSTALLATION OF NEW BELT,4 VULCANISING,5 PROVIDING TENSION TO BELT,6 RECOMMISSIONING,7 POWER, WATER SUPPLIED BY DFPCL,8 CONTRACTOR TO CARRY OUT THE WORK ON ROUND THE CLOCK BASIS,9 ALL PERSONS SHALL WORK UNDER FULL SAFETY PRECAUTIONS,10 CONTRACTOR SHALL DO HOUSEKEEPING <(>&<)> REMOVAL ALL UNWANTED MATERI,FROM THE SITE.	EA
106	1003173	REPLACE BELT H793/2 CONVEYOR 120 M LG.	1 RELEASING THE BELT TENSION,2 REMOVAL OF OLD BELT,3 INSTALLATION OF NEW BELT,4 VULCANISING,5 PROVIDING TENSION TO BELT,6 RECOMMISSIONING,7 POWER, WATER SUPPLIED BY DFPCL,8 CONTRACTOR TO CARRY OUT THE WORK ON ROUND THE CLOCK BASIS,9 ALL PERSONS SHALL WORK UNDER FULL SAFETY PRECAUTIONS,10 CONTRACTOR SHALL DO HOUSEKEEPING <(>&<)> REMOVAL UNWANTED MTRL FRO,SITE	EA
107	1003174	REPLACE BELT H793/3 CONVEYOR 225 M LG.	1 RELEASING THE BELT TENSION,2 REMOVAL OF OLD BELT,3 INSTALLATION OF NEW BELT,4 VULCANISING,5 PROVIDING TENSION TO BELT,6 RECOMMISSIONING,7 POWER, WATER SUPPLIED BY DFPCL,8 CONTRACTOR TO CARRY OUT THE WORK ON ROUND THE CLOCK BASIS,9 ALL PERSONS SHALL WORK UNDER FULL SAFETY PRECAUTIONS,10 CONTRACTOR SHALL DO HOUSEKEEPING <(>&<)> REMOVAL UNWANTED MTRL FRO,SITE.	EA
108	1003183	REPLACE BELT H 791/1 CONVEYOR 170 M LG.	1 RELEASING THE BELT TENSION,2 REMOVAL OF OLD BELT,3 INSTALLATION OF NEW BELT,4 VULCANISING,5 PROVIDING TENSION TO BELT,6 RECOMMISSIONING,7 POWER, WATER SUPPLIED BY DFPCL,8 CONTRACTOR TO CARRY OUT THE WORK ON ROUND THE CLOCK BASIS,9 ALL PERSONS SHALL WORK UNDER FULL SAFETY PRECAUTIONS,10 CONTRACTOR SHALL DO HOUSEKEEPING <(>&<)> REMOVAL UNWANTED MTRL FRO,SITE	EA
109	1003185	REPLACE BELT H 791/10 CONVEYOR 15 M LG.	1 RELEASING THE BELT TENSION,2 REMOVAL OF OLD BELT,3 INSTALLATION OF NEW BELT,4 VULCANISING,5 PROVIDING TENSION TO BELT,6 RECOMMISSIONING,7 POWER, WATER SUPPLIED BY DFPCL,8 CONTRACTOR TO CARRY OUT THE WORK ON ROUND THE CLOCK BASIS,9 ALL PERSONS SHALL WORK UNDER FULL SAFETY PRECAUTIONS,10 CONTRACTOR SHALL DO HOUSEKEEPING <(>&<)> REMOVAL UNWANTED MTRL FRO,SITE	EA
110	1003193	REPLACE CHAIN OF ELEVATOR H303 32 M LG.	1 OPENING OF BOOT COVERS <(>&<)> INSPECTION DOORS,2 RELEASING OF CHAIN TENSION,3 OPENING OF CHAIN LINK,4 REMOVAL OF CHAIN ALONGWITH BUCKET,5 DISMANTLING OF BUCKET FROM OLD CHAIN,6 INSTALLATION OF NEW CHAIN <(>&<)> JOINTING,7 FIXING OF BUCKET ON NEW CHAIN - 65 NOS.,8 PROVIDING TENSION <(>&<)> RECOMMISSIONING,9 BOXING UP OF COVERS <(>&<)> INSPECTION DOORS,10 POWER, WATER SUPPLIED BY DFPCL,11 CONTRACTOR TO CARRY OUT THE WORK ON ROUND THE CLOCK BASIS,12 ALL PERSONS SHALL WORK UNDER FULL SAFETY PRECAUTIONS,13 CONTRACTOR SHALL DO HOUSEKEEPING <(>&<)> REMOVAL UNWANTED MTRL FRO,SITE	EA

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111	1003194	REPLACE CHAIN OF ELEVATOR H304 96 M LG.	1 OPENING OF BOOT COVERS <(>&<)> INSPECTION DOORS,2 RELEASING OF CHAIN TENSION,3 OPENING OF CHAIN LINK,4 REMOVAL OF CHAIN ALONGWITH BUCKET,5 DISMANTLING OF BUCKET FROM OLD CHAIN,6 INSTALLATION OF NEW CHAIN <(>&<)> JOINTING,7 FIXING OF BUCKET ON NEW CHAIN - 170 NOS.,8 PROVIDING TENSION <(>&<)> RECOMMISSIONING,9 BOXING UP OF COVERS <(>&<)> INSPECTION DOORS,10 POWER, WATER SUPPLIED BY DFPCL,11 CONTRACTOR TO CARRY OUT THE WORK ON ROUND THE CLOCK BASIS,12 ALL PERSONS SHALL WORK UNDER FULL SAFETY PRECAUTIONS,13 CONTRACTOR SHALL DO HOUSEKEEPING <(>&<)> REMOVAL UNWANTED MTRL FRO,SITE	EA
112	1003212	DROPPING OF EXCH DOME/END COVER	CONTRACTOR SCOPE-,1. Job involves dropping of dome/end cover of exchangers.,2. All tools and tackles and manpower will be in vendors scope.,3. Unit of Measurement of the job will be the diameter of the dome/end,cover.	IND
113	1003213	BOXUP OF EXCH DOME/END COVER	CONTRACTOR SCOPE-,1.Job involves boxup of dome/end cover of exchangers after cleaning the,gasket seating area and fixing the gasket properly as per the,instructions from engineer incharge.,2. Cutting of exchanger gaskets from gasket sheets if required is in,vendors scope.,3. All tools and tackles and manpower will be in vendors scope.,4. Unit of Measurement of the job will be the diameter of the dome/end,cover.,5. Hot bolting of exchanger if required will be in vendors scope.,6. In case of leakage the vendor has to redo the job again and no extra,charges will be payable.	IND
114	1003214	TUBE BUNDLE PULL OUT	1. Tube bundle pullout using tools and tackles of contractor.,2. Crane/ hydra required for the job will be provided by DFPCL.	KG
115	1003215	TUBE BUNDLE BOXUP	1. Tube bundle boxup after cleaning the gasket seating area and as per,the instructions of engg. Incharge using tools and tackles of,contractor.,2. Cutting of exchanger gaskets from gasket sheets if required is in,vendors scope.,3. Crane/ hydra required for the job will be provided by DFPCL.	KG
116	1003216	HYDROTEST OF EXCH TO PR 0-10 KG/M2	1. Hydrotest of exchanger upto a pressure of 0- 10 kg using hand pump.,2. Equipment and manpower will be in vendor scope.,3. Fabrication of fittings required will be under vendors scope.,Fittings will be of proper pressure rating and should be fabricated as,per standards provided by DFPCL and instructions of Engineer incharge.,4. Pressure gauge required for hydrotest will be in vendors scope.,Pressure gauge will be tested and certified. Pressure gauge testing will,be witnessed by DFPCL process as well as mechanical engineer.	M3
117	1003217	HYDROTEST OF EXCH TO PR 10-30 KG/M2	1. Hydrotest of exchanger upto a pressure of 10-30 kg using hand pump.,2. Equipment and manpower will be in vendor scope.,3. Fabrication of fittings required will be under vendors scope.,Fittings will be of proper pressure rating and should be fabricated as,per standards provided by DFPCL and instructions of Engineer incharge.,4. Pressure gauge required for hydrotest will be in vendors scope.,Pressure gauge will be tested and certified. Pressure gauge testing will,be witnessed by DFPCL process as well as mechanical engineer.	M3

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118	1003218	HYDROTEST OF EXCH TO PR 30-100 KG/M2	1. Hydrotest of exchanger with pressure from 30 kg to 100 kg using,electric/pneumatic/hydraulic pump.,2. Equipment and manpower will be in vendor scope.,3. Fabrication of fittings required will be under vendors scope.,Fittings will be of proper pressure rating and should be fabricated as,per standards provided by DFPC and instructions of Engineer incharge.,4. Pressure gauge required for hydrotest will be in vendors scope.,Pressure gauge will be tested and certified. Pressure gauge testing will,be witnessed by DFPC process as well as mechanical engineer.	M3
119	1003261	OVERHAULING OF K302/K401 FAN	1-REMOVAL OF K302A FAN FROM POSITION AND SHIFTING TO DESIGNATED,PLACE.WHICH IS 64" DIA FLANGE AND WEIGHT IS APPROX 1000KG. 2-REMOVAL OF,BELLOW ASSEMBLY OF 64" DIA.AND AGAIN BOXED UP WITH NEW BELLOW.,3-MANPOWER TO BE PROVIDED FOR DISMENTALING OF FAN WITH SHAFT FROM,POSITION.ANY CUTTING OR WELDING JOBS TO BE CARRIED OUT BY PARTY FOR,REMOVAL OF FAN. 4-SHIFTING OF SHAFT WITH BEARING ASSEMBLY FROM PRILLING,TOWER TO MECHANICAL WORK SHOP GR-3 (APPROX WEIGHT -500 KG) 5-MANPOWER TO,BE PROVIDED FOR ASSISTANCE DURING WELDING WORK AT FAN BODY. 6-SHIFTING,OF FAN TO NEW POSITION FOR WELDING OF BODY (APPROX WEIGHT-1000 KG),7-MANPOWER TO BE PROVIDED FOR ASSEMBLY WORK OF FAN . 8-SHIFTING OF FAN,TO POSITION AND ERECTION WORK. 9-ERECTION OF FAN BELLOW TO POSITION WITH,NEW BELOW. 10-REMOVAL AND BOXED UP OF MOTOR TO BE DONE TO CARRY OUT THE,JOB. 11-REMOVAL AND BOXED UP OF FAN / MOTOR GUARD. 12-SHIFTING OF FAN,IMPELLER FROM WORKSHOP TO PRILLING TOWER TOP FLOOR FOR ASSEMBLY WORK.,13-FAN IMPELLER WHICH IS REMOVED FOR MAINTENANCE WORK TO BE SHIFTED TO,MECHANICAL WORK SHOP. 14-AREA HOUSEKEEPING TO BE DONE AFTER JOBS,COMPLETION.	LE
120	1003263	REPLACEMENT OF SUPPORT ROLLER FOR D301	SCOPE OF WORK- 1-SHIFTING OF NEW SUPPORT ROLLER FROM STORE TO MECHANICAL,WORKSHOP (APPROX WEIGHT OF ROLLER IS 1500 KG). 2-LIFTING OF DRUM FOR,REMOVAL OF SUPPORT ROLLER. 3-REMOVAL OF ROLLER FROM POSITION AND,SHIFTING TO WORKSHOP. 4-MANPOWER ASSISTANCE REQUIRED FOR REMOVAL OF,BEARING FROM OLD ROLLER AND FITTING AT NEW ROLLER. 5-SHIFTING OF ROLLER,FROM WORKSHOP TO PLANT AFTER ASSEMBLY OF BEARINGS <(>&<)> PLUMMER BLOCK.,6-ERECTION OF ROLLER AT POSITION . 7-REMOVAL OF JACK FOR POSITIONING OF,DRUM. 8-TAKING TRIAL OF EQUIPMENT. 9-HOUSEKEEPING OF AREA TO BE DONE,AFTER JOBS COMPLETION. 10-ALL TOOLS <(>&<)> TACKLES WILL BE PROVIDED BY,CONTRACTOR. 11-SCAFFOLDING TO BE PROVIDED BY CONTRACTOR IF REQUIRED.	EA
121	1003264	REPLACE THRUST ROLLER ASSEMBLY D301	SCOPE OF WORK- 1-SHIFTING OF NEW THRUST ROLLER ASSEMBLY FROM STORE TO,MECHANICAL WORKSHOP (APPROX WEIGHT OF ROLLER IS 500 KG). 2-REMOVAL OF,THRUST ROLLER FROM POSITION AND SHIFTING TO WORKSHOP. 3-SHIFTING OF,THRUST ROLLER FROM WORKSHOP TO PLANT. 4-ERECTION OF THRUST ROLLER AT,POSITION . 5-TAKING TRIAL OF DRUM . 6-MANPOWER ASSISTANCE REQUIRED FOR,POSITIONING OF DRUM. 7-HOUSEKEEPING OF AREA TO BE DONE AFTER JOBS,COMPLETION. 8-ALL TOOLS <(>&<)> TACKLES WILL BE PROVIDED BY CONTRACTOR.	LE

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122	1003266	REPLACEMENT OF K302/K401 MOTOR	MOTOR WEIGHT-660 KG 1-REMOVAL OF BELT GUARD <(>&<)> BELT FROM POSITION.,2-OPENING OF BOLTS FOR REMOVAL OF MOTOR (APPROX WEIGHT-660 KG),,3-SHIFTING OF MOTOR FROM TOP FLOOR AT AN/NP PRILLING TOWER TO ELECTRICAL,WORKSHOP. 4-REMOVAL OF V-BELT PULLEY FROM OLD MOTOR AND INSTALLATION TO,BE DONE AT NEW MOTOR. 5-SHIFTING OF NEW MOTOR FROM ELECTRICAL WORKSHOP,TO TOP OF AN/NP PRILLING TOWER. 6-ERECTION OF MOTOR AT POSITION.,7-MANPOWER ASSISTANCE FOR ALIGNMENT OF MOTOR WITH FAN. 8-AFTER ALIGNMENT,V-BELT TO BE PROVIDED. 9-INSTALLATION OF BELT GUARD TO BE DONE.,10-TAKING TRIAL OF EQUIPMENTS AND HOUSEKEEING OF AREA TO BE DONE. 11-ALL,TOOLS AND TACKLES,CHAIN PULLEY BLOCKS ETC.WILL BE PROVIDED BY CONTRACTOR,TO CARRY OUT THE JOBS. 12-ALL PPE TO BE PROVIDED BY CONTRACTOR.	LE
123	1003267	REPLACEMENT OF H301 GEAR BOX	SCOPE OF WORK- 1-REMOVAL OF BELT GUARD AND V-BELT FROM POSITION.,2-REMOVAL OF GEAR BOX FROM POSITION AFTER DRAINING OF OIL FROM BULL GEAR,ASSEMBLY.(APPROX WEIGHT OF GEAR BOX IS 1000 KG). 3-DRAINING OF OIL FROM,GEAR BOX. 4-SHIFTING OF GEAR BOX FROM PLANT TO WORKSHOP. 5-SHIFTING OF,NEW GEAR BOX FROM STORE TO WORKSHOP. 6-REMOVAL OF PINION FROM OLD GEAR,BOX TO BE DONE FOR THIS PULLER WELDING AND HEATING REQUIRED.,7-INSTALLATION OF PINION AT NEW GEAR BOX TO BE DONE FOR THIS HEATING OF,PINION TO BE DONE AND AFTER HEATING IT IS TO BE INSTALLED AT GEAR BOX,OUT PUT SHAFT. 8-MANPOWER ASSISTANCE FOR REMOVAL OF V-BELT PULLEY FROM,OLD GEAR BOX AND FITTING AT NEW GEAR BOX. 9-SHIFTING OF GEAR BOX FROM,WORKSHOP TO PLANT AND ERECTION TO BE DONE AT POSITION. 10-INSTALLATION,OF V-BELT AND BELT GUARD . 11-TAKING TRIAL OF EQUIPMENTS AND HOUSEKEEING,OF AREA TO BE DONE. 12-ALL TOOLS AND TACKLES,CHAIN PULLEY BLOCKS ETC.,WILL BE PROVIDED BY CONTRACTOR TO CARRY OUT THE JOBS. 13-ALL PPE TO BE,PROVIDED BY CONTRACTOR.	LE
124	1003268	REPLACEMENT OF H301 MOTOR	SCOPE OF WORK- MOTOR WEIGHT-140 KG 1-REMOVAL OF BELT GUARD AND V-BELT,FROM POSITION. 2-REMOVAL OF MOTOR WITH FLUID COUPLING FROM POSITION AND,SHIFTING TO WORKSHOP. 3-SHIFTING OF NEW MOTOR FROM STORE TO ELECTRICAL,WORKSHOP. 4-MANPOWER ASSISTANCE FOR REMOVAL OF FLUID COUPLING FROM OLD,MOTOR AND INSTALLATION AT NEW MOTOR. 5-SHIFTING OF MOTOR FROM ELECTRICAL,WORKSHOP TO PLANT AND ERECTION AT POSITION TO BE DONE. 6-INSTALLATION OF,V-BELT AND BELT GUARD TO BE DONE AFTER CONNECTION OF MOTOR . 7-TAKING,TRIAL OF EQUIPMENTS AND HOUSEKEEING OF AREA TO BE DONE. 8-ALL TOOLS AND,TACKLES,CHAIN PULLEY BLOCKS ETC. WILL BE PROVIDED BY CONTRACTOR TO CARRY,OUT THE JOBS. 9-ALL PPE TO BE PROVIDED BY CONTRACTOR.	EA

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125	1003269	REPLACEMENT OF SUPPORT ROLLER FOR D402	SCOPE OF WORK- 1-SHIFTING OF NEW SUPPORT ROLLER FROM STORE TO MECH.,WORKSHOP (APPROX WEIGHT OF ROLLER IS 1200 KG). 2-LIFTING OF DRUM FOR,REMOVAL OF SUPPORT ROLLER. 3-REMOVAL OF ROLLER FROM POSITION AND,SHIFTING TO WORKSHOP. 4-MANPOWER ASSISTANCE REQUIRED FOR REMOVAL OF,BEARING FROM OLD ROLLER AND FITTING AT NEW ROLLER. 5-SHIFTING OF ROLLER,FROM WORKSHOP TO PLANT AFTER ASSEMBLY OF BEARINGS <(>&<)> PLUMMER BLOCK.,6-ERECTION OF ROLLER AT POSITION . 7-REMOVAL OF JACK FOR POSITIONING OF,DRUM. 8-TAKING TRIAL OF EQUIPMENT. 9-HOUSEKEEPING OF AREA TO BE DONE,AFTER JOBS COMPLETION. 10-ALL TOOLS <(>&<)> TACKLES WILL BE PROVIDED BY,CONTRACTOR. 11-SCAFFOLDING TO BE PROVIDED BY CONTRACTOR IF REQUIRED.	EA
126	1003271	REPLACE THRUST ROLLER ASSEMBLY D402	SCOPE OF WORK- 1-SHIFTING OF NEW THRUST ROLLER ASSEMBLY FROM STORE TO,MECHANICAL WORKSHOP (APPROX WEIGHT OF ROLLER IS 500 KG). 2-REMOVAL OF,THRUST ROLLER FROM POSITION AND SHIFTING TO WORKSHOP. 3-SHIFTING OF,THRUST ROLLER FROM WORKSHOP TO PLANT. 4-ERECTION OF THRUST ROLLER AT,POSITION . 5-TAKING TRIAL OF DRUM . 6-MANPOWER ASSISTANCE REQUIRED FOR,POSITIONING OF DRUM. 7-HOUSEKEEPING OF AREA TO BE DONE AFTER JOBS,COMPLETION. 8-ALL TOOLS <(>&<)> TACKLES WILL BE PROVIDED BY CONTRACTOR.	EA
127	1003273	REPLACE BELT OF H-793/11 CONVEYOR	SCOPE OF WORK- BELT WIDTH-650 MM LENGTH-40 MTR 1-LOCKING OF COUNTER,WEIGHT BOX. 2-REMOVAL OF OLD BELT. 3-CLEANING OF CARRYING AND RETURN,IDLERS AND MADE FREE IF REQUIRED REPLACED. 4-HEAD AND TAIL PULLEY,BEARING HOUSING CLEANING AND GREASING. 5-SHIFTING OF NEW BELT FROM STORE,TO SITE. 6-LAYING OF NEW BELT. 7-ASSIST TO HOT VULCANIZING AND SHIFTING,PLYWOOD,MACHINE,CLAMPING ETC. 8-AFTER HOT VULCANIZING RELEASED THE,LOCKING CLAMP. 9-LOWERING THE COUNTER WEIGHT BOX. 10-TRAIL OF BELT,CONVEYOR AND ALIGNMENT. 11-SHIFTING OF OLD BELT TO SCRAP YARD WITH,PROPER ROLLING. 12-HOUSE KEEPING OF AREA AFTER COMPLETION OF WORK.,13-USE ALLY SAFETY PPE DURING THE JOB. 14-FOLLOW THE INSTRUCTION OF,DFPCL ENGINEER AND WORK UP TO THE MARK OF HIS SATISFACTION LEVEL.	EA
128	1003276	REPLACE BELT OF H-471 CONVEYOR	SCOPE OF WORK- BELT WIDTH-900 MM LENGTH-45 MTR 1-LOCKING OF COUNTER,WEIGHT BOX. 2-REMOVAL OF OLD BELT. 3-CLEANING OF CARRYING AND RETURN,IDLERS AND MADE FREE IF REQUIRED REPLACED. 4-HEAD AND TAIL PULLEY,BEARING HOUSING CLEANING AND GREASING. 5-SHIFTING OF NEW BELT FROM STORE,TO SITE. 6-LAYING OF NEW BELT. 7-ASSIST TO HOT VULCANIZING AND SHIFTING,PLYWOOD,MACHINE,CLAMPING ETC. 8-AFTER HOT VULCANIZING RELEASED THE,LOCKING CLAMP. 9-LOWERING THE COUNTER WEIGHT BOX. 10-TRAIL OF BELT,CONVEYOR AND ALIGNMENT. 11-SHIFTING OF OLD BELT TO SCRAP YARD WITH,PROPER ROLLING. 12-HOUSE KEEPING OF AREA AFTER COMPLETION OF WORK.,13-USE ALLY SAFETY PPE DURING THE JOB. 14-FOLLOW THE INSTRUCTION OF,DFPCL ENGINEER AND WORK UP TO THE MARK OF HIS SATISFACTION LEVEL.	EA

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129	1003277	REPLACE BELT OF H-472 CONVEYOR	SCOPE OF WORK- BELT WIDTH-650 MM LENGTH-45 MTR 1-LOCKING OF COUNTER,WEIGHT BOX. 2-REMOVAL OF OLD BELT. 3-CLEANING OF CARRYING AND RETURN,IDLERS AND MADE FREE IF REQUIRED REPLACED. 4-HEAD AND TAIL PULLEY,BEARING HOUSING CLEANING AND GREASING. 5-SHIFTING OF NEW BELT FROM STORE,TO SITE. 6-LAYING OF NEW BELT. 7-ASSIST TO HOT VULCANIZING AND SHIFTING,PLYWOOD,MACHINE,CLAMPING ETC. 8-AFTER HOT VULCANIZING RELEASED THE,LOCKING CLAMP. 9-LOWERING THE COUNTER WEIGHT BOX. 10-TRAIL OF BELT,CONVEYOR AND ALIGNMENT. 11-SHIFTING OF OLD BELT TO SCRAP YARD WITH,PROPER ROLLING. 12-HOUSE KEEPING OF AREA AFTER COMPLETION OF WORK.,13-USE ALLY SAFETY PPE DURING THE JOB. 14-FOLLOW THE INSTRUCTION OF,DFPCL ENGINEER AND WORK UP TO THE MARK OF HIS SATISFACTION LEVEL.	EA
130	1003278	REPLACE BELT OF H-473 CONVEYOR	SCOPE OF WORK- BELT WIDTH-650 MM LENGTH-20 MTR 1-LOCKING OF COUNTER,WEIGHT BOX. 2-REMOVAL OF OLD BELT. 3-CLEANING OF CARRYING AND RETURN,IDLERS AND MADE FREE IF REQUIRED REPLACED. 4-HEAD AND TAIL PULLEY,BEARING HOUSING CLEANING AND GREASING. 5-SHIFTING OF NEW BELT FROM STORE,TO SITE. 6-LAYING OF NEW BELT. 7-ASSIST TO HOT VULCANIZING AND SHIFTING,PLYWOOD,MACHINE,CLAMPING ETC. 8-AFTER HOT VULCANIZING RELEASED THE,LOCKING CLAMP. 9-LOWERING THE COUNTER WEIGHT BOX. 10-TRAIL OF BELT,CONVEYOR AND ALIGNMENT. 11-SHIFTING OF OLD BELT TO SCRAP YARD WITH,PROPER ROLLING. 12-HOUSE KEEPING OF AREA AFTER COMPLETION OF WORK.,13-USE ALLY SAFETY PPE DURING THE JOB. 14-FOLLOW THE INSTRUCTION OF,DFPCL ENGINEER AND WORK UP TO THE MARK OF HIS SATISFACTION LEVEL.	EA
131	1003279	REPLACE BELT OF H-475B CONVEYOR	SCOPE OF WORK- BELT WIDTH-650 MM LENGTH-50 MTR 1-LOCKING OF COUNTER,WEIGHT BOX. 2-REMOVAL OF OLD BELT. 3-CLEANING OF CARRYING AND RETURN,IDLERS AND MADE FREE IF REQUIRED REPLACED. 4-HEAD AND TAIL PULLEY,BEARING HOUSING CLEANING AND GREASING. 5-SHIFTING OF NEW BELT FROM STORE,TO SITE. 6-LAYING OF NEW BELT. 7-ASSIST TO HOT VULCANIZING AND SHIFTING,PLYWOOD,MACHINE,CLAMPING ETC. 8-AFTER HOT VULCANIZING RELEASED THE,LOCKING CLAMP. 9-LOWERING THE COUNTER WEIGHT BOX. 10-TRAIL OF BELT,CONVEYOR AND ALIGNMENT. 11-SHIFTING OF OLD BELT TO SCRAP YARD WITH,PROPER ROLLING. 12-HOUSE KEEPING OF AREA AFTER COMPLETION OF WORK.,13-USE ALLY SAFETY PPE DURING THE JOB. 14-FOLLOW THE INSTRUCTION OF,DFPCL ENGINEER AND WORK UP TO THE MARK OF HIS SATISFACTION LEVEL.	EA

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132	1003280	REPLACE BELT OF H-476 CONVEYOR	SCOPE OF WORK- BELT WIDTH-650 MM LENGTH-40 MTR 1-LOCKING OF COUNTER,WEIGHT BOX. 2-REMOVAL OF OLD BELT. 3-CLEANING OF CARRYING AND RETURN,IDLERS AND MADE FREE IF REQUIRED REPLACED. 4-HEAD AND TAIL PULLEY,BEARING HOUSING CLEANING AND GREASING. 5-SHIFTING OF NEW BELT FROM STORE,TO SITE. 6-LAYING OF NEW BELT. 7-ASSIST TO HOT VULCANIZING AND SHIFTING,PLYWOOD,MACHINE,CLAMPING ETC. 8-AFTER HOT VULCANIZING RELEASED THE,LOCKING CLAMP. 9-LOWERING THE COUNTER WEIGHT BOX. 10-TRAIL OF BELT,CONVEYOR AND ALIGNMENT. 11-SHIFTING OF OLD BELT TO SCRAP YARD WITH,PROPER ROLLING. 12-HOUSE KEEPING OF AREA AFTER COMPLETION OF WORK.,13-USE ALLY SAFETY PPE DURING THE JOB. 14-FOLLOW THE INSTRUCTION OF,DFPCL ENGINEER AND WORK UP TO THE MARK OF HIS SATISFACTION LEVEL.	EA
133	1003282	REPLACE BELT OF H-480 CONVEYOR	SCOPE OF WORK- BELT WIDTH-650 MM LENGTH-75 MTR 1-LOCKING OF COUNTER,WEIGHT BOX. 2-REMOVAL OF OLD BELT. 3-CLEANING OF CARRYING AND RETURN,IDLERS AND MADE FREE IF REQUIRED REPLACED. 4-HEAD AND TAIL PULLEY,BEARING HOUSING CLEANING AND GREASING. 5-SHIFTING OF NEW BELT FROM STORE,TO SITE. 6-LAYING OF NEW BELT. 7-ASSIST TO HOT VULCANIZING AND SHIFTING,PLYWOOD,MACHINE,CLAMPING ETC. 8-AFTER HOT VULCANIZING RELEASED THE,LOCKING CLAMP. 9-LOWERING THE COUNTER WEIGHT BOX. 10-TRAIL OF BELT,CONVEYOR AND ALIGNMENT. 11-SHIFTING OF OLD BELT TO SCRAP YARD WITH,PROPER ROLLING. 12-HOUSE KEEPING OF AREA AFTER COMPLETION OF WORK.,13-USE ALLY SAFETY PPE DURING THE JOB. 14-FOLLOW THE INSTRUCTION OF,DFPCL ENGINEER AND WORK UP TO THE MARK OF HIS SATISFACTION LEVEL.	EA

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134	1003283	REPLACE CHAIN OF ELEVATOR H474	<p>SCOPE OF WORK- 1-NOS OF BUCKETS----- 82 NOS,2-CHAIN LENGTH-- ----- -60 MTR 3-BUCKET SIZE(TO BE,INSTALLED)----- -400mmX280mm 1. OPENING OF BOOT COVERS, TOP,COVER &lt;(&gt;&amp;&lt;)&gt; INSPECTION DOORS. 2. RELEASING OF CHAIN TENSION. 3.,OPENING OF CHAIN LINKS BY GAS CUTTING. 4. REMOVAL OF CHAIN AND BUCKETS,(82 NOS OF BUCKETS) 5. DISMANTLING OF BUCKET FROM OLD CHAIN.TOTAL CHAIN,LENGTH - 60 MTR 6. INSTALLATION OF NEW CHAIN &lt;(&gt;&amp;&lt;)&gt; JOINTING. 7.,FIXING OF BUCKET ON NEW CHAIN - 82 NOS. 8 FABRICATION &lt;(&gt;&amp;&lt;)&gt; FIXING,OF BUCKET ELEVATOR TAKE UP ASSEMBLY AS PER SCOPE OF DFPCL FOR,MODIFIED ARRANGEMENT OF CHAIN TENSIONING 9 FIXING OF TAKE UP,SHAFTASSEMBLY IN POSITION ALONGWITH THE NEW BEARINGS 10,STRENGTHINING OF HEAD SHAFT MOUNTING STRUCTURE AS PER INSTRUCTIONS,GIVEN BY DFPCL ENGG 11. PROVIDING TENSION &lt;(&gt;&amp;&lt;)&gt; RECOMMISSIONING. 12.,BOXING UP OF COVERS &lt;(&gt;&amp;&lt;)&gt; INSPECTION DOORS. 13. GREASING OF BEARINGS,AT TOP AS WELL AS AT THE BOTTOM SHAFT. 14. RETURNING OF BALANCE CHAIN TO,STORES /WORKSHOP. 15. SHIFTING OF REMOVED CHAINS AND SCHAKLES TO SCRAP,YARD AS DESIGNATED BY DFPCL. 16. HOUSEKEEPING OF AREA AFTER,COMPLETION OF JOB. DFPCL'S SCOPE OF WORK:- 1-POWER, WATER SUPPLIED BY,DFPCL. 2-REQUIRED CHAIN/FASTNERS/BEARINGS FOR REPLACEMENT OF THE SAME.,3-REQUIRED SAFETY PERMITS TO CARRYOUT THE JOB. 4-LIGHTING ARRANGEMENT IF,REQUIRED. CONTRACTORS SCOPE OF WORK:- 1-CONTRACTOR TO CARRY OUT THE WORK,ON ROUND THE CLOCK BASIS 2-ALL PERSONS SHALL WORK UNDER FULL SAFETY,PRECAUTIONS 3- CONTRACTOR SHALL PROVIDE SKILLED MANPOWER FOR CARRYING OUT,THE JOB. 4-CONTRACTOR TO PROVIDE COMPETENT SUPERVISOR ON ROUND THE CLOCK,BASIS FOR WHILE CARRYING OUT THE JOB. 5-CONTRACTOR TO PROVIDE THE,REQUIRED TOOLS AND TACKLES AS WELL AS LIFTING EQUIPMENTS FOR,SUCCESSFULLY COMPLETION OF JOB.</p>	EA
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135	1003284	REPLACE CHAIN OF ELEVATOR H477	<p>SCOPE OF WORK- 1-NOS OF BUCKETS----- 108 NOS,2-CHAIN LENGTH-- ----- 80 MTR 3-BUCKET SIZE(TO BE,INSTALLED)-----400mmX280mm</p> <p>1. OPENING OF BOOT COVERS, TOP,COVER &lt;(&gt;&amp;&lt;)&gt; INSPECTION DOORS. 2. RELEASING OF CHAIN TENSION. 3.,OPENING OF CHAIN LINKS BY GAS CUTTING. 4. REMOVAL OF CHAIN AND BUCKETS,(108 NOS OF BUCKETS) 5. DISMANTLING OF BUCKET FROM OLD CHAIN.TOTAL,CHAIN LENGTH - 80 MTR. 6. INSTALLATION OF NEW CHAIN &lt;(&gt;&amp;&lt;)&gt; JOINTING.,7. FIXING OF BUCKET ON NEW CHAIN - 108 NOS. 8 FABRICATION &lt;(&gt;&amp;&lt;)&gt;,FIXING OF BUCKET ELEVATOR TAKE UP ASSEMBLY AS PER SCOPE OF DFPCL FOR,MODIFIED ARRANGEMENT OF CHAIN TENSIONING 9 FIXING OF TAKE UP,SHAFTASSEMBLY IN POSITION ALONGWITH THE NEW BEARINGS 10,STRENGTHINING OF HEAD SHAFT MOUNTING STRUCTURE AS PER INSTRUCTIONS,GIVEN BY DFPCL ENGG 11. PROVIDING TENSION &lt;(&gt;&amp;&lt;)&gt; RECOMMISSIONING. 12.,BOXING UP OF COVERS &lt;(&gt;&amp;&lt;)&gt; INSPECTION DOORS. 13. GREASING OF BEARINGS,AT TOP AS WELL AS AT THE BOTTOM SHAFT. 14. RETURNING OF BALANCE CHAIN TO,STORES /WORKSHOP. 15. SHIFTING OF REMOVED CHAINS AND SCHAKLES TO SCRAP,YARD AS DESIGNATED BY DFPCL. 16. HOUSEKEEPING OF AREA AFTER,COMPLETION OF JOB. DFPCL'S SCOPE OF WORK:- 1-POWER, WATER SUPPLIED BY,DFPCL. 2-REQUIRED CHAIN/FASTNERS/BEARINGS FOR REPLACEMENT OF THE SAME.,3-REQUIRED SAFETY PERMITS TO CARRYOUT THE JOB. 4-LIGHTING ARRANGEMENT IF,REQUIRED. CONTRACTORS SCOPE OF WORK:- 1-CONTRACTOR TO CARRY OUT THE WORK,ON ROUND THE CLOCK BASIS 2-ALL PERSONS SHALL WORK UNDER FULL SAFETY,PRECAUTIONS 3- CONTRACTOR SHALL PROVIDE SKILLED MANPOWER FOR CARRYING OUT,THE JOB. 4-CONTRACTOR TO PROVIDE COMPETENT SUPERVISOR ON ROUND THE CLOCK,BASIS FOR WHILE CARRYING OUT THE JOB. 5-CONTRACTOR TO PROVIDE THE,REQUIRED TOOLS AND TACKLES AS WELL AS LIFTING EQUIPMENTS FOR,SUCCESSFULLY COMPLETION OF JOB.</p>	EA
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136	1003285	REPLACE CHAIN OF ELEVATOR H478	<p>SCOPE OF WORK- 1-NOS OF BUCKETS----- 82 NOS,2-CHAIN LENGTH-- ----- 60 MTR 3-BUCKET SIZE(TO BE,INSTALLED)----- 400mmX280mm</p> <p>1. OPENING OF BOOT COVERS, TOP,COVER &lt;(&gt;&amp;&lt;)&gt; INSPECTION DOORS. 2. RELEASING OF CHAIN TENSION. 3.,OPENING OF CHAIN LINKS BY GAS CUTTING. 4. REMOVAL OF CHAIN AND BUCKETS,(82 NOS OF BUCKETS) 5. DISMANTLING OF BUCKET FROM OLD CHAIN.TOTAL CHAIN,LENGTH - 60 MTR. 6. INSTALLATION OF NEW CHAIN &lt;(&gt;&amp;&lt;)&gt; JOINTING. 7.,FIXING OF BUCKET ON NEW CHAIN - 82 NOS. 8 FABRICATION &lt;(&gt;&amp;&lt;)&gt; FIXING,OF BUCKET ELEVATOR TAKE UP ASSEMBLY AS PER SCOPE OF DFPCL FOR,MODIFIED ARRANGEMENT OF CHAIN TENSIONING 9 FIXING OF TAKE UP,SHAFTASSEMBLY IN POSITION ALONGWITH THE NEW BEARINGS 10,STRENGTHINING OF HEAD SHAFT MOUNTING STRUCTURE AS PER INSTRUCTIONS,GIVEN BY DFPCL ENGG 11. PROVIDING TENSION &lt;(&gt;&amp;&lt;)&gt; RECOMMISSIONING. 12.,BOXING UP OF COVERS &lt;(&gt;&amp;&lt;)&gt; INSPECTION DOORS. 13. GREASING OF BEARINGS,AT TOP AS WELL AS AT THE BOTTOM SHAFT. 14. RETURNING OF BALANCE CHAIN TO,STORES /WORKSHOP. 15. SHIFTING OF REMOVED CHAINS AND SCHAKLES TO SCRAP,YARD AS DESIGNATED BY DFPCL. 16. HOUSEKEEPING OF AREA AFTER,COMPLETION OF JOB. DFPCL'S SCOPE OF WORK:- 1-POWER, WATER SUPPLIED BY,DFPCL. 2-REQUIRED CHAIN/FASTNERS/BEARINGS FOR REPLACEMENT OF THE SAME.,3-REQUIRED SAFETY PERMITS TO CARRYOUT THE JOB. 4-LIGHTING ARRANGEMENT IF,REQUIRED. CONTRACTORS SCOPE OF WORK:- 1-CONTRACTOR TO CARRY OUT THE WORK,ON ROUND THE CLOCK BASIS 2-ALL PERSONS SHALL WORK UNDER FULL SAFETY,PRECAUTIONS 3- CONTRACTOR SHALL PROVIDE SKILLED MANPOWER FOR CARRYING OUT,THE JOB. 4-CONTRACTOR TO PROVIDE COMPETENT SUPERVISOR ON ROUND THE CLOCK,BASIS FOR WHILE CARRYING OUT THE JOB. 5-CONTRACTOR TO PROVIDE THE,REQUIRED TOOLS AND TACKLES AS WELL AS LIFTING EQUIPMENTS FOR,SUCCESSFULLY COMPLETION OF JOB. TIME SCHEDULE:- CONTRACTOR TO WORK ON,ROUND THE CLOCK BASIS AND COMPLETE THE WORK WITHIN TWO DAYS.</p>	EA
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137	1003286	REPLACE CHAIN OF ELEVATOR H793/12	SCOPE OF WORK- 1-NOS OF BUCKETS----- 64 NOS 2-NOS,OF CHAIN LINK-----126 NOS 1. OPENING OF BOOT,COVERS, TOP COVER <(>&<)> INSPECTION DOORS. 2. RELEASING OF CHAIN,TENSION. 3. OPENING OF CHAIN LINKS, 126NOS OF CHAIN LINKS. 4. REMOVAL,OF CHAIN ALONGWITH SCHAKLES AND BUCKETS (64NOS OF BUCKETS). 5.,DISMANTLING OF BUCKET FROM OLD CHAIN. 6. INSTALLATION OF NEW CHAIN,<(>&<)> JOINTING. 7. FIXING OF BUCKET ON NEW CHAIN - 64 NOS. 8.,PROVIDING TENSION <(>&<)> RECOMMISSIONING. 9. BOXING UP OF COVERS,<(>&<)> INSPECTION DOORS. 10. GREASING OF BEARINGS AT TOP AS WELL AS AT,THE BOTTOM SHAFT. 11. RETURNING OF BALANCE CHAIN TO STORES /WORKSHOP.,12. SHIFTING OF REMOVED CHAINS AND SCHAKLES TO SCRAP YARD AS,DESIGNATED BY DFPCL. 13. HOUSEKEEPING OF AREA AFTER COMPLETION,OF JOB. DFPCL'S SCOPE OF WORK:- 1-POWER, WATER SUPPLIED BY DFPCL.,2-REQUIRED CHAIN AND SCHAKLES FOR REPLACEMENT OF THE SAME. 3-REQUIRED,SAFETY PERMITS TO CARRYOUT THE JOB. CONTRACTORS SCOPE OF WORK:-,1-CONTRACTOR TO CARRY OUT THE WORK ON ROUND THE CLOCK BASIS 2-ALL,PERSONS SHALL WORK UNDER FULL SAFETY PRECAUTIONS 3-CONTRACTOR SHALL,PROVIDE SKILLED MANPOWER FOR CARRYING OUT THE JOB. 4-CONTRACTOR TO,PROVIDE COMPETENT SUPERVISOR ON ROUND THE CLOCK BASIS FOR WHILE CARRYING,OUT THE JOB. 5-CONTRACTOR TO PROVIDE THE REQUIRED TOOLS AND TACKLES AS,WELL AS LIFTING EQUIPMENTS FOR SUCCESSFULLY COMPLETION OF JOB. TIME,SCHEDULE:- CONTRACTOR TO WORK ON ROUND THE CLOCK BASIS AND COMPLETE THE,WORK WITHIN THREE DAYS.	EA
138	1003288	REPLACEMENT OF AG313 GEAR BOX	SCOPE OF WORK- 1-REMOVAL OF V-BELT <(>&<)> BELT GUARD FROM POSITION .,2-OPENING OF COUPLING BOLTS TO BE DONE. 3-REMOVAL OF GEAR BOX FROM,POSITION AT TOP FLOOR AND SHIFTING TO WORKSHOP. 4-SHIFTING OF NEW GEAR,BOX FROM STORE TO PLANT AND SHIFTING TO POSITION. 5-CRANE REQUIRED FOR,LIFTING OF GEAR BOX FROM GROUND FLOOR TO 3RD FLOOR WILL BE PROVIDED BY,DFPCL. 6-MANPOWER ASSISTANCE REQUIRED FOR REMOVAL OF COUPLING AND V-BELT,PULLEY FROM OLD GEAR BOX AND FITTING AT NEW GEAR BOX . 7-ERECTION OF,GEAR BOX AT POSITION AND COUPLING TO BE DONE. 8-MANPOWER ASSISTANCE TO,BE PROVIDED FOR ALIGNMENT OF MOTOR AND GEAR BOX AND FITTING OF V-BELT,9-INSTALLATION OF BELT GUARD TO BE DONE. 10-HOUSEKEEPING OF AREA TO BE,DONE AFTER JOBS COMPLETION. 11-ALL TOOLS AND TACKLES,CHAIN PULLEY BLOCKS,ETC.WILL BE PROVIDED BY CONTRACTOR TO CARRY OUT THE JOBS 12-ALL PPE TO,BE PROVIDED BY CONTRACTOR.	EA
139	1003291	PROCESS DRAIN VLV NOZZLE FLANGES REPLACE	PROCESS DRAIN VALVE NOZZLE FLANGES REPLACEMENT OF E-207 <(>&<)> 209,MOC: SS 304L, Size: 1"x300# Removal of process drain valves.,Cutting of old nozzle flanges TIG welding of new flanges DPT to be done,of all welding joints <(>&<)> approved by job co-ordinator Box up of, valves	EA
140	1003292	PROCESS DRAIN VLV NOZZLE FLANGE REPLACE	PROCESS DRAIN VALVE NOZZLE FLANGES REPLACEMENT OF E-204 MOC: SS,304L, Size: 1"x300# 1)Removal of process drain valves. 2)Cutting of old,nozzle flanges 3)TIG welding of new flanges 4)DPT to be done of all,welding joints <(>&<)> approved by job co-ordinator 5)Box up of valves,6)Opening of manhole. 7)DPT of nozzle to be done after manentry <(>&<)>,rectified by replacement of nozzle if problem found 8)Box up of manhole	EA

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141	1003293	SUPERHEATER MANHOLE GSKT REPLACE	SUPERHEATER MANHOLE GASKET REPLACEMENT Size: 14"x 150# Nozzle, studs removed. Gasket replaced with new one. Manhole cover box up to be, done	EA
142	1003294	REM&INST OF VAP AMM CANDLES DNA-3	Removal and installation of Vapour Ammonia Candles of WNA-III, Plant for cleaning. 1) Opening of outlet line flange joint (Size: 150mm, OD) and main flange joint (Size: 600 mm OD) 2) Removal of dome (Wt-0.2, ton) 3) Removal of candle assembly from shell (Wt-50 kg) 4) Shifting of, filter candle assembly to cleaning tank on ground floor 5) Shifting of, filter candle assembly from cleaning tank on ground floor into the shell, 6) Erection of top dome with new gaskets <(>&<)> tightening of studs, 7) Hot tightening after plant start up Contractor's scope: Consumables, required Issuing of gasket from store <(>&<)> shifting it to site., Cleaning of faces	LE

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143	1003295	HE98 OPEN & BOX UP JOB	<p>1)GENERAL : 1.1This requisition requires the Contractor to open and box up the heat exchanger HE98, For tube plugging / hydro blasting job. 02),REFERENCE : 2.1DFPCL Drg. No.IM/HE/607 3)SCOPE OF WORK : HEAT,EXCHANGER DOME OPENING AND BOX UP ACTIVITY 3.1Opening of cooling water,lines of west side dome cover 10#X150#-3nos flanges. 3.2Removal of,cooling water return line 10#Sch40 # 4m long with crane and unloading it,to ground. 3.3Opening of channel vent and drain of east side dome,2#X150# - 2nos. 3.4Opening of dome covers of both ends. 1.6m dia X150# -,2nos.(One time or two times as per requirement) 3.5Removal of both the,dome covers with crane and shifting it to ground. 3.6Opening of flanges,of valves on propylene gas inlet side 12#X300# -1nos &lt;(&gt;&amp;&lt;)&gt; outlet side,8#X300#-1nos and slip blinding it for leak checking. 3.7Removal of,propylene gas inlet valve 12#X300-1nos and outlet valve 8#X300#-1nos and,shifting them to ground with help of crane. 3.8Hand over the heat,exchanger for hydroblasting. 3.9 After hydroblasting hydrotesting to be,done. Hydrotesting will be in the contractors scope. 3.10Shifting of, valves from ground and box up of propylene gas inlet valve 12#X300-1nos,and outlet valve 8#X300#-1nos. 3.11Shifting of dome covers of both ends,1.6m dia X150# - 2nos from ground to top with crane and box up with,proper gasket supplied by DFPCL. 3.12Shifting of cooling water return,line 10#Sch40 # 4m long with crane to top platform and box up of,10#X150# -3nos flanges of water lines with new gaskets. 3.13Box up of,channel vent and drain of east side dome 2#X150# - 2nos. 3.14Hand over,the heat exchanger for final leak testing with nitrogen. 3.15Arresting,of leakage if any. TUBE PLUGGING ACTIVITY 3.16Plugging of identified,tube with plug size 15.5mm OD. 3.17Welding of plugs to tube sheet. DP,test of welded plug. 3.18Welding rod shall be E7018 and rod preservation,to be done as per Annexure # 1 3.19Welding to be done by ARC welding.,4)DFPCL SCOPE : 4.1All required gaskets, stud-bolts. 4.2Dye penetrant,test material. 4.3Water, power. 5)CONTRACTORS SCOPE: 5.1Contractor to,maintain its supervisor at site for the job when ever their activity is,in progress. 5.2The supervisor shall coordinate with DFPCL supervisor,for job details and further problems associated with jobs. 5.3Arrange,for all the necessary manpower required for the job. 5.4Arrange for,welder record at site. 5.5Ensure welding to be carried out by proper,welder. 5.6Welding machine, welding rods and its accessories shall be,arranged by the contractor. 5.7Maintain welding rods oven in workshop,and baby oven at site for the job. 5.8Scaffolding where ever required.,5.9 hydrotesting to be done. 5.10 Crane ,Hydra to be arranged by,contractor for this job. 5.11 Hydrotesting will be in contractors scope.,All equipments and fittings required for the hydrotest will be provided,by the contractor. 6)TIME PERIOD : 5.1Job to be carried on round the,clock basis till the job is completed and certified by DFPCL.,7)INSPECTION : 6.1Inspection will be done by DFPCL. 8)MODE OF QUOTATION,: 7.1 Contractor should quote lumpsum for entire job. 08) SAFETY : 8.1,All persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions using,safety helmets, safety belts, safety shoes, handgloves, goggles etc. as,required. 09) HOUSEKEEPING : 9.1 Contractor shall do housekeeping and,shall remove all unwanted materials from the work site immediately after,completion of work. Housekeeping shall also be done in between the work,to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy. 25% of bill value will be,deducted if housekeeping is not done properly. 10) BILL : 10.1 Bill,to be submitted within 7 days after completion of the job. ANNEXURE # 1,WELDING ROD HEATING PROCEDURE The welding rods shall be heated to 150deg,for 2 hours and shall be soaked at 100 deg c in baby oven at site of,welding..</p>	EA
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**I/We confirm having accepted all the terms as mentioned above.**

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144	1003296	HE98 OPEN & BOX UP JOB	<p>1)GENERAL : 1.1This requisition requires the Contractor to open and box up the heat exchanger HE98, For tube plugging / hydro blasting job. 02),REFERENCE : 2.1DFPCL Drg. No.IM/HE/607 3)SCOPE OF WORK : HEAT,EXCHANGER DOME OPENING AND BOX UP ACTIVITY 3.1Opening of cooling water,lines of west side dome cover 10#X150#-3nos flanges. 3.2Removal of,cooling water return line 10#Sch40 # 4m long with crane and unloading it,to ground. 3.3Opening of channel vent and drain of east side dome,2#X150# - 2nos. 3.4Opening of dome covers of both ends. 1.6m dia X150# -,2nos.(One time or two times as per requirement) 3.5Removal of both the,dome covers with crane and shifting it to ground. 3.6Opening of flanges,of valves on propylene gas inlet side 12#X300# -1nos &lt;(&gt;&amp;&lt;)&gt; outlet side,8#X300#-1nos and slip blinding it for leak checking. 3.7Removal of,propylene gas inlet valve 12#X300-1nos and outlet valve 8#X300#-1nos and,shifting them to ground with help of crane. 3.8Hand over the heat,exchanger for hydroblasting. 3.9 After hydroblasting hydrotesting to be,done. Hydrotesting will be in the contractors scope. 3.10Shifting of,valves from ground and box up of propylene gas inlet valve 12#X300-1nos,and outlet valve 8#X300#-1nos. 3.11Shifting of dome covers of both ends,1.6m dia X150# - 2nos from ground to top with crane and box up with,proper gasket supplied by DFPCL. 3.12Shifting of cooling water return,line 10#Sch40 # 4m long with crane to top platform and box up of,10#X150# -3nos flanges of water lines with new gaskets. 3.13Box up of,channel vent and drain of east side dome 2#X150# - 2nos. 3.14Hand over,the heat exchanger for final leak testing with nitrogen. 3.15Arresting,of leakage if any. TUBE PLUGGING ACTIVITY 3.16Plugging of identified,tube with plug size 15.5mm OD. 3.17Welding of plugs to tube sheet. DP,test of welded plug. 3.18Welding rod shall be E7018 and rod preservation,to be done as per Annexure # 1 3.19Welding to be done by ARC welding.,4)DFPCL SCOPE : 4.1All required gaskets, stud-bolts. 4.2Dye penetrant,test material. 4.3Water, power. 5)CONTRACTORS SCOPE: 5.1Contractor to,maintain its supervisor at site for the job when ever their activity is,in progress. 5.2The supervisor shall coordinate with DFPCL supervisor,for job details and further problems associated with jobs. 5.3Arrange,for all the necessary manpower required for the job. 5.4Arrange for,welder record at site. 5.5Ensure welding to be carried out by proper,welder. 5.6Welding machine, welding rods and its accessories shall be,arranged by the contractor. 5.7Maintain welding rods oven in workshop,and baby oven at site for the job. 5.8Scaffolding where ever required.,5.9 hydrotesting to be done. 5.10 Crane ,Hydra to be arranged by,contractor for this job. 5.11 Hydrotesting will be in contractors scope.,All equipments and fittings required for the hydrotest will be provided,by the contractor. 6)TIME PERIOD : 5.1Job to be carried on round the,clock basis till the job is completed and certified by DFPCL.,7)INSPECTION : 6.1Inspection will be done by DFPCL. 8)MODE OF QUOTATION,: 7.1 Contractor should quote lumpsum for entire job. 08) SAFETY : 8.1,All persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions using,safety helmets, safety belts, safety shoes, handgloves, goggles etc. as,required. 09) HOUSEKEEPING : 9.1 Contractor shall do housekeeping and,shall remove all unwanted materials from the work site immediately after,completion of work. Housekeeping shall also be done in between the work,to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy. 25% of bill value will be,deducted if housekeeping is not done properly. 10) BILL : 10.1 Bill,to be submitted within 7 days after completion of the job. ANNEXURE # 1,WELDING ROD HEATING PROCEDURE The welding rods shall be heated to 150deg,for 2 hours and shall be soaked at 100 deg c in baby oven at site of,welding..</p>	EA
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145	1003297	HE95A OPEN & BOX UP JOB	<p>1)GENERAL : 1.1This requisition requires the Contractor to make, arrangement for Opening &lt;(&gt;&amp;&lt;)&gt; Boxing up of exchanger for Cleaning/Tube, plugging &lt;(&gt;&amp;&lt;)&gt; Hydrotesting. HE 95 A. DOME WEIGHT 2.5 TON 02) SCOPE OF, WORK: 2.1 Blinding of exchanger.(16"x300" 4no.18"X300"2NO 2"X300" 2NO),2.2 Hydro testing arrangement to be made &lt;(&gt;&amp;&lt;)&gt; fixed at the proper, position. 2.3 Carryout hydrotest of exchanger. 2.4 After getting, clearance from process dept. all the blinds to be removed &lt;(&gt;&amp;&lt;)&gt;, flanges to be normalized with new gaskets. 2.5 All flanges to be, normalized. 2.6 All kinds of hydro testing arrangements to be removed.,2.7 Hand over the heat exchanger for final leak testing with nitrogen.,2.8 Arresting of leakage by plug welding then hydrotest,&lt;(&gt;&amp;&lt;)&gt;normalising 2.9 Shade to be prepared by contractor due to prallel, activity of he-98 4)DFPCL SCOPE : 4.1All required gaskets, stud-bolts.,4.2Dye penetrate test material. 4.3Water, power. 5)CONTRACTORS SCOPE:;5.1Contractor to maintain its supervisor at site for the job when ever, their activity is in progress. 5.2The supervisor shall coordinate with,DFPCL supervisor for job details and further problems associated with,jobs. 5.3Arrange for all the necessary manpower required for the job.,5.4Scaffolding where ever required. 5.5 Welding m/c hydra crane all,resources to execute the job 5.6 6)TIME PERIOD : 4days 5.1Job to be,carried on round the clock basis till the job is completed and certified,by DFPCL. 7)INSPECTION : 7.1Inspection will be done by DFPCL</p>	EA
146	1003298	HE95B OPEN & BOX UP JOB	<p>1)GENERAL : 1.1This requisition requires the Contractor to make, arrangement for Opening &lt;(&gt;&amp;&lt;)&gt; Boxing up of exchanger for Cleaning,,Tube plugging &lt;(&gt;&amp;&lt;)&gt; Hydrotesting job of exchanger HE-95B ( DOME,SIZE-1520MM WEIGHT -1.5TON 02) SCOPE OF WORK: 2.1 Blinding of ex,changer.( 16"x300# 4no 4"x300# 2no) 2.2 Hydro testing arrangement to be made &lt;(&gt;&amp;&lt;)&gt; fixed at the proper position. 2.3 Carryout,hydrotest of exchanger. 2.4 After getting clearance from process dept.,all the blinds to be removed &lt;(&gt;&amp;&lt;)&gt; flanges to be normalized with new,gaskets. 2.5 All flanges to be normalized. 2.6 All kinds of hydro,testing arrangements to be removed. 2.7 Hand over the heat exchanger for,final leak testing with nitrogen. 2.8 Arresting of leakage by plugging,then normalisation 2.9 Shell side as well as dome side gasket to be,replaced with new gasket. 4)DFPCL SCOPE : 4.1All required gaskets,,stud-bolts. 4.2Dye penetrate test material. 4.3Water, power.,5)CONTRACTORS SCOPE: 5.1Contractor to maintain its supervisor at site,for the job when ever their activity is in progress. 5.2The supervisor,shall coordinate with DFPCL supervisor for job details and further,problems associated with jobs. 5.3Arrange for all the necessary manpower,required for the job. 5.4Scaffolding where ever required. 5.5Job to be,carried on round the clock basis till the job is completed and certified,by DFPCL. 6)TIME PERIOD : As per instruction of EIC 7)INSPECTION :;7.1Inspection will be done by DFPCL. 8)MODE OF QUOTATION : 8.1,Contractor should quote lump sum for entire job. 09) SAFETY: 9.1 All,persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions using safety,helmets, safety belts, safety shoes, hand gloves, goggles etc. as,required. 10) HOUSEKEEPING: 10.1 Contractor shall do housekeeping and,shall remove all unwanted materials from the work site immediately after,completion of work. Housekeeping shall also be done in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy. 25% of bill,value will be deducted if housekeeping is not done properly. 11) BILL:;11.1 Bill to be submitted within 7 days after completion of the job.</p>	EA

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147	1003300	CW PUMP STRAINER CLEAN	SCOPE OF WORK:- 1) Opening of 32" dia. flanges ( 2 Nos.) 2) Opening of,36" dia.flanges ( 2 Nos.) 3) Removal of spool piece. 4) Removal of, strainer for cleaning. 5) Box up of 32" dia. flanges ( 2 Nos.) 6) Box up, of 36" dia.flanges ( 2 Nos.) CONTRACTORS SCOPE: 1) Contractor to, maintain its supervisor at site for the job when ever their activity is, in progress. 2) The supervisor shall coordinate with DFPCL engineer for, job details and further problems associated with jobs. 3) Arrange for, all the necessary manpower required for the job. 4) Contractor shall, arrange all tools <(>&<)> tackles required for job. 5) Scaffolding, required shall be in contractors scope. TIME PERIOD : Job to be, carried on round the clock basis till the job is completed and certified, by DFPCL. SAFETY : All persons shall work under full safety <(>&<)>, precautions using safety helmets, safety belts, safety shoes, handgloves, goggles etc. as required. HOUSEKEEPING : Contractor shall, do housekeeping and shall remove all unwanted materials from the work, site immediately after completion of work. Housekeeping shall also be, done in between the work to keep the work area clean <(>&<)> tidy	EA
148	1003302	OPEN&BOXUP CONVERTOR CONE WNA-4	SCOPE OF WORK: ----- 1.WNA-4 CONVERTOR CONE REMOVAL <(>&<)>, BOX-UP AFTER INSPECTION APPROX. WEIGHT (2 TON) a) loosening of body, flange size :3496mm dia b) loosening of inlet flange-----700mm dia, c) Removal of cone and shifting aside on blocks d) removal of wiehted, rings 8 nos. e) inspection of basket. B) REMOVAL OF BASKET WITH HONEY, COMB GRATING AND NICHROME WIRE c) Box up of all the above after, inspection. d) Welding/ Cutting required if any shall be in Contractors, scope. CONTRACTORS SCOPE: 1) Contractor to maintain its supervisor at, site for the job when ever their activity is in progress. 2) The, supervisor shall coordinate with DFPCL engineer for job details and, further problems associated with jobs. 3) Arrange for all the necessary, manpower required for the job. 4) Contractor shall arrange all tools, <(>&<)> tackles required for job. TIME PERIOD : Job to be carried on, round the clock basis till the job is completed and certified by DFPCL., SAFETY : All persons shall work under full safety <(>&<)> precautions, using safety helmets, safety belts, safety shoes, handgloves, goggles, etc. as required. HOUSEKEEPING : Contractor shall do housekeeping and, shall remove all unwanted materials from the work site immediately after, completion of work. Housekeeping shall also be done in between the work, to keep the work area clean <(>&<)> tidy.	EA
149	1003303	OPEN & BOXUP OL ELBOW WNA-4	SCOPE OF WORK:- 1) Removal of Outlet elbow of weight approx. 800 kg. 2), Fix up of Boiler bottom blind if coil cleaning is required. 4) Removal, of Boiler bottom blind after cleaning. 3) Box up of outlet elbow., CONTRACTORS SCOPE: 1) Contractor to maintain its supervisor at site for, the job when ever their activity is in progress. 2) The supervisor shall, coordinate with DFPCL engineer for job details and further problems, associated with jobs. 3) Arrange for all the necessary manpower required, for the job. 4) All tools <(>&<)> tackles and required scaffolding shall, be in Contractors scope.	EA
150	1003305	D20303 TUBE LEAKAGE JOBS	Job involves- Opening of U tube end cover (approx 550mm ht x 250 mm wide, x 200 mm long x 12mm thk). Removal of connecting inlet and outlet lines, 4" 2500# (2 nos spool pieces). Welding of plugs after identification of, leaky tubes. Normalisation of connecting lines and U tube end cover.	EA

**The participating company's declaration:**

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151	1003306	CYCLOIL FILTER REPLACEMENT JOBS	Job involves removal of top cover of the cycoil filter, removal of flat, and conical filter elements, replacement of the removed filter elements,,Boxing up the top cover with new gasket. Scaffolding also to be provided,for the job.	EA
152	1003307	AIR INTERSTAGE STRAINERS O/B	Job involves opening and boxing up of 10" x 150# suction strainer Spool piece (02 flanges)of length 1 meter and 8	EA
153	1003309	D2 0317A/B END COVER OPENING	Opening <(>&<)> Boxing up of end covers of D20317 A <(>&<)> B,EXCHANGER,CES L.O.Cooler, Job involves- Opening and removal of end cover flanges,,size 20" x 34mm thk, at both ends of the exchanger,to facilitate tubes,cleaning. Job also includes Cleaning of gasket sealing surface, cleaning,of studs/ bolts / nuts, and Boxing up the end cover flanges with new,gaskets.	EA
154	1003311	D20320 Scavenging coolers Removal and re	Opening <(>&<)> Boxing up of D20320 A <(>&<)> B,SCAVENGING AIR COOLERS,OF CES A <(>&<)> B.Job involves- Removal of the coolers from position,after opening all connecting lines (approx. wieght 1000kg), dismantling,the coolers, cleaning of cooler fins with diesel/ solvent, Cleaning of,gasket sealing surface, cleaning of studs/ bolts / nuts, boxing up of,the coolers and reinsatllation in position, normalising all connecting,lines with new gaskets.	EA
155	1003312	D21001 A/B End covers opening	Opening <(>&<)> Boxing up of end covers of D21001 A <(>&<)> B,EXCHANGER,AMM REFRIGERANT CONDENSER. Job involves- Opening and removal of end,cover flanges, size 867 mm dia x 41.3mm thk on both ends of the,condenser, to facilitate tubes cleaning. Job also includes Cleaning of,gasket sealing surface, cleaning of studs/ bolts / nuts, and Boxing up,the end cover flanges.	EA
156	1003314	D20313 End covers opening	Opening <(>&<)> Boxing up of end covers of D20313 EXCHANGER AMM REFLUX,CONDENSER. Job involves- Opening of connecting lines (3" 150# 2 nos.),,Opening and removal of end cover domes (size 406 ID x 10 thk x 492 mm,length on one end and 406 ID x 10 thk x 589 mm length on the other,end)to facilitate tubes cleaning, Cleaning of gasket sealing surface on,the covers and shell, cleaning of studs/ bolts / nuts, and Boxing up the,end cover domes and normalising	EA
157	1003316	CT DFF TOP COVERS O/B	Scope of work Involves- Provide scffolding, Opening of Top cover, size,OD: 2300 MM x 60mm thk.Removal of strainer from line by opening 8",150# flanges, pipe length 750mm. Boxing up the above after cleaning of,gasket seating surface and cleaning of all bolts.	EA

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158	1003317	REM&INST OF Mixer FC Assy.WNA4	1) Removal of 28" bellow line .( 2 nos flange joints of 28" ) 2) Removal,of mix gas filter top dome ( Wt:- 1500 kg). 3) Removal of all old candle,filters. 4) Removal of Mix gas filter bottom blind for inside cleaning.,5) Replacement/ Cleaning of all old candle filters. 6) Fitting of all,new/ cleaned candle filters. 7) Cleaning of all mating surfaces. 8) Box,up of Top dome of mix gas filter. 9) Box up of top bellow line of 28",,10)Box up of bottom blind of Mix gas Filter. CONTRACTORS,SCOPE: 1) Contractor to maintain its supervisor at site for the job when,ever their activity is in progress. 2) The supervisor shall coordinate,with DFPCL engineer for job details and further problems associated with,jobs. 3) Arrange for all the necessary manpower required for the job. 4),Contractor shall arrange all tools <(>&<)> tackles required for job.,5)Scaffolding required shall be in contractors scope.	EA
159	1003318	REM&INST OF VAP AMM CANDLES WNA-4	1) Removal of 6 " spool piece of weight 100 kg. 2) Removal of Top dome,of Vapour ammonia filter of weight 200 kg. 3) Inspection / replacement,of candle filter as per process requirement. 4) Box up of top dome. 5),Box up of 6" spool piece.,CONTRACTORS,SCOPE: 1) Contractor to maintain its supervisor at site for the job when,ever their activity is in progress. 2) The supervisor shall coordinate,with DFPCL engineer for job details and further problems associated with,jobs. 3) Arrange for all the necessary manpower required for the job. 4),Contractor shall arrange all tools <(>&<)> tackles required for job.,5)Scaffolding required shall be in contractors scope.	EA
160	1003320	REPL OF 2ND BODY COMP ROTOR WNA-1/2	1. OPENING OF 2ND BODY CASING COVER AND SHIFTING NEAR OIL CONSOLE (4.5,MT). REMOVAL OF BEARING HOUSING. 2. REMOVAL OF 2ND BODY ROTOR AND,LOADING INTO TRUCK (800 KG) 3. CLEANING OF TOP, BOTTOM COVERS AND,BEARING HOUSING AND ALL INTERNALS. 4. UNLOADING OF 2D BODY ROTOR FROM,TRUCK AND ERECTION (800 KG) 5. FIXING BACK OF COVER OF 2ND BODY (4.5 MT),CONTRACTORS SCOPE: 1) Contractor to maintain its supervisor at site for,the job when ever their activity is in progress. 2) The supervisor shall,coordinate with DFPCL engineer for job details and further problems,associated with jobs. 3) Arrange for all the necessary manpower required,for the job.,TIME,PERIOD : Job to be carried on round the clock basis till the job is,completed and certified by DFPCL. Tentatively job will be completed in,10 days after commencement.,SAFETY :.,All persons shall work under full safety <(>&<)> precautions using,safety helmets, safety belts, safety shoes, handgloves, goggles etc. as,required.,HOUSEKEEPING,: Contractor shall do housekeeping and shall remove all unwanted,materials from the work site immediately after completion of work.,Housekeeping shall also be done in between the work to keep the work,area clean <(>&<)> tidy.	EA
161	1003321	E301 ANP Ammonia Heat Exchange Opening b	Opening <(>&<)> Boxing up of U-tube type H/E Dome of heatexchanger dia,1050mm , cutting of gasket if requiref, proper tightening of all bolts,,if leakage is there again tightening or replacement of gasket,,scaffolding, tools tackels will be in contractor scope	EA

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162	1003332	PE-12 OPEN& BOX UP	<p>This requisition requires the Contractor to open and box up the heat,exchanger PE-12, For tube plugging / hydro blasting job.,SCOPE,OF WORK : HEAT EXCHANGER DOME OPENING AND BOX UP ACTIVITY,3,.1Opening of cooling water 4"X150#-2nos flanges. 3.2Removal of,East side coverSize: 696 O.D. x 550 I.D. X 582 long,3.3Removal of west side,dome covers Size: 800 O.D. x 650 I.D. x 562 long.,3.4Removal,of floating head by opening the bolts from west 3.5Open the gas l /l,,o/l &lt;(&gt;&amp;&lt;)&gt; liquid o/l flanges Size: 4# x 300# - 2 Nos. &lt;(&gt;&amp;&lt;)&gt; 1#x 300#,- 1 nos. &lt;(&gt;&amp;&lt;)&gt; box up the same flanges with slip blinds,3.6Test,ring flange Size:800 X588X50 mmThk &lt;(&gt;&amp;&lt;)&gt; Test Ring Hub Size:681X588X40,MM thk to be fixed for Hydro Testing.,3,.7Hydro testing arrangement to be made &lt;(&gt;&amp;&lt;)&gt; fixed at the proper position .,3.8Hand,over the heat exchanger for hydroblasting.,3,9,After hydroblasting hydrotesting to be done. Hydrotesting will be in the,contractors scope.,3,.10 After hydrotest test ring would be Removed. 3.1,1 both dome &lt;(&gt;&amp;&lt;)&gt; all flnage to be normalised with new gasket,3,12Hand over the heat exchanger for final leak testing with nitrogen.,3.13Arresting,of leakage if any.,TUBE,PLUGGING ACTIVITY,P,lugging of identified tube with taper plug .by pressing in both side of tube.</p>	EA
163	1003333	PE-15 OPEN & BOX UP	<p>This requisition requires the Contractor to open and box up the heat,exchanger PE-15, For tube plugging / hydro blasting job.,SCOPE,OF WORK : HEAT EXCHANGER DOME OPENING AND BOX UP ACTIVITY,3.1Openin,g of cooling water 4"X150#-2nos flanges. 3.2Removal of East side coverSize: 457.2 O.D.,X 447.65 I.D. X 431.8 long,3.3Removal,of west side dome covers Size: 558.8 O.D. X 549.275 I.D. X454 long,3.4,Removal of floating head by opening the bolts 3.5Open the gas l /l, o/l,&lt;(&gt;&amp;&lt;)&gt; liquid o/l flanges Size: 6" x 300# - 1 Nos. &lt;(&gt;&amp;&lt;)&gt; 2"x 300# - 2,nos. &lt;(&gt;&amp;&lt;)&gt; box up the same flanges with slip blinds,3.6Test,ring to be fixed for Hydro Testing.,3.7Hydro,testing arrangement to be made &lt;(&gt;&amp;&lt;)&gt; fixed at the proper position .,3.8Hand,over the heat exchanger for hydroblasting.,3.9 After,hydroblasting hydrotesting to be done. Hydrotesting will be in the,contractors scope. After hydroblasting hydrotesting to be done.,Hydrotesting will be in the contractors scope.,3.1,After hydrotest test ring would be Removed.,3.11,both dome &lt;(&gt;&amp;&lt;)&gt; all flnage to be normalised with new gasket 3.12Hand over the heat exchanger for,final leak testing with nitrogen. 3.13Arresting of leakage if any.,TUBE,PLUGGING ACTIVITY,Plugging,of identified tube with taper plug .by pressing in both side of tube.</p>	EA

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164	1003334	PE-23 OPEN & BOX UP	This requisition requires the Contractor to open and box up the heat exchanger PE-23, For tube plugging / hydro blasting job,3.2Removal of LHS side c,overSize: 1150 IDX14MMT(WEIGHT-324KG). 3.3 Opening <(>&<)> Removal of RHS Channel She Size: 1150,I.D. x 14 mm thk(weight # 324 Kg) west,3.4,Open the gas I /I, o/I <(>&<)> liquid o/I flanges Size: 14" x 150# - 2 Nos. 4"x 150# - 1 nos<(>&<)> 1"X150# 1NO. <(>&<)> box up,the same flanges with slip blinds,3.5Hydro testing arrangement to be made,<(>&<)> fixed at the proper position . 3.6Hand over the heat exchanger,for hydroblasting.,3.7 After,hydroblasting hydrotesting to be done. Hydrotesting will be in the,contractors scope.,3.8 both dome <(>&<)> all flnage to be normalised with new gasket,3.9Hand over the heat,exchanger for final leak testing with nitrogen.,3.10Arresting of leakage if any.,TUBE,PLUGGING ACTIVITY,P,lugging of identified tube with taper plug .by pressing in both side of tube."	EA
165	1003335	PE-48 OPEN & BOX UP	This requisition requires the Contractor to open and box up the heat exchanger PE-48, For tube plugging / hydro blasting job,3.2Removal of LHS,side cover Size: 787 IDX716mm long,3.3,Opening <(>&<)> Removal of RHS Channel Size: 787 I.D. X 619 mm long,3.4 Open the gas I /I, o/I <(>&<)> liquid o/I flanges Size: 10" x 150#, (2n0). <(>&<)> box up the same flanges with slip blinds,3.5Hydro testing arrangement to be made <(>&<)> fixed at the proper position . 3.6Hand over the heat exchanger for hydroblasting.,3.7 After,hydroblasting hydrotesting to be done. Hydrotesting will be in the,contractors scope.,3.8 both dome <(>&<)> all flnage to be normalised with new gasket,d3.12Hand over the heat exchanger for final leak testing with nitrogen.,3.9Arresting,of leakage if any.,T,UBE PLUGGING ACTIVITY,P,lugging of identified tube with taper plug .by pressing in both side of tube."	EA
166	1003336	PE-200 OPEN & BOX UP	This requisition requires the Contractor to open and box up the heat exchanger PE-200, For tube plugging / hydro blasting jo,3.2 Removal of LHS side cover Size:,550 I.D x 10 mm thk x557 lg (weight # 50 KG). 3.3 Opening <(>&<)>,Removal of RHS Channel Size:550 I.D. x 10 mm thk x497 lg (weight # 43,Kg) 3.4 Open,the gas I /I, o/I <(>&<)> liquid o/I flanges Size: 12" x 150# (2no) .,<(>&<)> box up the same flanges with slip blinds,3.5Hydro,testing arrangement to be made <(>&<)> fixed at the proper position .,3.6Hand over the heat exchanger for hydroblasting.,3.7,After hydroblasting hydrotesting to be done. Hydrotesting will be in the,contractors scope.,3.8 both dome <(>&<)> all flnage to be normalised with new gasket,3.9Hand over the heat,exchanger for final leak testing with nitrogen.,3.10Arresting of leakage if any.,TUBE,PLUGGING ACTIVITY,P,lugging of identified tube with taper plug .by pressing in both side of tube."	EA

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**(Company name, seal and signature of authorized person with Designation)**



167	1003337	PE-41 OPEN & BOX UP	This requisition requires the Contractor to open and box up the heat exchanger PE-48, For tube plugging / hydro blasting job,(2no) . <(>&<)> box up the same flanges with slip blinds,3.5,Hydro testing arrangement to be made <(>&<)> fixed at the proper,position . 3.6 Hand over the heat exchanger for,hydroblasting.,3.7 After,hydroblasting hydrotesting to be done. Hydrotesting will be in the,contractors scope.,3.8 both dome <(>&<)> all flnage to be normalised with new gasket,3.9,Hand over the heat exchanger for final leak testing with nitrogen.,3.1,Arresting of leakage if any.,T,UBE PLUGGING ACTIVITY,P,ugging of identified tube with taper plug .by pressing in both side of tube."	EA
168	1003338	NOX Comp Casing opening & box up.	Long Text Max Length 70 in one Row,1. Removal of NOX compressor top casing cover, Wt=750 kg,2. Removal of all interconnected lines and fixing after inspection,3. Cleaning of all internals like rotor, comp.casing parting .,planes,etc,4. Installation of compressor top casing and tightening,after inspection.,CONTRACTORS SCOPE:,1.Contractors to maintain its supervisor at site for the job when .,ever their activity is in progress,2. The supervisor shall coordinate with DFPCL engineer for,job details and further problems associated with jobs.,3.Arrange for all the necessary manpower required for the job.,4.Contractors shall arrange all tools <(>&<)> tackles required for job.,TIME PERIOD :;Job to be carried on round the clock basis till the job is,completed and certified by DFPCL,SAFETY :;All persons shall work under full safety <(>&<)> precautions using,safety,helmets, safety belts, safety shoes, handgloves, goggles,etc. as required.,HOUSEKEEPING :;Contractors shall do housekeeping and shall remove all unwanted,materials from the work site immediately after completion of work,Housekeeping shall also be done in between the work to keep the work	EA
169	1003348	PE-29 OPEN& BOX UP	1.This requisition requires the Contractor to open and box up the heat exchanger PE-29 for hydro blasting <(>&<)> hydro test,01) This requisition requires the Contractor to open an+G3d box up the heat exchanger PE-17A for hydro blasting <(>&<)> hydr,01)This requisition requires the Contractor to make arrangement for hydrotesting of exchanger PE-4 DOME SIZE- 1000MM weigh	EA
170	1003349	PE-5 OPEN & BOXUP	01) This requisition requires the Contractor to make arrangement for hydrotesting of exchanger PE-5, DOME WEIGHT 1.5TON	EA
171	1003350	PE-30 OPEN & BOX UP	01) This requisition requires the Contractor to open and box up the heat exchanger PE - 30 for hydro blasting <(>&<)> hydro	EA
172	1003351	PE-33A/B OPEN & BOX UP	01) This requisition requires the Contractor to open and box up the heat exchanger PE - 33A/B for hydro blasting <(>&<)> hyd	EA
173	1003352	PE-17A OPEN & BOX UP	01) This requisition requires the Contractor to open an+G3d box up the heat exchanger PE-17A for hydro blasting <(>&<)> hydr	EA

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174	1003353	WNA 1&2 converter cone opening & box up	WNA 1<(>&<)>2 converter cone opening <(>&<)> box up for catalyst, replacement.,1)Opening of convertor cone inlet flange (16"x 300#)and main flange,Of converter cone (Size:1500 OD),2)Lifting of convertor cone weight :1 ton,3)Removal of catalyst basket (WT:1 ton) <(>&<)> bring to ground floor,4)Shifting of basket to desired location as instructed,by Job Co-ordinator.,5)Providing assistance to DFPCL technicians for removal,of catalyst <(>&<)> box up of new catalyst with new gaskets.,6)Grinding of old catalyst clamping studs <(>&<)> welding of new,Inconel 701 studs,7)Shifting of catalyst basket to site <(>&<)> boxing up of convertor,cone,with new gaskets,8)Application of high temperature grease to fastners.,9)Hot Tightening of all connecting flanges after plant start-up,during any hour of the day.,Contrator's scope 1)Trolley required for shifting,2)Consumables required,3)Issuing of gasket from store <(>&<)> shifting it to site.	LE
175	1003354	WNA 1&2 DAF & VAF candles replacement	WNA 1 Discharge Air filter and Vapour NH3 filter candles replacement,1)Top dome of both Discharge Air Filter(0.7 ton) and Vapour Ammonia,Filter removal(Wt-0.1 ton),2)Removal of filter candle assembly of both filters and putting it,into cleaning tank.,3)Bringing new filter candle assembly of both filters and,installation of the same.,4)Both filters dome box up with new gaskets.,5)Hot tightening of all the connecting flanges after plant start-up.,6)Application of high temperature grease to fasteners	LE
176	1003355	WNA 1&2 Platinum filter replacement	Platinum filter element replacement.,1) Platinum filter cone removal (Wt-1 ton),Outlet flange:18"x300# <(>&<)> body flange 1244 mm,2) Platinum filter cage removal <(>&<)> shifting to WNA-3 plant - 1/2,ton,3) New filter 1 ton shifting to WNA-2 plant from WNA-3 plant,4) Erection of new cage,5) Box up of cone with new gasket ( 18"x300# ,1244mmoutlet),DFPCL SCOPE: 1)New Gasket for Box-up Activity.,2) Hydra required for job	LE
177	1003356	WNA 1&2 Intercooler dome opening	Intercooler dome open <(>&<)> box up for hydroblasting,Scope of work:- 1) Scaffolding erection 1.5x2x1.5mtr,2) Both dome removal. size-1200mm x 2 No.,3) opening of cooling water supply <(>&<)> return line.,size 6" x 150# x 2 No,4)After hydroblasting both dome <(>&<)> cooling water line box up,DFPCL scope:-,1) hydroblasting machine require for job will be provided by DFPCL.	EA
178	1003357	WNA 1&2 surface condenser dome opening	Surface condenser(E201A/B) dome open <(>&<)> box up for hydroblasting,Scope of work:- 1) Scaffolding erection 1.5x2x1.5mtr,2) Both dome removal. Size-48" x 150# x 2 No.,3) opening of cooling water supply <(>&<)> return line.,size 6" x 150# x 2 No,4)After hydroblasting both dome <(>&<)> cooling water line box up,DFPCL scope:-,1) hydroblasting machine require for job will be provided by DFPCL.	EA
179	1003358	WNA 1&2 Frick condenser dome opening	WNA 1<(>&<)>2 frick condenser dome open <(>&<)> box up for hydroblasting,Scope of work:- 1) Scaffolding erection 1.5x2x3mtr,2) Both dome removal. Size-18" x 150# x 2 No.,3) opening <(>&<)> box up of cooling water supply <(>&<)> return line.,Size 4" x 150# x 2 No,4) cutting of new gasket as per size from gasket sheet.,5)After hydroblasting both dome <(>&<)> cooling water line box up,DFPCL scope:-,1) hydroblasting machine require for job will be provided by DFPCL.	EA

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180	1003359	WNA 1&2 Frick lube oil cooler dome open	WNA 1<(>&<)>2 frick lube oil cooler dome open <(>&<)> box up for,hydroblasting,Scope of work:- 1) Scaffolding erection 1.5x2x3mtr,2) Both dome removal. Size-12" x 150# x 2 No.,3) opening <(>&<)> box up of cooling water supply <(>&<)> return line.,Size 4" x 150# x 2 No,4) cutting of new gasket as per size from gasket sheet.,5)After hydroblasting both dome <(>&<)> cooling water line box up,DFPCL scope:-,1) hydroblasting machine require for job will be provided by DFPCL.	EA
181	1003360	WNA 1&2 Main lube oil cooler dome open	WNA 1<(>&<)>2 main lube oil coolerdome open <(>&<)> box up for,hydroblasting,Scope of work:-,1) Both dome removal. Size-10" x 150# x 2 No.,2) opening <(>&<)> box up of cooling water supply <(>&<)> return line.,Size 4" x 150# x 2 No,3) If required removal of tube bundle and shifting to desired location,4)After cleaning shifting of tube bundle to plant.,5) cutting of new gasket as per size from gasket sheet.,6)Both dome, tube bundles <(>&<)> cooling water line box up,DFPCL scope:-,1) hydroblasting machine require for job will be provided by DFPCL.	EA
182	1003361	WNA 1&2 Product acid cooler dome opening	WNA 1<(>&<)>2 Product acid cooler dome open <(>&<)> box up,Scope of work:-,1) Both dome removal. Size-24" x 150# x 2 No.,2) opening of cooling water supply <(>&<)> return line.,size 6" x 150# x 2 No,3) cutting of new gasket as per size from gasket sheet.,4)After hydroblasting both dome <(>&<)> cooling water line box up,DFPCL scope:-,1) hydroblasting machine require for job will be provided by DFPCL.	EA
183	1003364	WNA3 cooler condenser outlet NRV removal	WNA 3 cooler condenser outlet NRV removal <(>&<)> box up.,Scope Of work:-,1) opening of NRV both flanges. size-24"x150#,2) NRV removal and shifting to workshop,3) cleaning of flange faces.,4) Cutting of gasket from gasket sheet.,5) Box up of NRV.,DFPCL scope:-,1. Scaffolding will be provided byDFPCL,2. hydra needed for shifting will be provided.	EA
184	1003365	WNA 3 Comp discharge NRV removal	WNA 3 Comp discharge NRV removal <(>&<)> box up.,Scope of work:-,1) scaffolding errection for job. Size- 2Mx2Mx2M,2) Opening of NRV flanges.,2) removal of compressor discharge NRV size - 24"x 150# - 1 no.,3) flange faces cleaning.,4) cutting of new gasket as per size from gasket sheet.,5) box up of NRV after blow out.,6) scaffolding removal.	EA
185	1003366	WNA 3 lube oil cooler dome open	WNA lube oil cooler dome open <(>&<)> box up for hydroblasting,SCOPE OF WORK:-,1) opening of both side dome(size-18", 2 Nos),,2) opening of cooling water supply <(>&<)> return line.,Size 3" x 150# x 2 No,3) If required removal of tube bundle and shifting to desired location,4)After cleaning shifting of tube bundle to plant.,5) cutting of new gasket as per size from gasket sheet.,6)Both dome, tube bundles <(>&<)> cooling water line box up,DFPCL scope:-,1) hydroblasting machine require for job will be provided by DFPCL.	EA
186	1003367	PE-34A/B OPEN& BOX UP	01) This requisition requires the Contractor to open and box up the heat exchanger PE – 34A/B for hydro blasting <(>&<)>	EA
187	1003368	PE-20 OPEN & BOX UP	01) This requisition requires the Contractor to open and box up the heat exchanger PE - 20 for hydro blasting <(>&<)> hydro	EA
188	1003369	PE-22 OPEN & BOX UP	01) This requisition requires the Contractor to open and box up the heat exchanger PE - 22 for hydro blasting <(>&<)> hydro	EA

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189	1003370	REACTOR OPEN & BOXUP FOR CATLYST RPLMNT	<p>This requisition requires the Contractor to open and box up IPA Reactor including</p> <p>a. Removal of Top TEE for changing, ii. Removal of Phosphoric acid Distributor from the top. (Weight: Approx, 150KG), iii. Phosphoric Acid distributor flange &lt;(&gt;&amp;&lt;)&gt; TEE flange to be, thoroughly cleaned before boxed up., iv. At the top of the Reactor Scaffolding to be made &lt;(&gt;&amp;&lt;)&gt; tarpolin to, be fixed for the catalyst protection from rain. All arrangement to be made, for catalyst removal by fixing hopper, v. Hand over the Reactor for catalyst changing &lt;(&gt;&amp;&lt;)&gt; Reactor brick, work repairing., vi. After getting clearance from process dept. Phosphoric Acid, distributor &lt;(&gt;&amp;&lt;)&gt; top TEE to be fixed with new gaskets., vii. All the studs to be thoroughly cleaned &lt;(&gt;&amp;&lt;)&gt; grease to be applied, on studs. Clamp inside reactor to be fixed in contractor scope, REACTOR ACID SOAKING JOB, SCOPE OF WORK : , A) Opening of Reactor Bottom elbow by opening both side flanges Size: 12#300# --2nos., B) Fixing of Recirculation Flange Size : 12#300#X 3#150# at the bottom, of Reactor Vessel., C) Reactor top O/L line spectacle blind to be reversed Size: 12#300#., D) Reactor top 3# 150# blind to be opened &lt;(&gt;&amp;&lt;)&gt; Boxed up with 3#, recirculation line . For this 3# 150# -2Nos flanges to be boxed up., E) Phosphoric Acid pump with motor &lt;(&gt;&amp;&lt;)&gt; base frame to be shifted from, D.M. Plant to the Reactor Base for acid recirculation., F) Pump suction line to be boxed up size: 4#150# -1No., 3#150# 2Nos, &lt;(&gt;&amp;&lt;)&gt; discharge line to be boxed up size: 3# 150# -2No, G) Arresting of leakage if any leak after acid soaking all acid line to, be removed &lt;(&gt;&amp;&lt;)&gt; reactor to be normalised in its original, condition. House keeping to be completed in just after completion of job., After taking in line hot tightening to be done &lt;(&gt;&amp;&lt;)&gt; arrest leak if, any observed., , DFPCL SCOPE OF WORK, 1) DFPCL will arrange for necessary permit., 2) Drawings &lt;(&gt;&amp;&lt;)&gt; access to site for inspection., 3) Crane will be in Contractor Scope., SAFETY PRECAUTIONS, i) The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety, procedures as per the safety standards and comply with the safety, requirements., ii) Total job should be carried out under 24x7 skilled, Engineer/Supervisor., iii) The contractor is required to deploy persons for specific jobs who, are trained and skilled in activity and well familiar with hazards and, safety precautions., iv) Contractor shall ensure that any time during the performance of the, work his personnel are fit to execute the tasks assigned and are not, under the influence of any alcoholic liquor, drug or other intoxicating, substances., The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s, WORKING HOURS, Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excluding, MOBILIZATION, Contractor shall arrange for necessary Supervision person to start the, work within 1 day of instruction from EIC. In case of emergency or, shutdown, contractor shall mobilize all required resources 1 day of, instruction of EIC., HOUSEKEEPING, It is the responsibility of the contractor to ensure good, housekeeping at work site during work &lt;(&gt;&amp;&lt;)&gt; after work., JOB COMPLETION TIME, The total contract duration is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization and completion of the job including, dismantling, etc. as per EIC instructions.,"</p>	EA
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190	1003371	DAM BORD JALI OPEN BOX UP	Dam board jali removal from cooling tower basin.Jali size 2meter,x4meter weight 250kg. If any defect occur in jali to be repaired in,contractor scope. Jali to be fixed in its original condition after,getting clearance from operation. House keeping to be done after,completion of job.,Competent,manpower, All tools and tackles required for carrying out the job will,be under contractors scope.	EA
191	1003372	PE-3 OPEN & BOX UP	This requisition requires the Contractor to open and box up the heat exchanger PE-2, For tube hydro blasting job. S,removal of pipe <(>&<)> shifting on ground by crane.,(2) Removal of top dome cover with tail pipe size 43" weight 2 ton by,crane <(>&<)> shifting on ground level .,(3) Removal of floating head size 38" weight 1 ton by crane. Removal of,outlet pipe flange 12"x600#-2 nos to remove water.,(4) Handover exchanger for hydrojetting.,(5) After hydrojetting box up floating head with new gasket,(6)Gland packing to be inserted in floating head,(7) Top cover to be box up with new gasket,(8) Inlet <(>&<)> outlet pipe to be boxed up with new gasket.,(9) Handover exchanger for leak test,(10) Any leak to be attended on priority basis .,C,ONTRACTORS SCOPE OF WORK,1),All tool tackle (non sparking) scaffolding , hydra crane will be,contractor scope. 2),Contractor will follow all rule regulation of company.,DFP,CL SCOPE OF WORK,w,ill provide power water <(>&<)> gasket.	LE
192	1003373	PE--1 OPEN & BOX UP	SCOPE OF WORK	EA
193	1003374	PE-2 OPEN & BOX UP	This requisition requires the Contractor to open and box up the heat exchanger PE-2, For tube hydro blasting job. S,removal of pipe <(>&<)> shifting on ground by crane.,(2) Removal of top dome cover with tail pipe size 43" weight 2 ton by,crane <(>&<)> shifting on ground level .,(3) Removal of floating head size 38" weight 1 ton by crane. Removal of,outlet pipe flange 12"x600#-2 nos to remove water.,(4) Handover exchanger for hydrojetting.,(5) After hydrojetting box up floating head with new gasket,(6)Gland packing to be inserted in floating head,(7) Top cover to be box up with new gasket,(8) Inlet <(>&<)> outlet pipe to be boxed up with new gasket.,(9) Handover exchanger for leak test,(10) Any leak to be attended on priority basis .,C,ONTRACTORS SCOPE OF WORK,1),All tool tackle (non sparking) scaffolding , hydra crane will be,contractor scope. 2),Contractor will follow all rule regulation of company.,D,FPCL SCOPE OF WORK,w,ill provide power water <(>&<)> gasket. , "	LE
194	1003537	O&B END COVERS OF D20202	JOB IS TO BE DONE TO FACILITATE TUBE CLEANING AND INVOLVES-.1. OPEN AND BOX UP THE CHANNEL END COVER FLANGE. SIZE: OD - 1219 MM,,THICKNESS -89 MM.,2. OPEN AND BOX UP SHELL COVER (DOME), SIZE: OD - 1219 MM X 749 MM,LENGTH X 20.6MM THK.,3. SCAFFOLDING IF REQUIRED TO BE PROVIDED.,4. CLEANING OF ALL STUDS AND NUTS,5. ALL TOOL <(>&<)> TACKLES TO BE ARRANGED BY CONTRACTOR.,6,JOB SAFETY PERMIT TO BE TAKEN FROM JOB CO-ORDINATOR.,7. ALL,SAFETY PPE TO BE USED.,8. HOT TIGHTENING TO BE DONE.,9. HOUSEKEEPING TO BE DONE	EA

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195	1003894	BLINDING & NORMALISE FLANGES- 150#	<p>Opening and boxing up of 150# flanges to provide Blinds / slip plates,and later on Open the flange, remove the blind and normalise the flange,joint with new Gasket.,Contractor's scope of work includes-,1. Opening of Flanges after getting clearance and providing the blinds /,slip plates.,2. Cleaning of all studs and nuts, gasket seating area on nozzle and,cover flanges.,3. Removal of Blind flanges/ slip plates and box up the flange with new,gaskets after getting clearance.,4. Arrange sufficient tools and tackles, skilled manpower &lt;(&gt;&amp;&lt;)&gt;,supervisor for execution of the job on round the clock basis.,5. Scaffolding if necessary for the job shall be provided by the,contractor.,6. Hot tightening to be carried out if necessary during / after plant,start up.,7. All stud and nuts to be reused after cleaning &lt;(&gt;&amp;&lt;)&gt; applying,grease.,8. If any bolts requires to be cut that will not be considered as,additional job.,9. Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPCL job coordinator.,10.All dismantled nuts and bolts/ studs shall be properly stored, DFPCL,shall not be responsible for any loss of components.,11.Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator before doing,the work.,12. Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,13.Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work site,immediately after completion of work. Housekeeping shall also be done,in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,DFPCL SCOPE OF SUPPLY,1 Power, water, grease and cleaners .,2. New Gaskets for the flanges.,3. Replacement of worn out bolts/ studs.</p>	IND
196	1003895	BLINDING & NORMALISE FLANGES- 300#	<p>Opening and boxing up of 300# flanges to provide Blinds / slip plates,and later on Open the flange, remove the blind and normalise the flange,joint with new Gasket.,Contractor's scope of work includes-,1. Opening of Flanges after getting clearance and providing the blinds /,slip plates.,2. Cleaning of all studs and nuts, gasket seating area on nozzle and,cover flanges.,3. Removal of Blind flanges/ slip plates and box up the flange with new,gaskets after getting clearance.,4. Arrange sufficient tools and tackles, skilled manpower &lt;(&gt;&amp;&lt;)&gt;,supervisor for execution of the job on round the clock basis.,5. Scaffolding if necessary for the job shall be provided by the,contractor.,6. Hot tightening to be carried out if necessary during / after plant,start up.,7. All stud and nuts to be reused after cleaning &lt;(&gt;&amp;&lt;)&gt; applying,grease.,8. If any bolts requires to be cut that will not be considered as,additional job.,9. Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPCL job coordinator.,10.All dismantled nuts and bolts/ studs shall be properly stored, DFPCL,shall not be responsible for any loss of components.,11.Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator before doing,the work.,12. Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,13.Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work site,immediately after completion of work. Housekeeping shall also be done,in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,DFPCL SCOPE OF SUPPLY,1 Power, water, grease and cleaners .,2. New Gaskets for the flanges.,3. Replacement of worn out bolts/ studs.</p>	IND

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197	1003897	PE-17B OPEN & BOX UP	PLANT : ISOPROPANOL GENERAL : 1.1This requisition requires the Contractor to open and box up the heat exch	EA
198	1003989	WNA-1/2 absorber C/W hose leakage	WNA-1/2 absorber cooling water hose leakage to be,attended in running plant.,Job is to be done in running C/W condition at 5 kg/cm2 pressure at,height ranging from 6 to 20 mtr.,Scope Of Job.,1) Hose Cutting as per Actual size in field.,2) Removal of old hose.,3) Replace hose with new hose clamp.	EA
199	1003990	WNA1/2 NH3 evaporator dome open/ boxup	WNA 2 ammonia evaporator dome opening <(>&<)> box up,Scope of work:-,1) Both dome removal. Size-24" x 150# x 2 No.,2) opening of C/W supply <(>&<)> return line. size 8" x 150# x 2 No,3) Support provision for cooling water control valve,4) cutting of new gasket as per size from gasket sheet.,5)After hydroblasting both dome <(>&<)> cooling water line box up,DFPCL scope:- hydroblasting machine require for job will be provided,by DFPCL.	EA
200	1003991	WNA1expander outlet bellow replacement	WNA 1 expander outlet bellow replacement,scope of Work:-,1) Opening of bellow top flange. size- 1010mm OD x 150#.,2) Opening of bellow bottom flange. size- 985mm OD x 150#,3) removal of old bellow.,4) hole punching in new bellow as per flange hole PCD.,5) box up of bellow.	LE
201	1003992	WNA3 Surface condenser dome open/ boxup	WNA 3 Surface condenser both dome opening and box up,for hydroblasting,SCOPE OF WORK:-,1) opening of both side dome(size-1500mm x 2 Nos),,2)cutting of new gasket as per size from gasket sheet.,3) Both side dome box up.	EA
202	1003993	WNA3 Ejector condenser dome open/ boxup	WNA 3 ejector condenser both dome opening and boxup for hydroblasting,SCOPE OF WORK:-,1) opening of both side dome(size- 8" x 2 Nos),,2) cutting of new gasket as per size from gasket sheet.,3) Both side dome box up.	EA
203	1003994	WNA3 boiler bottom elbow remove & boxup	WNA3 boiler bottom elbow remove <(>&<)> boxup,SCOPE OF WORK:-,1)BOTTOM ELBOW REMOVAL.700X700 MM DIA,2) PROVISION OF BLIND FOR COIL CLEANING 700 MMDIA,3) REMOVAL OF BLIND AFTER CLEANING <(>&<)> ELBOW BOX UP	EA
204	1003995	WNA4 gas cooler 1 dome open & boxup	WNA4 gas cooler 1 dome open <(>&<)> boxup,SCOPE OF WORK:-,1) Gas cooler 1 (Size: 2m dia, 1400kg weight) x 2 nos,Opening of both side domes for hydroblasting,2) opening of connected lines. CW flange size 10" x 150# x 2 no,3) cutting of gasket from gasket sheet,4) box up of dome with new gasket.	EA
205	1003996	WNA4 gas cooler 2 dome open & boxup	WNA4 gas cooler 2 dome open <(>&<)> boxup,SCOPE OF WORK:-,1) Gas cooler 2 (Size: 1200mm dia x 500 kg wieght) x 2 nos,Opening of both side domes for hydroblasting,2) opening of connected lines. CW flange size 10" x 150# x 2 no,3) cutting of gasket from gasket sheet,4) box up of dome with new gasket.	EA
206	1003997	WNA4 gas cooler 3 dome open & boxup	WNA4 gas cooler 3 dome open <(>&<)> boxup,SCOPE OF WORK:-,1) Gas cooler 3 (size: 13200mm dia x 600kg wight) x 2 nos,Opening of both side domes for hydroblasting,2) opening of connected lines. CW flange size 10" x 150# x 2 no,3) cutting of gasket from gasket sheet,4) box up of dome with new gasket.	LE

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207	1003998	WNA4 sec. Air cooler 2 dome open & boxup	WNA4 sec. Air cooler dome open <(>&<)> boxup,SCOPE OF WORK:-,1) Secondary air cooler 2 (Size: 700mm dia, 150kg weight) x 2 nos,cooling water flange size - 8" x 150# x 2 no,2) Opening of both side domes for hydroblasting.,3) opening of connected lines.,4) cutting of gasket from gasket sheet,5) box up of dome with new gasket.	LE
208	1003999	WNA 4 Product acid cooler dome open & bo	WNA 4 Product acid cooler dome open <(>&<)> boxup,SCOPE OF WORK:-,1) Product acid cooler (Size: 12" dia x 150 kg wieght) x 2 nos,cooling water flange size - 8" x 150# x 2 no,2) Opening of both side domes for hydroblasting.,3) opening of connected lines.,4) cutting of gasket from gasket sheet,5) box up of dome with new gasket.	LE
209	1004000	WNA 4 Process water cooler dome open & b	WNA 4 Process water cooler dome open <(>&<)> boxup,SCOPE OF WORK:-,1) Process water cooler (size: 12" dia x 200kg wight) x 1 nos,cooling water flange size - 8" x 150# x 2 no,2) Opening of both side domes for hydroblasting.,3) opening of connected lines.,4) cutting of gasket from gasket sheet,5) box up of dome with new gasket.	LE
210	1004017	PE-8 OPEN & BOX UP	PE-8 Scope of work :-,1Opening of inlet <(>&<)> outlet flange size 10"x150# (2no),2-Opening of east dome size 52 3/4"x451/8" x371/4"lg,3- Opening of east dome size 57 7/8"x501/4" x271/4"lg,3- Opening of floating head size 44 3/4" x37 7/8" x63/4" thk,4. Fixing of test rings east <(>&<)> west side,5. blinding process flange 12"x600# , 14"x600#,6. Handover exchanger for hydrojetting,7. After hydrojetting hydrotest to be done,8. Leaky tube to be plugged,9 after hydrotest test ring to be removed <(>&<)> blind to be normalised,10.East side cover to be boxed up with new gasket,11 Floating head cover to be boxed up with new gasket,12 Checking of floating cover gasket by pressurising tube side,13 Box up west side cover with new gasket,14- Normalising all line with new gasket,15 Scaffolding, crane hydra in contractor scope	EA
211	1004018	PE-4446 OPEN & BOX UP	PE-4446 Scope of work,1Opening cooling water line size 6"x150# (2no),2 Removal of cooling water line SIZE 6"150#,3-OPENING OF BOTH SIDE DOME COVER ( WEIGHT APPROX 500 KG),4-Opening of dome covers of both ends. 1.6m dia X150# - 2nos.,5- Removal of both the dome covers with crane and shifting it to ground.,6 BLINDING PROCESS LINE SIZE 14"X150# , 3" X150#<(>&<)> 11/2" X150#.,7Hand over the heat exchanger for hydrojetting,8 After cleaning hydrotesting to be done.,8. Leaky tube to be plugged,9 Both cover to be boxed up by cutting gasket sheet,10.Blind to be normalised,11 Arresting of leak if any,12 Scaffolding hydra crane in contractor scope	EA
212	1004020	PE-35 OPEN& BOX UP	This requisition requires the Contractor to open and box up the heat exchanger PE-35, For tube plugging / hydro blasting job,2) Removal of East side coverSize: 300 O.D. x 250 I.D. X 300 long .,3) Removal of west side dome covers Size: 300 O.D. x 250 I.D. x 300,long.,4) Blinding of process flange be made <(>&<)> fixed at the proper,position.,5) Hand over the heat exchanger for hydroblasting.,6) After hydroblasting hydrotesting to be done. Hydrotesting will be in,the contractors scope.,7) After hydrotest test ring would be Removed.,8) Both dome <(>&<)> all flnige to be normalised with new gaskt,9) Hand over the heat exchanger for final leak testing with nitrogen.,10) Arresting of leakage if any. TUBE PLUGGING ACTIVITY Plugging of,identified tube with taper plug .by pressing in both side of tube."	LE

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213	1004021	PE-26A OPEN & BOX UP	This requisition requires the Contractor to open and box up the heat,exchanger PE-26A, For tube plugging / hydro blasting job.,SCOPE OF WORK : HEAT EXCHANGER DOME OPENING AND BOX UP ACTIVITY.,1) Opening of cooling water 3"X150#-2nos flanges.,2) Removal of East side coverSize: 400 O.D. X 380 I.D. X 406.25mm long.,3) Removal of west side dome covers Size: 20#O.D.X 19 1/4#I.D. x 400 l,4) Fixing of floating head.,5) Open the gas l /l, o/l <(>&<)> liquid o/l flanges Size: 2"x 1500# -,2 nos. <(>&<)> box up the same flanges with slip blinds.,6) Test ring to be fixed for Hydro Testing.,7) Hydro testing arrangement to be made <(>&<)> fixed at the proper,position.,8) Hand over the heat exchanger for hydroblasting.,9) After hydroblasting hydrotesting to be done. Hydrotesting will be in,the contractors scope.,10) After hydrotest test ring would be Removed.,11) Both dome <(>&<)> all flnaga to be normalised with new gaskt .,12) Hand over the heat exchanger for final leak testing with nitrogen.,13) Arresting of leakage if any. TUBE PLUGGING ACTIVITY Plugging of,identified tube with taper plug .by pressing in both side of tube.	LE
214	1004022	PE-26B OPEN & BOX UP	This requisition requires the Contractor to open and box up the heat,exchanger PE-26B, For tube plugging / hydro blasting job.,SCOPE OF WORK : HEAT EXCHANGER DOME OPENING AND BOX UP ACTIVITY.,1) Opening of cooling water 3"X150#-2nos flanges.,2) Removal of East side coverSize: 400 O.D. X 380 I.D. X 406.25mm long.,3) Removal of west side dome covers Size: 20#O.D.X 19 1/4#I.D. x 400 l,4) Fixing of floating head.,5) Open the gas l /l, o/l <(>&<)> liquid o/l flanges Size: 2"x 1500# -,2 nos. <(>&<)> box up the same flanges with slip blinds.,6) Test ring to be fixed for Hydro Testing.,7) Hydro testing arrangement to be made <(>&<)> fixed at the proper,position.,8) Hand over the heat exchanger for hydroblasting.,9) After hydroblasting hydrotesting to be done. Hydrotesting will be in,the contractors scope.,10) After hydrotest test ring would be Removed.,11) Both dome <(>&<)> all flnaga to be normalised with new gaskt .,12) Hand over the heat exchanger for final leak testing with nitrogen.,13) Arresting of leakage if any. TUBE PLUGGING ACTIVITY Plugging of,identified tube with	LE
215	1004023	PE-10 OPEN & BOX UP	This requisition requires the Contractor to open and box up the heat exchanger PE-10, For tube plugging / hydro blasting job,2) Removal of one side coverSize: 18" O.D. X 171/4 I.D. X 17 5/8"mm,long.,3) Removal of west side dome covers Size: 22" O.D.X 21 1/4" I.D. X 17",long.,4) removal of fleating head .,5) Open the gas l /l, o/l <(>&<)> liquid o/l flanges Size: 8"x 150# -,1 nos 4"x150# (1n0) 3"x150# 1no <(>&<)> box up the same flanges with,slip blinds .,6) Test ring to be fixed for Hydro Testing.,7) Hydro testing arrangement to be made <(>&<)> fixed at the proper,position.,8).8Hand over the heat exchanger for hydroblasting.,9) After hydroblasting hydrotesting to be done. Hydrotesting will be in,the contractors scope. After hydroblasting hydrotesting to be done.,10) After hydrotest test ring would be Removed.,11) Both dome <(>&<)> all flnaga to be normalised with new gaskt.,12) Hand over the heat exchanger for final leak testing with nitrogen.,13) Arresting of leakage if any. TUBE PLUGGING ACTIVITY Plugging of,identified tube with taper plug by pressing in both side of tube."	LE

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216	1004024	PE-25 open & box up	This requisition requires the Contractor to open and box up the heat,exchanger PE-25.,SCOPE OF WORK : HEAT EXCHANGER OPENING AND BOX UP ACTIVITY,1) Opening of cooling water line size 1/2"x150#-2nos flanges.,2) Removal of U bend flange: 1/2"x150# 18 no.,3) Removal of U bend flange Size: 22" 11/2"x150# 8no.,4) Making arrangement for hydrotesting. Exchanger handover for cleaning.,5) After cleaning hydrotesting to be done then removal of blind <(>&<)>,normalising all u bend with new gasket. Handover rxchanger for leak any,leak to be attended on priority base.	LE
217	1004034	PE-4 OPEN & BOX UP	This requisition requires the Contractor to open and box up the heat,exchanger PE-4, For tube plugging / hydro blasting job.,SCOPE OF WORK : HEAT EXCHANGER DOME OPENING AND BOX UP ACTIVITY.,1) Opening of top <(>&<)> bottom cover size-1000mm weight 1.5 ton each.,2) Blinding of exchanger.(16"x300# 1n0 18"x300# 1No 10"x150#- 2n0),3) Removal of inlet line size 18" by dismanteling both flange,18"x300# (2no) .,4) Hydro testing arrangement to be made <(>&<)> fixed at the proper,position both side tube as well as shell.,5) Carryout hydrotest of exchanger.,6) After getting clearance from process dept,all the blinds to be,removed <(>&<)> flanges to be normalized with new gaskets as well as,pipes.,7) All flanges <(>&<)> both side dome cover normalized with new gasket.,8) All kinds of hydro testing arrangements to be removed.,9) Hand over the heat exchanger for final leak testing with nitrogen.,10) Arresting of leakage if any Hydrotest then normalising,DFPCL SCOPE :,All required gaskets, stud-bolts.,Water, power.	EA
218	1004165	Wrapping Coating of cs pipe	Cleaning of surface area of pipe. Wrapping Coating of pipe with uniform,thickness.	INM
219	1004175	SS Pipes 304/304L(GTAW) Sch - 5s/10s	Scope of work consist of,Fabrication <(>&<)> welding of Sch 5s/10s SS pipes 304/304L (GTAW),with Argon purging from inside.The scope of work shall include,transportation of pipes from Stores to worksite, cutting of pipes,,edg preparation of the pipes, making fit up and carrying out welding,and necessary dressing.All safety PPEs should be available with,contract workers <(>&<)> safety precautions to be taken . Returning of,balance materials to the stores.Carry out housekeeping.,Vendors scope:,1. To supply all competant manpower with all safety PPEs,2.Safety checks of welding machines, grinding machines, cutting sets,DA cylinders to be executed to avoid fire hazards.,3.All tools tackles, welding consumables etc will be supplied by vendor,4.Execute the job with work safety and guidelines.,5.Scaffolding is in vendors scope.,DFPCL scope:,1.job permit, electricity, water, air will be provided,2.Piping material , adhesive will be provided by DFPCL	IND
220	1004177	Removal of CS/SS piping up to 6 mtr ht.	Scope of work consist of removal of CS/SS piping up to 6mtr height,by using DA cuting set,grinding machine, opening of flange joints,,removal of valves, instrument etc. All safety PPEs should be,available with contract workers <(>&<)> safety precautions to be taken .,Shifting the scrap material to designated area as per Engr.Incharge,guideline. Do the housekeeping in plant area.,Vendors scope:,1. To supply all competant manpower with all safety PPEs,2.Safety checks of welding machines, grinding machines, cutting sets,DA cylinders to be executed to avoid fire hazards.,3.All tools tackles, fabrication consumables etc to be supplied by,vendor,4.Execute the job with work safety and guidelines.,5.Scaffolding is in vendors scope.,DFPCL scope:,1.job permit, electricity, water, air will be provided,2.Piping material, fastners etc. will be provided by DFPCL	INM

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221	1004198	REPLACEMENT OF CES A/B CYCLOIL FILTERS	CES A / B Compressor cycloil filters replacement.,SCOPE OF WORK:;1. Open the clamps <(>&<)> remove the sealing cotton wrap.,2. Shifted the suction pipe sleeve,3. Removal of top coverS filters,4. Removal of flat and conical filter elements,5. Replacement of new conical and flat filters after cleaning,6. Boxed up the top cover properly with new gasket rope,7. Contractor to maintain its supervisor at site for the job when ever,8. Fix the suction pipe sleeve,9. Fix the sealing cotton <(>&<)> clamps,10. Payment will be as per actual,11. The supervisor shall coordinate with DFPCL supervisor for job,12. Arrange for all the necessary manpower required for the job,13. Scaffolding to be done by contractor.,14. Shifting filters arrange by contractor	EA
222	1004247	Structural Pipe supports provison 150kg	Structural Pipe supports provison during fabrication upto 150 kg wt.,SCOPE OF WORK:-,1) Dismantling of connecting Line,flange,valves and isolation of the,equipments by means of blinds/spades required for hydro-test.,2) Filling of water and hydro-testing the vessel step by step at 1.5,times its MWP Or as given by job co-ordinator.,3) Use DM water for SS vessels.,4) Observe condition of the vessel during the hold time (upto 30 min),5)Tighten the leaky gland,flange if any <(>&<)> report to job,co-coordinator,5) Release the pressure, normalize the line,flanges with new gasket.,7) Certification of job by competent Authority on form 13.,9)Tools <(>&<)> tackles including Hydro-testing pump is in scope of,vendor.,10) Housekeeping after completion of job.,DFPCL's SCOPE,1) Hand over of material <(>&<)> issue of permit,2) All Consumables like gskt,bolts,fittings etc required for job,3) Drawings/documents/P<(>&<)>IDs.	KG
223	1004371	Fab & welding of MS pipes of Sc40	Fabrication <(>&<)> welding of MS pipes of Sch 40.,The scope of work shall include transportation of pipes from Stores to,worksite, cutting of pipes, edge preparation of the pipes, making fit up,and carrying out welding and necessary dressing. Application of two,coats primer / redoxide on the fabricated piece. Returning of balance,materials to the stores. For mitre fabrication 20% extra will be paid on,applicable rate.	IND
224	1004391	LDAN W HOPPER RUBBER SHEET REML & REFTNG	ACTIVITIES INVOLVED:;1. REMOVAL OF RUBBER SHEETS AT LDAN PRILLING TOWER BOTTOM HOPPER.,2. REMOVAL OF CORNER <(>&<)> MIDDLE SS PLATES COVERING RUBBER SHEETS.,2. SHIFTING OF REMOVED SHEETS AT DESIGNATED AREA.,3. REMOVED FASTNERS SHOULD NOT BE LOST.,4. EXECUTE ACTIVITIES WITH ALL DUE PRECAUTIONES AS EXPLAINED BY JOB,COORDINATOR.,5. ADHERENCE TO SAFETY.,6. SHIFTING BACK ALL SHEETS TO LOCATION AFTER COMPLETION OF OTHER MAINT,ACTIVITY.,7. ALL SHEETS MUST BE SECURED ON PLACE USING FASTNERS TIGHTLY.,8. ENSURE NO GAPS ARE PRESENT BETWEEN TWO SHEETS TO AVOID MTL SPILLAGES.,9. USE OF PROPER TOOLS AND TACKLES TO EXECUTE THE ACTIVITY.,10. VENDOR TO ENSURE JOB IS CARRIED OUT WITH VALID WORK PERMITS,APPLICABLE, AND IT'S TIMELY RENEWAL.	LE

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225	1004438	HE-76 OPEN & BOX UP	This requisition requires the Contractor to open and box up the heat,exchangerHE-76, For tube plugging / hydro blasting job.,SCOPE OF WORK : HEAT EXCHANGER DOME OPENING AND BOX UP ACTIVITY,1.Opening of cooling water 2"X150#-2nos flanges.,2. Removal of front side cover size 324 mm O.D. X 303.28 mm I.D. X,442 mm long.,3. Removal of Rear side dome covers Size size 420mm O.D. X 400 mm I.D.,X 462mm long,4 Removal of floating head by opening the bolts,5 Open the gas I /I, o/I <(>&<)> liquid o/I flanges Size: 2" x 300# -,2Nos,6 Test ring to be fixed for Hydro Testing.,7 Hydro testing arrangement to be made <(>&<)> fixed at the proper,position .,8 Hand over the heat exchanger for hydroblasting.,9 After hydroblasting hydrotesting to be done. Hydrotesting will be in,the contractors scope. After hydrotest test ring would be Removed.,10 Both dome <(>&<)> all flnage to be normalised with new gasket,DFPCL SCOPE - Power, Water bolts, permit <(>&<)> gaskets	EA
226	1004495	Erection of piping above10 Mtr	Scope of work :,Erection of piping above10 Mtr,1. Erection scope include erecting prefabricated piping above 10mtr,(Height of structure is 25 meter from FFL.),2. Height in position with structural supports, special supports,(hanger/spring/shoe etc.) which also includes Installation of strainers,,steam traps, orifice flanges, pulsation dampers, valves (Gate/ Globe/,Check/ Pressure relief /control valves flanged, SW/BW ends), box up of,flange connections <(>&<)> hot tightening of flanges etc. mentioned over,the P <(>&<)> ID <(>&<)> piping isometric drawings. All root weld joints,to be 100% dp tested.,3. Flanged end piping to be 100% hydrotested at vendors workshop however,final hydro to be executed at site.,4. All fabrication work will be done at vendors work shop <(>&<)> only,erection will be done at site,Scaffolding, tools <(>&<)> tackles, hydra/ crane are in vendors scope	INM
227	1004503	GT-5 OIL COOLER REMOVAL & BOXUP	THIS IS GENERALISED SCOPE FOR GT-5 RADIATOR TYPE OIL COOLER REMOVAL,<(>&<)> BOX UP,SCOPE OF WORK:,1. REMOVAL OF RADIATOR TYPE OIL COOLER COVER/DOOR OPENING BOTH END,2. REMOVAL OF FAN DOOR OPENING AT BOTH END,,3. REMOVAL OF FAN 04 NOS.,4. FANS SHIFTING TO ELECTRICAL WORKSHOP/BOTTOM AS PER ELECTRICAL,DEPT.REQUIREMENT,5. OPENING OF ALL FLANGE CONNECTION OF RADIATOR TYPE OIL COOLERS,AND SURROUNDINGS PIPING,6. REMOVAL OF RADIATOR TYPE OIL COOLER QTY 02 NOS (TWO HALF SET),<(>&<)> UNLOADING AT BOTTOM BY USING HYDRA.,7. CLEANING OF OLD REMOVED RADIATOR TYPE OIL COOLER AS PER SOP.,8. OLD RADIATOR TYPE OIL COOLER TO BE HYDROTESTED. NECESSARY ARRANGEMENT,FOR HYDROTESTING WILL BE ARRANGED BY VENDOR SUCH AS SPOOL FABRICTAION,,PUMP ARRANGEMENT ETC.,9. CLEANING OF NEW RADIATOR TYPE OIL COOLER HOUSING.,10. NEW RADIATOR TYPE OIL COOLER HYDROTESTING,11. FIXING OF NEW RADIATOR TYPE OIL COOLER BOTH HALF SET AS PER NEED,12. ALL PIPING CONNECTIONS TO BE NORMALISED.,13. ALL 04 NOS FAN TO BE FIXED.,14. ALL FAN DOORS TO BE CLOSED.,15. AFTER INSPECTION AND APPROVAL FROM PROCESS ALL OIL COOLER SIDE DOORS,TO BE CLOSED,16. HOUSEKEEPING TO BE DONE.,17. SHIFTING THE OIL COOLER TO DESIGNATED AREA,18. HYDRA, TOOLS <(>&<)> TACKLES, COMPETENT MANPOWER WITH PPE'S,,SCAFFOLDING ARE IN VENDORS SCOPE.,19. Weight of each oil cooler 1150 kg,20. Weight of oil cooler fan with motor 80kg	LE

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228	1004518	VESSEL MANHOLE OPEN & BOX UP 20"X150#	Scope of work,(1) Opening of manhole size 20"x150# for vessel inspection,(2) Cleaning of gasket surface area,(3) Boxup manhole with new gasket after clearance of operation,(4) House keeping of working area,(5) Company safety norms to be followed strictly,DFPCL SCOPE- Water, Power. Gasket <(>&<)> safety permit	EA
229	1004519	VESSEL MANHOLE OPEN & BOX UP 20"X600#	Scope of work,(1) Opening of manhole size 20"x600# for vessel inspection,(2) Cleaning of gasket surface area,(3) Boxup manhole with new gasket after clearance of operation,(4) House keeping of working area,(5) Company safety norms to be followed strictly,DFPCL SCOPE- Water, Power. Gasket <(>&<)> safety permit	EA
230	1004522	WNA-1/2 cooler condenser replacement	Scope of work,Replacement of WNA-1/2 cooler condenser by new/ refurbished one.,1) Erection of scaffolding .,2) Removal of cooling water line spool piece (10" diax 6M long),3) Removal of absorber to cooler condenser line. ( 12" dia x 4 M),3) Remove the cooler condenser by using crane . Wt approx 8T,4) Open its dimister dome by opening flange.,5) Shift the removed condenser to designated area by using hydra.,6) Shift the new/ furbished cooler condenser from WNA-1 plant area,to WNA-2 plant area or vice versa as per job requirement by using,Hydra.,7) box up the dimister flange dome with new/furbished condenser,8) Erect the cooler condenser with the help of crane . Wt approx 8 T,9) box up of cooling water lines. ( 10"x 7 M and 10" x 2M),10) BOx up absorber to cooler condenser line. ( 12" dia x 4 M),11) If any leakage occure in operation after installation Vendor to,attend the job at free of cost.,12) Housekeeping to be done.,13) Compentent manpower with safety PPE's, scaffolding, hydra, crane,will be in vendors scope of supply.	EA
231	1004524	PE-9 OPEN & BOX UP.	VENDOR SCOPE-,1.Opening of i/l flange 4"X300#-2nos flanges.,2 Removal of top side cover size 350 mm O.D. X 325 mm I.D. X 400 mm,long.,3. Removal of bottom side dome covers Size size 350mm O.D. X 325mm,I.D. X 400mm long,4 Removal of floating head by opening the bolts,5 Open the gas l /l, o/l <(>&<)> liquid o/l flanges Size: 1 1/2" x 300# -,2Nos <(>&<)> blinding,6 Hydro Testing of exchanger tube plugging if leak found.,8 Hand over the heat exchanger for hydroblasting.,9. After hydrotesting normalising exchanger by new gasket,10 Both dome <(>&<)> all flnage to be normalised with new gasket,DFPCL SCOPE - Power, Water bolts, permit <(>&<)> gaskets	EA
232	1004525	PE-14 OPEN & BOX UP.	VENDOR SCOPE-,1.Opening of i/l flange 8"X150#-2nos flanges.,2 Removal of top side cover size 575 mm O.D. X 550 mm I.D. X 700 mm,long.,3. Removal of bottom side dome covers Size size 575mm O.D. X 550mm,I.D. X 500mm long,4 Removal of floating head by opening the bolts,5 Open the gas l /l, o/l <(>&<)> liquid o/l flanges Size: 3" x 150# -,2Nos <(>&<)> blinding,6 Hydro Testing of exchanger tube plugging if leak found.,8 Hand over the heat exchanger for hydroblasting.,9. After hydrotesting normalising exchanger by new gasket,10 Both dome <(>&<)> all flnage to be normalised with new gasket,DFPCL SCOPE - Power, Water bolts, permit <(>&<)> gaskets	EA
233	1004528	VESSEL MANHOLE OPEN & BOX UP 20"X300#	Scope of work,(1) Opening of manhole size 20"x300# for vessel inspection,(2) Cleaning of gasket surface area,(3) Boxup manhole with new gasket after clearance of operation,(4) House keeping of working area,(5) Company safety norms to be followed strictly,DFPCL SCOPE- Water, Power. Gasket.	EA

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234	1004539	O&B MANHOLE CVR,S:1700X235X6MM,D20111	SCOPE OF WORK,Open <(>&<)> box up of manhole covers (RSP-1,RSP-1x, RSP-2 <(>&<)>,RSP-2x) of BFW preheater D20111,Size :1700 MM Long X 235 MM Width X 6 MM Thick,1.Opening <(>&<)> Boxing up of D2-111,BFW preheater manhole as per,requirement of process.,2.After opening of manhole cleaning of surface with diesel/ solvent,,Cleaning of gasket sealing surface, cleaning of studs/ bolts / nuts,,boxing up and reinsatllation in position, normalising with new gaskets.,3. Quantity of job is tentative <(>&<)> payment will be given as per,actual execution of job.,4. Arrangement of supervisor <(>&<)> skilled manpower.,5. ALL PPE's <(>&<)> tools <(>&<)> tackles to be arranged by vender.,6. Raising of scaffolding if required will be in contractor scope.	EA
235	1004540	O&B MANHOLE CVR,S:1700X120X6MM,D20111	SCOPE OF WORK,Open <(>&<)> box up of manhole covers (RBP-1) of BFW preheater D20111,Size :1700 MM Long X 120 MM Width X 6 MM Thick,1.Opening <(>&<)> Boxing up of D2-111,BFW preheater manhole as per,requirement of process.,2.After opening of manhole cleaning of surface with diesel/ solvent,,Cleaning of gasket sealing surface, cleaning of studs/ bolts / nuts,,boxing up and reinsatllation in position, normalising with new gaskets.,3.Quantity of job is tentative <(>&<)> payment will be given as per,actual execution of job.,4. Arrangement of supervisor <(>&<)> skilled manpower.,5. ALL PPE's <(>&<)> tools <(>&<)> tackles to be arranged by vender.,6. Raising of scaffolding if required will be in contractor scope.	EA
236	1004541	O&B MANHOLE CVR,S:1900X320X6MM,D20111	SCOPE OF WORK,Open <(>&<)> box up of manhole cover (RTP -1) of BFW preheater D20111,Size :1900 MM Long X 320 MM Width X 6 MM Thick,1. Opening <(>&<)> Boxing up of D2-111,BFW preheater manhole as per,requirement of process.,2. After opening of manhole cleaning of surface with diesel/ solvent,,Cleaning of gasket sealing surface, cleaning of studs/ bolts / nuts,,boxing up and reinsatllation in position, normalising with new gaskets.,3. Quantity of job is tentative <(>&<)> payment will be given as per,actual execution of job.,4. Arrangement of supervisor <(>&<)> skilled manpower.,5. ALL PPE's <(>&<)> tools <(>&<)> tackles to be arranged by vender.,6. Raising of scaffolding if required will be in contractor scope.	EA
237	1004542	O&B MANHOLE CVR,S:1900X900X6MM,D20111	SCOPE OF WORK,Open <(>&<)> box up of manhole cover (RFP-1, RFP-2 <(>&<)> RFP-3) of,BFW preheater D20111,Size :1900 MM Long X 900 MM APPROX.Width X 6 MM Thick,1. Opening <(>&<)> Boxing up of D2-111,BFW preheater manhole as per,requirement of process.,2. After opening of manhole cleaning of surface with diesel/ solvent,,Cleaning of gasket sealing surface, cleaning of studs/ bolts / nuts,,boxing up and reinsatllation in position, normalising with new gaskets.,3. Quantity of job is tentative <(>&<)> payment will be given as per,actual execution of job.,4. Arrangement of supervisor <(>&<)> skilled manpower.,5. ALL PPE's <(>&<)> tools <(>&<)> tackles to be arranged by vender.,6. Raising of scaffolding if required will be in contractor scope.	EA

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238	1004543	O&B MANHOLE CVR,S:950X235X6MM,D20111	SCOPE OF WORK,Open <(>&<)> box up of manhole cover (RBP-1) of BFW preheater D20111,Size :1900 MM Long X 900 MM APROX.Width X 6 MM Thick,1. Opening <(>&<)> Boxing up of D2-111,BFW preheater manhole as per,requirement of process.,2. After opening of manhole cleaning of surface with diesel/ solvent,,Cleaning of gasket sealing surface, cleaning of studs/ bolts / nuts,,boxing up and reinsatllation in position, normalising with new gaskets.,3. Quantity of job is tentative <(>&<)> payment will be given as per,actual execution of job.,4. Arrangement of supervisor <(>&<)> skilled manpower.,5. ALL PPE's <(>&<)> tools <(>&<)> tackles to be arranged by vender.,6. Raising of scaffolding if required will be in contractor scope.	EA
239	1004548	CLMN REBLR 32" BELLOW REPLCMNT	SCOPE OF WORK:,1. LOCKING OF BELLOW BY WELDING TIE ROD,2. OPENING OF BELLOW FLANGE 32" X 150#,3. SHIFTING OF BELLOW FROM STORE TO WORK SITE,4. CUTTING OF EXISTING SS321 BELLOW (4 MM) APPROX 32" DIA,5. CUTTING OF NEW SS 321 BELLOW (4 MM) ACCORDING TO SAID MEASUREME,NT APPROX 32" DIA.,6. FIT-UP OF NEW BELLOW.,7. ARGON WELDING (32" DIA) OF NEW SS 321 BELLOW (4MM THK ),AND 25" DIA WELDING FOR MITRE BY USING ER347 FILLER ROD.,8. BOX-UP AND TIGHTENING OF 32" BELLOW FLANGE.,9. MACHINING AND WELDING OF STUB-END FLANGE IF REQUIRED.,10. UNLOCKING OF NEW BELLOW AFTER WELDING,11. LPI TEST OF WELDING JOINT.,12. SHIFTING OF OLD CUTTED BELOW TO SCRAPYARD AREA.,13. CUTTING OF NEW GSKT FROM GSKT SHEET,DFPCL SCOPE :,1) HYDRA/FORKLIFT FOR SHIFTING OF BELLOW.,2) 24 HRS WORK PERMIT.	EA
240	1004549	WRAPING & COATING OF PIPE LINE	SCOPE OF WORK,1 Clean <(>&<)> dry the pipe line properly,2 Coat the pipe line,3 Wrap the the pipe line with wrapping material properly (don't keep any,gap between wrapping).	INM
241	1004575	GTAW SS316/SS316L sch5s/10s welding	Fabrication <(>&<)> welding of SS pipes 316/316L (GTAW) with Argon,purging from inside. The scope of work shall include transp,ortation of pipes from Stores to worksite, cutting of pipes, edge preparation of the pipes, making fit up and carrying out welding,and necessary,dressing. Returning of balance materials to the stores.,Vendors scope:,1.Welding consumables, safety PPE's,tools <(>&<)> tackes, compentent,manpower are in vendors scope.,2.Vendors to follow all safety rules <(>&<)> regulations while working,on jobs.,DFPCL scope:,1.Electricity, water, air, permit will be supplied by DFPCL.	IND

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242	1004582	Open & box up of D2-0311 dome covers	<p>Open &amp; box up of D2-0311 dome covers,SCOPE OF WORK,1. Open of 6" x 300 # dome flange -- 02 nos.,2. Open of 2" x 300# connected lines --03 nos.,3. Clean the dome cover gasket sealing faces,4. Box up the dome cover with connected flanges,CONTRACTORS SCOPE OF WORK,1) Opening of Dome cover flange, after proper match marking.Provide any,blinds in,connecting lines if required for any job of the equipment.,2) Cleaning of gasket seating area of shell, shell flange, channel,,channel cover and all studs/ bolts.,3) Boxing up all the channel/ shell end covers.,4) Cover tightening / sequence shall be as per standard.,5) Contractor shall arrange sufficient tools &amp; tackles for timely,completion of all jobs.,6) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,7) If any bolts requires to be cut that will not be considered as,additional job.,8) Scaffolding wherever necessary for the job shall be provided by the,contractor. Scaffolding shall be removed only on total completion,of the job.,9) Weld plug if required for any leaky tube.,9) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice,of DFPCL job coordinator.,10) All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of,components.,11) Additional work if any required to be done in addition to the given,scope of work, shall be informed,to the job co- ordinator before doing the work.,12) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,13) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted,materials from the work site immediately after completion of work.,Housekeeping shall also,be done in between the work to keep the work area clean &amp; tidy.,DSTL SCOPE OF WORK,1) Shall provide air and power for the job,2) Shall provide material for the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &amp; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &amp; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of</p>	EA
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obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.

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243	1004752	PE-4445 OPEN & BOX UP.	This requisition requires the Contractor to open and box up the heat,exchanger PE-4445,For open <(>&<)> box up.,1.Opening of i/l flange <(>&<)>o/l flange 8"x150# (2n0),2 Removal of top side cover size 400 mm O.D.,3. Removal of bottom side dome covers Size size 400mm I.D.,4 Open l /l, o/l <(>&<)> liquid o/l flanges Size: 4" x 150# -,<(>&<)>2"x150# (1no),5 Hand over the heat exchanger for hydroblasting.,6 Hydro Testing of exchanger tube plugging if leak found.,7. After hydrotesting normalising exchanger by new gasket,8 Both dome <(>&<)> all flnage to be normalised with new gasket,9 Cover gasket to be cut by gasket sheet,DFPCL SCOPE - Power, Water bolts, permit <(>&<)> gaskets	EA
244	1004754	PE-18 OPEN & BOX UP.	Contractor to open and box up the heat exchanger PE-18.,1.Opening of i/l flange <(>&<)>o/l flange 6"x150# <(>&<)> 3"x150#,2 Removal of top side cover size 400 mm O.D. x425mm long,3. Removal of bottom side dome covers Size size 400mm odx425 mm long,4 blinding shell side l flanges Size: 3" x 150# - 1Nos,<(>&<)>11/2"x150# (1no),5 Hand over the heat exchanger for hydroblasting.,6 Hydro Testing of exchanger tube plugging if leak found.,7. After hydrotesting normalising all excghanger nozzle by new gasket,Both dome <(>&<)> all flnage to be normalised with new gasket,All tool tackle , scffolding, hydra. Crane in contractor scope,DFPCL SCOPE - Power, Water bolts, permit <(>&<)> gaskets sheet	LE
245	1004755	PE-27 OPEN & BOX UP	This requisition requires the Contractor to open and box up the heat,exchanger PE-27, For open <(>&<)> box up.,1.Opening of i/l flange <(>&<)>o/l flange 20"x150# <(>&<)> 8"x150#,2 Removal of top side cover size 1027mm odx950 mm long,3. Removal of bottom side dome covers Size size 1027mmx950 mm long,4 blinding shell side l flanges Size: 8" x 150# - 1Nos <(>&<)>3"x150#, (1no),5 Hand over the heat exchanger for hydroblasting.,6 Hydro Testing of exchanger tube plugging if leak found.,7. After hydrotesting normalising all excghanger nozzle by new gasket,Both dome <(>&<)> all flnage to be normalised with new gasket,All tool tackle , scffolding, hydra. Crane in contractor scope,DFPCL SCOPE - Power, Water bolts, permit <(>&<)> gaskets sheet	LE
246	1004756	PE- 16 OPEN & BOX UP.	Contractor to open and box up the heat exchanger PE-16.,1.Opening of i/l flange <(>&<)>o/l flange 4"x150# <(>&<)> 2"x150#,2 Removal of top side cover size 450 mm O.D. x425mm long,3. Removal of bottom side dome covers Size size 450mm odx425 mm long,4 blinding shell side l flanges Size: 3" x 150# - 1Nos,<(>&<)>11/2"x150# (1no),5 Hand over the heat exchanger for hydroblasting.,6 Hydro Testing of exchanger tube plugging if leak found.,7. After hydrotesting normalising all excghanger nozzle by new gasket,Both dome <(>&<)> all flnage to be normalised with new gasket,All tool tackle , scffolding, hydra. Crane in contractor scope,DFPCL SCOPE - Power, Water bolts, permit <(>&<)> gaskets sheet	LE
247	1004757	PE-28 OPEN & BOX UP	Contractor to open and box up the heat exchanger PE-28.,1.Opening of i/l flange <(>&<)>o/l flange 12"x150# <(>&<)> 4"x150#,2 Removal of top side cover size 840mm odx800 mm long,3. Removal of bottom side dome covers Size size 840mmx800 mm long,4 blinding shell side l flanges Size: 4" x 150# - 1Nos <(>&<)>4"x150#, (1no),5 Hand over the heat exchanger for hydroblasting.,6 Hydro Testing of exchanger tube plugging if leak found.,7. After hydrotesting normalising all excghanger nozzle by new gasket,Both dome <(>&<)> all flnage to be normalised with new gasket,All tool tackle , scffolding, hydra. Crane in contractor scope,DFPCL SCOPE - Power, Water bolts, permit <(>&<)> gaskets sheet	LE

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248	1004759	O & B Jobs of D80301, Oil separator	<p>Scope of work: "O&lt;(&gt;&amp;&lt;)&gt;B Involves Opening and boxing up of Top cover of Main Oil, Separator D80301., REFERENCE: Drawing of Main oil separator and internals shall be provided, for reference., CONTRACTOR's SCOPE OF WORK-, 1. Disconnecting and removal of connecting line flanges. Blinding if, required for the connecting lines, shall be in contractors' scope., 2. Opening and removal of top cover (Max dia 800mm) with associated lines, (2 nos. 6" 2500#) and mist eliminator (internals) (Approx. weight 3, Ton). If required, the cover shall be shifted to a suitable nearby, location / workshop., 3. Cleaning of the separator from inside by cloth rags., 4. All the studs may also be required to be removed by to facilitate, lapping of the gasket seating area in vessel body., 5. In case the mist eliminator needs to be replaced, then an offset on, the new mist eliminator will have to be maintained by cutting and, welding., 6. Contractor shall arrange for all necessary tools &lt;(&gt;&amp;&lt;)&gt; tackles, required for the job., 7. Cleaning of gasket sealing surfaces on the cover and body, lapping, with special tools to be done if necessary, on both surfaces., 8. Cleaning of gasket seating areas of the connecting flanges surfaces,, if required lapping to be done on the RJ seating area., 9. Box up the cover with new gasket., 10. Tightening shall be carried out using Hydraulic bolt tightening, machine, provided by DFPCL., 11. Scaffolding required for the job shall be in contractor's scope., 12. If required, Contractor shall carry hot tightening of the flanges., 13. Contractor shall arrange manpower on round the clock basis for, carrying out the job within DFPCL time frame and also for attending any, leak, during plant start up., 14. Additional work if any required to be done in addition to the given, scope of work, shall be informed to the job coordinator before doing the, work., 15. Contractor shall fulfill all the conditions of safety permit and, ensure availability of all necessary PPE's., 16. Contractor shall be responsible for the housekeeping of his, workplaces and shall remove all unwanted materials from the work site, immediately after completion of work. Housekeeping shall also be done, in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy., DFPCL SCOPE OF WORK, Replacement of damaged nuts, connecting line studs, gasket, Power,, water, hydraulic bolt tightening machine, hydra/ crane / forklift if, necessary, grease and cleaners shall be supplied by DFPCL</p>	EA
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249	1004829	K302 A/B/C/D FAN REPLACEMENT	K302 A/B/C/D FAN REPLACEMENT JOB,CONTRACTOR'S SCOPE OF SUPPLY : ,1-REMOVAL OF BELT GUARD FROM POSITION,2-REMOVAL OF BELT FROM FAN,3-REMOVAL OF K302 FAN MOTOR FROM POSITION AND SHIFTING TO DESIGNATED,PLACE APPROX WEIGHT 500 KG,4-REMOVAL OF K302 FAN FROM POSITION AND SHIFTING TO DESIGNATED,PLACE WHICH IS 64" DIA FLANGE AND WEIGHT IS APPROX 1000KG,5-REMOVAL OF BELLOW ASSEMBLY OF 64" DIA.AND AGAIN BOXED UP WITH NEW,BELLOW,6-MANPOWER TO BE PROVIDED FOR DISMENTALING OF FAN WITH SHAFT FROM,POSITION.ANY CUTTING OR WELDING JOBS TO BE CARRIED OUT BY PARTY FOR,REMOVAL OF FAN.,7-SHIFTING OF SHAFT WITH BEARING ASSEMBLY FROM PRILLING TOWER TO,MECHANICAL WORK SHOP GR-3 (APPROX WEIGHT -500 KG),8-IF REQUIRED MANPOWER TO BE PROVIDED FOR ASSISTANCE DURING WELDING WORK,AT FAN BODY.,9-IF REQUIRED WELDING OF FOUNDATION BOLT TO BE CARRIED OUT BY CONTRACTOR,10-MANPOWER TO BE PROVIDED FOR ASSEMBLY WORK OF FAN .,11-SHIFTING OF FAN TO POSITION AND ERECTION WORK.,12-ERECTION OF FAN BELLOW TO POSITION WITH NEW BELOW.,13-REMOVAL AND BOXED UP OF MOTOR TO BE DONE TO CARRY OUT THE JOB,14-REMOVAL AND BOXED UP OF FAN / MOTOR GUARD.,15-SHIFTING OF FAN IMPELLER FROM WORKSHOP TO PRILLING TOWER TOP FLOOR,FOR ASSEMBLY WORK.,16-FAN IMPELLER WHICH IS REMOVED FOR MAINTENANCE WORK TO BE SHIFTED TO,MECHANICAL WORK SHOP.,17-AREA HOUSEKEEPING TO BE DONE AFTER JOBS COMPLETION.,18-FOLLOW ALL SAFETY NORMS,19-USE PPES DURING WORK,20- WORK TO BE DONE ROUND THE CLOCK,DFPCL SCOPE OF SUPPLY:-,1-SAFETY PERMIT TO BE PROVIDED BY DFPCL ENGINEER,2-WATER,ELECTRICITY WILL BE FREE OF COST.	EA
250	1004958	Replacement of belt WM301, ANP.	VENDORS SCOPE-,1.RELEASING BELT TENSION.,2.REMOVAL OF OLD BELT.,3.SHIFTING OF NEW BELT(26MTR) FROM LDAN GODOWN/STORE TO POSITION.,4.PROVIDING BELT TENSION AFTER COMPLETION OF JOINT.,5.SHIFTING OF OLD BELT AS PER INSTRUCTION.,6. HOUSEKEEPING TO BE DONE.,7.ALL SAFETY PPEs TO BE USED.,8.ALL OTHER ASSOCIATED JOBS UNDER CONTRACTORS SCOPE.,9.TOOL AND TACKLES UNDER CONTRACTOR SCOPE.,10.CONTRACTOR STRICTLY TO FOLLOW DFPCL ENGINEERS INSTRUCTION.,DFPCL/DSTL SCOPE-,1. SAFETY PERMIT ,POWER, AIR, WATER IF REQUIRED.	EA

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251	1004963	SUPPORT ROLLER REPLACEMENT OF DRUM 401	<p>SUPPORT ROLLER REPLACEMENT OF DRUM 401, CONTRACTOR'S SCOPE OF SUPPLY : ,1-FIRST OF ALL VISIT THE SITE TO SEE &lt;(&gt;&amp;&lt;)&gt; UNDERSTAND THE WORK, INVOLVED IN DRUM SUPPORT ROLLER REPLACEMENT OF 401, 2- SHIFTING OF SUPPORT ROLLER FROM STORE TO PLANT, 3- JACKING OF DRUM TO MAINTAIN GAP BETWEEN DRUM &lt;(&gt;&amp;&lt;)&gt; SUPPORT ROLLER, 4- OPENING OF BEARING &lt;(&gt;&amp;&lt;)&gt; REMOVAL OF SUPPORT ROLLER FROM POSITION, 5- ASSEMBLY OF NEW ROLLER OR ROLLER GRINDING WILL BE IN CONTRACTOR SCOPE, 6- FIXING OF NEW SUPPORT ROLLER WITH NEW BEARING ON POSITION, 7- ALIGNMENT OF TYRES W.R.T. SUPPORT ROLLER, 8- ANY CUTTING, WELDING REQUIRED FOR REMOVAL OF SUPPORT ROLLER WILL BE, CONTRACTOR SCOPE, 9- SHIFTING OF OLD SUPPORT ROLLER TO STORE, 10- AREA HOUSEKEEPING TO BE DONE AFTER JOBS COMPLETION., 11- USE PPES DURING WORK, 12- ALL TOOLS AND TACKLES TO BE PROVIDED BY CONTRACTOR TO CARRY OUT THE JOBS, 13- JOBS TO BE DONE AS PER SAFETY RULES AND REGULATION OF DFPCL AND ALL SAFETY APPLIANCES TO BE USED TO CARRY OUT THE JOB, JOB CO-ORDINATION:-, 1- CONTRACT SUPERVISOR SHOULD MEET IMMEDIATELY TO THE CONCERNED ENGINEER AFTER RECEIVING THE PURCHASE ORDER/LOI, 2- MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS PER INSTRUCTION OF CONCERNED ENGINEER., 3- JOB SHOULD BE IMMEDIATELY STARTED AS PER INSTRUCTION OF CONCERNED ENGINEER., DFPCL SCOPE OF SUPPLY:-, 1- SAFETY PERMIT TO BE PROVIDED BY DFPCL ENGINEER, 2- WATER, ELECTRICITY WILL BE FREE OF COST.</p>	EA
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252	1004967	Removal of CS/SS piping up to 10 mtr ht.	<p>Scope of work consist of removal of CS/SS pto sch40 piping up to 10mtr,height by using DA cutting set,grinding machine, opening of flange,joints, removal of valves, instrument etc. All safety PPEs should be,available with contract workers &lt;(&gt;&amp;&lt;)&gt; safety precautions to be taken .,Piping to be removed by using proper scaffolding.,Shifting the scrap material to designated area by using hydra as per,Engr.Incharge guideline. Do the housekeeping in plant area.,After job completion house keeping to be done.,Vendors scope:,1.To supply all competant manpower with all safety PPEs,2.Safety checks of welding machines, grinding machines, cutting sets DA,cylinders to be executed to avoid fire hazards.,3.All tools tackles, fabrication consumables etc to be supplied by,vendor,4.Execute the job with work safety and guidelines.,5.Scaffolding, Hydra are in vendors scope.,DFPCL/STL scope:,1.Job permit, electricity, water, air will be provided,2.Insulation removal,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes,Leather,apron, safety goggles, ear plugs, hand gloves, safety harness / belts,,overalls, gum boots etc. and other work equipment as required for safe,execution of work at his cost. Special PPEs/ safety appliances, if,required for any job as mentioned below job may be provided by the,company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	INM
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253	1004976	CS PLATE WELDING UP TO 5MM	VENDOR SCOPE-,1. SHIFTING PLATE FROM STORES OR SIDE.,2. CS PLATE WELDING UP TO 5MM WELDING COMPLETED IN THREE LAYER,3. WELDING ROOT LAYER.,4. INTERMIDATE LAYER.,3. FINAL LAYER,DFPCL/DSTL SCOPE-,1. POWER SUPPLY.,2.SAFETY PERMIT	INL
254	1004977	O&B end cover of D20316A/B CES Jckt Clr	Open <(>&<)> box up of end channel covers of D20316A/B CES Jacket water,cooler,JOB INVOLVES:,1. Opening and removal of end cover flanges at both ends of the,exchanger,to facilitate,tubes cleaning.,2. Box up the both end cover after cleaning,LHS End Cover: OD - 721 MM, Thicness: 54 MM,RHS End Cover: OD - 721 MM, Width: 527 MM <(>&<)> Thicness: 7.9 MM,Contractors Scope of work-,1. Hot tightening whenever required during plant start up <(>&<)> within,the guarantee period.,2. Arrange scaffolding for the job.,3. Proper storage and Cleaning of all the flange nuts <(>&<)> bolts to,facilitate reuse.,4.Proper cleaning of all the gasket seating area of the flanges. If,required repair,the gasket seating area of the flanges, for making it a leak proof,joint.,5. Arrange for all the hand tools, tested/ certified lifting tools and,and tackle requir for job,13. Competent manpower and supervisors to execute the job within DFPCL's,time frame.,6. Arrange for all the safety PPE, required for safely execution of the,jobs.,7. Contractor shall arrange for immediately attending the defective weld,joints,,if noticed during Radiography.,8. Total cleaning of site after completion of job.,9. Contractor to comply with all safety <(>&<)> statutory requirement.,DFPCL Scope of supply-,1.Free Power for the welding / electrical machines.,2.Free consumables like Nut bolts, Gaskets, Molykote for the job.,3. Provide hydra for lifting the covers,4.Providing Work Permits.	EA

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255	1004978	O&B D20303 Syn 3 clr tube bndl for clean	<p>Open &lt;(&gt;&amp;&lt;)&gt; box of Tube bundle of D3-0303 Synthesis 3rd stage cooler of, CES compressor, JOB INVOLVES:, Empty Weight of 3 rd stage Syn Gas Cooler 735 kgs. , Length - 5429, mm., 1. Dismantling of both side channel and covers, 2. Removal of all the above connecting lines,, 3. Removal of cooler tube bundle from shell and shifted in open to a, designated place, 4. After cleaning of cooler the hydrotest of tube bundle to be carried, out., 5. If found any tube leak arrange plug welding of tube. After tube, plugging, again hydrotesting to be done., 6. If found ok, Insert of tube budle in to a shell., 7. Boxed up the connected lines &lt;(&gt;&amp;&lt;)&gt; end cover, Contractor's Scope of work-, 1. Contractor to arrange for crane and hydra of adequate capacity., 2. The erection scheme of boiler to be submitted with offer along with, details of crane, crane &lt;(&gt;&amp;&lt;)&gt; its location, load charts., 3. Submitting various documents, welding procedures etc. to IBR &lt;(&gt;&amp;&lt;)&gt;, obtaining if require, 4. In addition to the above nozzles and pipes, if the replacement job, requires, dismantling of some additional pipes, flanges, valves, structures etc, from position, it, shall be in the contractor's scope., 5. Vent, drain or blow down valves if required to be replaced by, welding, shall be in, contractor's scope., 6. Fabrication of supports / platform during normalization, if required, to be, carried out. (DFPCL will issue structural material), 7. Hot tightening whenever required during plant start up &lt;(&gt;&amp;&lt;)&gt; within, the guarantee period., 8. Arrange scaffolding for the job., 9. Proper storage and Cleaning of all the flange nuts &lt;(&gt;&amp;&lt;)&gt; bolts to, facilitate reuse., 10. Proper cleaning of all the gasket seating area of the flanges. If, required repair, the gasket seating area of the flanges, for making it a leak proof, joint., 11. Arrange for the welding machines, grinding machines, gas cutting, sets, welding, consumables, stress relieving machines etc, required for the job., 12. Arrange for all the hand tools, tested/ certified lifting tools and, and tackle requir for job, 13. Competent manpower and supervisors to execute the job within DFPCL's, time frame., 14. Arrange for all the safety PPE, required for safely execution of the, jobs., 15. Contractor shall arrange for immediately attending the defective, weld joints,, if noticed during Radiography., 22. Total cleaning of site after completion of job., 23. Contractor to comply with all safety &lt;(&gt;&amp;&lt;)&gt; statutory requirement., DFPCL Scope of supply-, 1. Free Power for the welding / electrical machines., 2. Free consumables like Nut bolts, Gaskets, Molykote for the job., 3. Drawing of exchanger., 4. Structural material., 5. Piping material., 6. Provide od hydra / crane, 7. Providing Work Permits.</p>	EA
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256	1004979	O&B end cover of D20107 Methntr wtr clr	<p>Open &lt;(&gt;&amp;&lt;)&gt; box up of end channel covers of D20107 Methanator Product,Water Cooler,JOB INVOLVES;1. Opening and removal of end cover flanges at both ends of the,exchanger,to facilitate,tubes cleaning.,2. Box up the both end cover after cleaning,LHS End Cover: OD - 572 MM, Thicness: 45 MM,RHS End Cover: OD - 572 MM, Width: 483 MM &lt;(&gt;&amp;&lt;)&gt; Thicness: 9.5 MM,Contractors Scope of work-,1. Hot tightening whenever required during plant start up &lt;(&gt;&amp;&lt;)&gt; within,the guarantee period.,2. Arrange scaffolding for the job.,3. Proper storage and Cleaning of all the flange nuts &lt;(&gt;&amp;&lt;)&gt; bolts to,facilitate reuse.,4.Proper cleaning of all the gasket seating area of the flanges. If,required repair,the gasket seating area of the flanges, for making it a leak proof,joint.,5. Arrange for all the hand tools, tested/ certified lifting tools and,and tackle requir for job,13. Competent manpower and supervisors to execute the job within DFPCl's,time frame.,6. Arrange for all the safety PPE, required for safely execution of the,jobs.,7. Contractor shall arrange for immediately attending the defective weld,joints,,if noticed during Radiography.,8. Total cleaning of site after completion of job.,9. Contractor to comply with all safety &lt;(&gt;&amp;&lt;)&gt; statutory requirement.,DFPCl Scope of supply-,1.Free Power for the welding / electrical machines.,2.Free consumables like Nut bolts, Gaskets, Molykote for the job.,3. Provide hydra for lifting the covers,4.Providing Work Permits.</p>	EA
257	1004984	WNA-3 CT PUMP STRAINER CLEANING( 1 PUMP)	<p>SCOPE OF WORK:;WNA-3 CT PUMP STRAINER CLEANING(ONE PUMP),SCOPE OF WORK:-,ALL 150 #,1) Opening of 36" dia.flanges ( 2 Nos.),2) Removal of spool piece ( 400 KG ),3) Removal of strainer for cleaning.400 KG,4) Box up of strainer &lt;(&gt;&amp;&lt;)&gt; spool piece.400 KG,5) Box up of 36" dia.flanges ( 2 NoS.),6) Connected bellow 20" to be remove &lt;(&gt;&amp;&lt;)&gt; box up,CONTRACTORS SCOPE:;1) Contractor to maintain its supervisor at site for the job when ever,their activity is in progress.,2) The supervisor shall coordinate with DFPCl engineer for job details,and further problems associated with jobs.,3) Arrange for all the necessary manpower required for the job.,4) Contractor shall arrange all tools &lt;(&gt;&amp;&lt;)&gt; tackles required for job.,5)Hydra required shall be in contractors scope.,DFPCl SCOPE--1. Arrangement of permit to work.,2. All utilities (lighting arrangement, water, electricity, compressed,air) free of cost.,3. Technical documents &lt;(&gt;&amp;&lt;)&gt; refererence data for the turbine.,4. Spares and consumables required for the job.,4. Insulation and scaffolding jobs as per requirement.,TIME PERIOD :;Job to be carried on round the clock basis till the job is completed,and certified by DFPCl.,SAFETY :;All persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions using,safety helmets, safety belts, safety shoes, handgloves, goggles etc. as,required.,HOUSEKEEPING :;Contractor shall do housekeeping and shall remove all unwanted materials,from the work site immediately after completion of work.,Housekeeping shall also be done in between the work to keep the work,area clean &lt;(&gt;&amp;&lt;)&gt; tidy.</p>	EA

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258	1005008	WNA4 Surface Condensor dome open & boxu	<p>WNA#4 Surface Condensor dome open &amp; boxup,SCOPE OF WORK:-,1) Opening of both side domes for hydroblasting of Surface Condensor,(Size: 1950mm dia) X 2nos. Dome Wt:(2000 kg approx),2) Opening of connected lines, i.e Cooling Water,flange size 20" x 150# x 2nos.,3) Cutting of new gasket from gasket sheet.,4) Box up of dome and Connected lines with new gasket.,DFPCL SCOPE :;1) HYDRA/FORKLIFT FOR SHIFTING,2) 24 HRS WORK PERMIT.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &amp; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &amp; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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**The participating company's declaration:**

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**(Company name, seal and signature of authorized person with Designation)**

259	1005009	WNA4 Lube oil cooler dome open & boxup	<p>WNA#4 Lube oil cooler dome open &lt;(&gt;&amp;&lt;)&gt; boxup,SCOPE OF WORK:-,1) Opening of both side domes for hydroblasting of Lube oil Cooler,(Size: 680mm dia) X 2nos. Dome Wt:(250 kg approx),2) Opening of connected lines, i.e Cooling Water,flange size 8" x 150# x 2nos.,3) Cutting of new gasket from gasket sheet.,4) Box up of dome and Connected lines with new gasket.,DFPCL SCOPE : ,1) HYDRA/FORKLIFT FOR SHIFTING,2) 24 HRS WORK PERMIT.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified</p> <p>to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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260	1005010	WNA4 Ejector Condensor dome open & boxup	<p>WNA4 Ejector Condensor dome open &lt;(&gt;&amp;&lt;)&gt; boxup,SCOPE OF WORK:-,1) Opening of both side flange for hydroblasting of Ejector condensor,(Size: 200mm dia) X 2nos.,2) Opening of connected lines, i.e Cooling Water,flange size 3" x 150# x 2nos.,3) Opening of Spool Piece of Size 200mm dia and length 300mm.,3) Cutting of new gasket from gasket sheet.,4) Box up of flange,Spool Piece and Connected lines with new gasket.,DFPCL SCOPE :,1) HYDRA/FORKLIFT FOR SHIFTING,2) 24 HRS WORK PERMIT.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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261	1005011	WNA4 BFW Seal Cooler open & boxup	<p>WNA4 BFW Seal Cooler open &lt;(&gt;&amp;&lt;)&gt; boxup,SCOPE OF WORK:-,1) Opening of flanges for hydroblasting of Seal Cooler,(Size: 200 mm dia),,2) Opening of connected lines, i.e Cooling Water,flange size 1" x 150# x 4 nos.,,3) Cutting of new gasket from gasket sheet.,,4) Box up of Flange and Connected lines with new gasket.,DFPCL SCOPE :,1) HYDRA/FORKLIFT FOR SHIFTING,2) 24 HRS WORK PERMIT.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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262	1005012	WNA4 BWC Seal Cooler open & boxup	<p>WNA#4 BWC Seal Cooler open &lt;(&gt;&amp;&lt;)&gt; boxup,SCOPE OF WORK:-,1) Opening of flanges for hydroblasting of Seal Cooler (Size: 200 mm,dia),,2) Opening of connected lines, i.e Cooling Water flange size 1" x 150# x,4 nos.,3) Cutting of new gasket from gasket sheet.,4) Box up of Flange and Connected lines with new gasket.,DFPCL SCOPE :,1) HYDRA/FORKLIFT FOR SHIFTING,2) 24 HRS WORK PERMIT.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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263	1005013	WNA-3 chiller NH3 Condenser dome O/B	<p>WNA-3 chiller NH3 Condenser dome O/B,SCOPE OF WORK:-,1. Exchanger both side cooling water Dome opening(20"X 2Nos)150#,2. Removal of 1 mtr lenght 1" size PSV spool piece.,3. Normalise of all flange, Connecting Pipe Line and dome after hydro,testing (150#),DFPCL SCOPE :,1) HYDRA/FORKLIFT FOR SHIFTING,2) 24 HRS WORK PERMIT.,3) SAFETY PERMIT,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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264	1005014	WNA-3 chiller Reflux Condenser dome O/B	<p>WNA-3 chiller NH3 Condenser dome O/B,SCOPE OF WORK:-,1. Cooling water line deflange( 2" X 2 Nos),2. Process Gas Side 3" &lt;(&gt;&amp;&lt;)&gt; 32" Flange opening.,3. 1.5 MT weight exchanger removal to ground floor with help of crane.,4. Both side exchanger dome opening(16" X 2 Nos ),5. Refixing of Exchanger on chiller with help of crane.,6. normalise of all flange, Connecting Pipe Line and dome.,DFPCL SCOPE :,1) HYDRA/FORKLIFT FOR SHIFTING,2) 24 HRS WORK PERMIT.,3) SAFETY PERMIT,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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265	1005033	Remove & box up of D20324U tube bundle	<p>SCOPE OF WORK,Removal and reinstallation of U tube bundle of D20324, EXCHANGER CES A, &lt;(&gt;&amp;&lt;)&gt; B,1) O&lt;(&gt;&amp;&lt;)&gt; B of end cover : 24" IND - 01 nos,2) Removal &lt;(&gt;&amp;&lt;)&gt; box up of Tube bundle weight: 800 KG,CONTRACTORS SCOPE OF WORK,1. Opening of end covers / spool piece and opening of connecting line,flanges.,2. Removal of U tube bundle to facilitate cleaning of tubes externally,and also internally.,3. Cleaning of studs/ bolts and nuts, cleaning of all gasket seating,area and if required lapping of gasket seating area.,4. If required hydrotesting of tube bndle and plugging of leaky tubes to,be done.,5. Boxing up the tube bundle in shell.,6. Normalising of end covers and connecting lines,7. Provide Scaffolding wherever required for the job.,8. CAF gaskets wherever required shall be cut by the contractor.,9. Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles including,welding machine and consumables for timely completion of all jobs.,10. Welding of plugs on ends of leaky tubes.,11. Contractor shall keep manpower ready to attend flange leak if any,,during hydro test / taking the equipment in line.,12. If any bolts requires to be cut that will not be considered as,additional job.,13.Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPCL job coordinator.,14. All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components.,15. Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,16. Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work site,immediately after completion of work. Housekeeping shall also be done,in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,17. Quantity of job given is tentative and may vary as per DFPCL,requirement, payment shall be done only on the basis of actual job done.,DSTL SCOPE OF WORK,Shall provide cleaning materials, air and power for the job,Shall provide hydra for job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s</p>	EA
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266	1005052	H-7409 BUCKET ELEVATOR CHAIN REPLACEMENT	<p>H-7409 BUCKET ELEVATOR CHAIN REPLACEMENT,VENDOR SCOPE,1) OPENING OF BOOT COVERS OF H7409 BUCKET ELEVATORS INSPECTION DOORS,2) RELEASING OF CHAIN TENSION,3) REMOVING TOP HOOD OF THE BUCKET ELEVATOR CASING,4) OPENING OF CHAIN LINK,5) REMOVAL OF CHAIN ALONGWITH BUCKET,6) DISMANTLING OF BUCKET FROM OLD CHAIN,7) INSTALLATION OF NEW CHAIN AND JOINTING,TOTAL HEIGHT OF BUCKET,ELEVATOR IS 42 M,8) FIXING OF BUCKET ON NEW CHAIN - 161 NOS.,9) PROVIDING TENSION FOR RECOMMISSIONING,10) BOXING UP OF COVERS AND INSPECTION DOORS,11) SHIFTING OF OLD CHAIN TO SCRAP AREA,12) COMPLETE HOUSEKEEPING OF THE AREA TO BE DONE.,13) Entire material,consumable required for the job will be under,contractor scope.,14) Job has to be done round the clock basis,DFPCL scope:,1) DSTL will provide required work permit.,2) DSTL will provide Electrical power free of cost.,3) DSTL will provide Water Free of cost.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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267	1005091	C.S.PLATE UP TO 6 MM CUTTING AND WELDING	<p>SCOPE OF WORK,C.S.PLATE UP TO 6 MM CUTTING AND WELDING.,CONTRACTORS SCOPE OF WORK,01 CUTTING OF PLATE UP TO 6 MM BY GAS CUTTING OR GRINDING,02 WELDING OF PLATE UP TO 6 MM BY ARC WELDING,03 D.P.TESTING WITH MATERIAL IN VENDOR SCOPE,04 CONSUMABLE REQUIRE FOR DO THE WORK IN VENDOR SCOPE,EXAMPLE :- ELECTRODES,GRINDING WHEEL,WELDING MACHINE,GRINDING MACHINE,,GAS CUTTING SET,GAS CYLINDER ,ALL CONSUMABLE AND,MANPOWER REQUIRE FOR DO THE WORK IN VENDOR SCOPE,05 EXTENSION BOARD 25 MT LONG WITH ELCB CONNECTION AS PER SAFETY NORMS,06 ALL SAFETY PPE AND GADGETS IN VENDOR SCOPE.,DFTP SCOPE OF WORK,PROVISION OF PERMIT, Electricity,water and air.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	IN
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268	1005096	PE-7 OPEN & BOX UP	<p>SCOPE OF WORK,PE-7 OPEN &lt;(&gt;&amp;&lt;)&gt; BOX UP,CONTRACTORS SCOPE OF WORK,(1) Opeining of top flange size 4"x300#,(2)Opening of bottom flange size 11/2"x300#,(3)Blinding of process i/l size 2"x300#,(4) Blinding of process o/l line flange size 11/2"x300#,(5)Opening of top dome cover size 15 3/8" &lt;(&gt;&amp;&lt;)&gt; 16 13/16" long,&lt;(&gt;&amp;&lt;)&gt; shifting on ground,(6)Opening of bottom dome cover size 15 3/8" &lt;(&gt;&amp;&lt;)&gt; 16 13/16" long,&lt;(&gt;&amp;&lt;)&gt; shifting on ground,(7) Tube leak test by hydro &lt;(&gt;&amp;&lt;)&gt; plugging of leaky tube,(8) Hydrotesting of equipment,(9) After hydrotesting normalising equipment with new gasket,(10) Handover exchanger to operation,(11) Any leak to be attended free of cost during operation,(12) sacffolding hydra tools &lt;(&gt;&amp;&lt;)&gt; tackles in contractor scope,DFPCL SCOPE OF WORK,(1) Make available the equipment for opening,(2)Water, power,,(3) Gasket,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary , workmen and supervision to,start the work within 24 hours of instruction from dfpcl.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,1. Contractor shall ensure mobilization of all required resources and,completion of the job timely</p>	EA
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**I/We confirm having accepted all the terms as mentioned above.**

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**(Company name, seal and signature of authorized person with Designation)**

269	1005097	PE-13 OPEN & BOX UP	<p>SCOPE OF WORK,PE-13OPEN &lt;(&gt;&amp;&lt;)&gt; BOX UP.,CONTRACTORS SCOPE OF WORK,(1) Opeining of front end flange size 4"x150#, (2)Opening of rear end flange size 4"x1500#, (3)Blinding of process i/l size 3"x150#, (4) Blinding of process o/l line flange size 1"x150#, (5)Opening of front dome cover size 8" &lt;(&gt;&amp;&lt;)&gt; 21 3/4" 13/16" long, &lt;(&gt;&amp;&lt;)&gt; shifting on ground., (6)Opening of rear dome cover size 8" &lt;(&gt;&amp;&lt;)&gt; 16 3/4" long &lt;(&gt;&amp;&lt;)&gt;, shifting on ground, (7) Tube leak test by hydro &lt;(&gt;&amp;&lt;)&gt; plugging of leaky tube, (8) Hydrotesting of equipment, (9) After hydrotesting normalising equipment with new gasket, (10) Handover exchanger to operation, (11) Any leak to be attended free of cost during operation, (12) sacffolding hydra tools &lt;(&gt;&amp;&lt;)&gt; tackles in contractor scope, DFPCL SCOPE OF WORK, (1) Make available the equipment for opening, (2) Water, power, safety permit, (3) Gasket, SAFETY PRECAUTIONS, The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety, procedures as per the safety standards and comply with the safety, requirements., The contractor is required to deploy persons for specific jobs who are, trained and skilled in particular trade and well familiar with hazards, and safety precautions., The site staff and workers of the contractors are required to undergo, safety orientation before they are assigned work at site. No person, shall be allowed at work site without safety orientation., The contractor shall ensure that any time during the performance of the, work his personnel are fit to execute the tasks assigned and are not, under the influence of any alcoholic liquor, drug or other intoxicating, substances., The contractor shall provide personal protective equipment as specified, to it's staff and workmen such as, safety helmets, safety shoes, safety, goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum, boots etc. and other work equipment as required for safe execution of, work at his cost. Special PPEs/ safety appliances, if required for any, job as mentioned below job may be provided by the company, on chargeable / returnable basis (cost of repair or damage as a result, of mishandling will be charged from the contractor)., WORKINGHOURS, Normal working time shall be same as the general shift timing of the, respective sites. This will be 8 working hours excluding lunch time., However based on the job requirement during the planned / unplanned, shutdown/ emergencies or as per plant requirement and instructions of, EIC, contractor shall work beyond normal working hours also. No separate, / additional compensation shall be payable for the same., MOBILIZATION, Contractor shall arrange for necessary , workmen and supervision to, start the work within 24 hours of instruction from dfpcl., HOUSEKEEPING, It is the responsibility of the contractor to ensure good housekeeping, at work site. The scrap debris, unwanted material etc. shall be removed, frequently from the work place to avoid accident and work area shall be, kept tidy. Gangways shall be kept clear of obstructions. Contractor, shall deploy dedicated personnel for housekeeping., JOB COMPLETION TIME, Contractor shall ensure mobilization of all required resources and, completion of the job timely</p>	EA
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270	1005151	REPLACEMENT OF HEAT EXCHANGER	<p>SCOPE OF WORK,REPLACEMENT OF HEAT EXCHANGER.,CONTRACTORS SCOPE OF WORK,01 REMOVAL OF PRE-INSTALLED HEAT EXCHANGER,* Opening of all connected flanges &lt;(&gt;&amp;&lt;)&gt; hoses to heat exchanger.,* Removal of supports &lt;(&gt;&amp;&lt;)&gt; pipe lines conncted to H.E. if,required.,* removal of Heat Exchanger &lt;(&gt;&amp;&lt;)&gt; shifting to safe place as per,instructed by dfpcl.,02 Installation &lt;(&gt;&amp;&lt;)&gt; Erection of New HEAT EXCHANGER,* lifting &lt;(&gt;&amp;&lt;)&gt; shifting of Heat Exchanger from store to site if,required.,* Fabrication &lt;(&gt;&amp;&lt;)&gt; erection of supports &lt;(&gt;&amp;&lt;)&gt; pipe lines,conncted to H.E. if required.,* Box up of all connected flanges &lt;(&gt;&amp;&lt;)&gt; hoses to heat exchanger.,DFTP SCOPE OF WORK,PROVISION OF PERMIT Electricity,water and air Material Required fro job,eg. Pipes, elbow,flanges &lt;(&gt;&amp;&lt;)&gt; gaskets, nut bolts etc.,SAFETY PRECAUTIONS,The contractor shall follow safety rule &lt;(&gt;&amp;&lt;)&gt; regulations,safety,procedure as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company on chargeable,/ returnable basis (cost of repair or damage as a result of mishandling,will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	KG
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**(Company name, seal and signature of authorized person with Designation)**

271	1005161	PE-21 OPEN & BOX UP	<p>SCOPE OF WORK,PE-21 OPEN &lt;(&gt;&amp;&lt;)&gt; BOX UP,CONTRACTORS SCOPE OF WORK,(1) Opeining of front end flange size 2"x150#,(2) Opening of process out let flange 16"x150#,(3) Opening of process in let line 6" x150# 3no,(4) Blinding of steam nozzle flange size 8"x150# &lt;(&gt;&amp;&lt;)&gt; 3"x150#,(5) Opening of top cover dia 1200 mm removal by crane,(6) Opening of bottom cover dia 1200 mm,(7) Making arrangement for hydro testing,(8) Hydrotesting of equipment plugging of tube if found leak,(9) After hydrotesting normalising equipment with new gasket,(10) Handover exchanger to operation,(11) Any leak to be attended free of cost during operation,(12) sacffolding crane , tools &lt;(&gt;&amp;&lt;)&gt; tackles in contractor scope,DFPCL SCOPE OF WORK,(1) Make available the equipment for opening,(2) Water, power, safety permity,(3) Gasket,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary , workmen and supervision to,start the work within 24 hours of instruction from dfpcl.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,Contractor shall ensure mobilization of all required resources and,completion of the job timely</p>	EA
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272	1005162	Fab & weld. High press.pipes of SChXXS	<p>SCOPE OF WORK,The scope of work shall include transportation of pipes from,Stores to worksite, cutting of pipes, edge preparation of the,pipes &lt;(&gt;&amp;&lt;)&gt; welding as per QAP.,For carrying out this job approved QAP to be followed.,CONTRACTORS SCOPE OF WORK,1) At pipe gronding &lt;(&gt;&amp;&lt;)&gt; edge preparation as per WPS. Carrying out DP,after edge preparation.,2) Fit up to be done &lt;(&gt;&amp;&lt;)&gt; get it inspected if required as per QAP.,3) Preheating to be done by coil heating.Temp:100 degree celcius.,4) Separate thermocouple &lt;(&gt;&amp;&lt;)&gt; recorder to be maintain for heat,process.dressing.,5) Interpass temperature to be maintain 150 Degree celcius fabricated,piece.,6) Root Run by Tig welding(ER-70S2),7) All other passes by SMAW(E-7018),8) During TIG argon Shielding 99.9(8-10 LPM),9) Preheating of Rod in oven upto 120 Degree,10) After Welding Stress relieving to be done with electrical coil 620,degree to 650 degree celcius.,11) ROOT DP to be done as per QAP.,12) Final DP to be done as per QAP.,13) After Final Run RT to be done if required as per QAP.,14) Application of two coats primer / redoxide on the pipe.,15) Returning of balance materials to the stores.,for mitre fabrication 20% extra will be paid on applicable rate.,16) Skilled manpower wih approved Welder qualification process welder,should be,6G qualified for Heavy thickness.,17) Mechanical supervisor from vender to co-ordinae with engineer for,any other minor related to activty (blinding/flange opening),18) Repair if any after RT inspection.,19) Follow QAP/WPS of inspection department DFPC.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender.,2) Any material required for installation informed well in advance to,DSTL will be provided by DSTL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in mechanical fabrication activty and well familiar,with hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 4day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good,housekeeping at work site.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization and completion of the job including,dismantling, etc. as per EIC instructions.</p>	IND
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**The participating company's declaration:**

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273	1005163	WC-6700 OPEN & BOX UP NEW CO2	<p>SCOPE OF WORK,WC-6700 Ammonia condensor new co2 open box up,CONTRACTORS SCOPE OF WORK,(1) Opening of inlet cooling water line size 10"x150#,(2) Opening of outlet cooling water line size 10"x150#,(3) Opening of front end cover dia 650mm length-800mm,(4) Opening of rear end cover dia 650mm length-800mm,(5) Hand over exchanger for hydrojetting,(6) Box up exhaner with new gasket,(7) gasket to be cut by 3mm sheet in contractor scope,(8) After hydrotesting normalising equipment with new gasket,(9) Handover exchanger to operation,(10) Any leak to be attended free of cost during operation,(11) Scaffolding crane , tools &lt;(&gt;&amp;&lt;&gt; tackles in contractor scope,DFPCL SCOPE OF WORK,(1) Make available the equipment for opening,(2) Water, power,,(3) Gasket sheet,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary , workmen and supervision to,start the work within 24 hours of instruction from dfpcl.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,Contractor shall ensure mobilization of all required resources and,completion of the job timely</p>	EA
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***pg. 121***

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***(Company name, seal and signature of authorized person with Designation)***

274	1005164	WC-6200 OPEN & BOX UP OLD CO2	<p>SCOPE OF WORK,WC-6200 OPEN &lt;(&gt;&amp;&lt;)&gt; BOX UP,CONTRACTORS SCOPE OF WORK,(1) Opeining of inlet cooling water line size 10"x150#, (2) Opening of outlet cooling water line size 10"x150#, (3) Opening of front end cover dia 650mm length-800mm, (4) Opening of rear end cover dia 650mm length-800mm, (5) Hand over exchanger for hydrojetting, (6) Box up exhaner with new gasket, (7) gasket to be cut by 3mm sheet in contractor scope, (8) After hydrotesting normalising equipment with new gasket, (9) Handover exchanger to operation, (10) Any leak to be attended free of cost during operation, (11) Scaffolding crane , tools &lt;(&gt;&amp;&lt;)&gt; tackles in contractor scope, DFPCL SCOPE OF WORK, (1) Make available the equipment for opening, (2) Water, power,, (3) Gasket sheet, SAFETY PRECAUTIONS, The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety, procedures as per the safety standards and comply with the safety, requirements., The contractor is required to deploy persons for specific jobs who are, trained and skilled in particular trade and well familiar with hazards, and safety precautions., The site staff and workers of the contractors are required to undergo, safety orientation before they are assigned work at site. No person, shall be allowed at work site without safety orientation., The contractor shall ensure that any time during the performance of the, work his personnel are fit to execute the tasks assigned and are not, under the influence of any alcoholic liquor, drug or other intoxicating, substances., The contractor shall provide personal protective equipment as specified, to it's staff and workmen such as, safety helmets, safety shoes, safety, goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum, boots etc. and other work equipment as required for safe execution of, work at his cost. Special PPEs/ safety appliances, if required for any, job as mentioned below job may be provided by the company, on chargeable / returnable basis (cost of repair or damage as a result, of mishandling will be charged from the contractor)., WORKINGHOURS, Normal working time shall be same as the general shift timing of the, respective sites. This will be 8 working hours excluding lunch time., However based on the job requirement during the planned /unplanned, shutdown/ emergencies or as per plant requirement and instructions of, EIC, contractor shall work beyond normal working hours also. No separate, / additional compensation shall be payable for the same., MOBILIZATION, Contractor shall arrange for necessary , workmen and supervision to, start the work within 24 hours of instruction from dfpcl., HOUSEKEEPING, It is the responsibility of the contractor to ensure good housekeeping, at work site. The scrap debris, unwanted material etc. shall be removed, frequently from the work place to avoid accident and work area shall be, kept tidy. Gangways shall be kept clear of obstructions. Contractor, shall deploy dedicated personnel for housekeeping., JOB COMPLETION TIME, Contractor shall ensure mobilization of all required resources and, completion of the job timely</p>	EA
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275	1005165	K1101/2 COOLER OPEN & BOX UP	<p>SCOPE OF WORK,K1101/2 COOLER OPEN &lt;(&gt;&amp;&lt;)&gt; BOX UP,CONTRACTORS SCOPE OF WORK,(1) Opeining of cooler cover 8" (4no) removal of bundle box up again,after cleaning,(2)Opening of 2nd stage cooler cover size 12" (2N0) bundle removal,&lt;(&gt;&amp;&lt;)&gt;fixing,(3)Opening of 3rd stage cooler bundle size 4" (6N0) bundle removal,&lt;(&gt;&amp;&lt;)&gt; nfixing,(4) Removal of inlet &lt;(&gt;&amp;&lt;)&gt; out let flange size 4" (14N)),(5) Removal of all 1"" hose inlet &lt;(&gt;&amp;&lt;)&gt; outlet of cooling water line,(6) Box up cooler with new gasket &lt;(&gt;&amp;&lt;)&gt; normalising all i/l &lt;(&gt;&amp;&lt;)&gt;,o/l line hoses,(7) Handover exchanger to operation,(8) Any leak to be attended free of cost during operation,(9) sacffolding crane , tools &lt;(&gt;&amp;&lt;)&gt; tackles in contractor scope,DFPCL SCOPE OF WORK,(1) Make available the equipment for opening,(2) Water, power,,(3) Gasket sheet,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary , workmen and supervision to,start the work within 24 hours of instruction from dfpcl.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,Contractor shall ensure mobilization of all required resources and,completion of the job timely</p>	EA
276	1005212	CS/LTCS Pipe (SAW) Sch - 80	<p>Fabrication &lt;(&gt;&amp;&lt;)&gt; welding of CS/LTCS pipes (SAW) schedule 80.,The scope of work shall include transportation of pipes from Stores to,worksite,,cutting of pipes, edge preparation of the pipes, making fit up and,carrying out welding and necessary dressing. Returning of balance,materials to the stores. For mitre fabrication 20% extra will be,paid on applicable rate.</p>	IND

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277	1005218	O&B Top Cvr 54"X300# Sec. Refmr D80103	<p>SCOPE OF WORK,Open &lt;(&gt;&amp;&lt;)&gt; Box up of Top Dome Cover of Secondary Reformer D80103,Top Dome Cover Flange Size: 54" Dia X 300# X 17 mm thickness.,CONTRACTORS SCOPE OF WORK,1) Open the bolts of top dome cover and lift the cover.,2) Clean &lt;(&gt;&amp;&lt;)&gt; grease the cover bolts,3) Clean the manhole cover sealing face,4) After Inspection box up the cover properly with torque tightening,with provided new gasket.,DSTL SCOPE OF WORK,Shall provide cleaning materials, air and gasket for the job,Shall provide provide scaffolding if require for the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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**(Company name, seal and signature of authorized person with Designation)**

278	1005223	H-7119 BELT CONVEYOR REPLACE	<p>SCOPE OF WORK,H-7119 CONVEYOR BELT TO BE REPLACE WITH NEW ONE. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW BELT AT SITE FOR REPLACEMENT,2) REMOVING OF SKIRT BOARD ASSEMBLY,3)THIS BELT HAS TO BE LAYDOWN INSIDE FROM THE UNDERNEATH GANTRY SO,ACCESS NEED TO MADE,4) REMOVING OF SKIRT BOARD ASSEMBLY,5) REMOVING OF OLD BELT FROM POSITION - APPROX 54 MTR,800MM WIDTH AND 4,PLY RATING,5A)LAYING DOWN OF NEW BELT IN POSITION APPROX-54 MTR,800MM WIDTH AND 4,PLY RATING,5B)CLAMPING THE BELT IN POSITION AS PER BELT JOINTER REQUIREMENT,6)ASSISTING BELT JOINTER FOR COLD/HOT VULCANISING OF THE BELT JOINT.,7) CHECKING OF ALL THE ROLLERS,JAMMED ROLLERS TO BE MADE FREE,8)DAMAGED ROLLERS TO BE REPLACE WITH NEW ONE.,9)LUBRICATION OF ALL THE PLUMMER BLOCK BEARINGS USED IN A BELT.,10)SKIRT RUBBER REPLACEMENT WITH NEW ONE.,11)REMOVING OF CLAMP FROM POSITION AFTER PROPER CURING OF BELT JOINT,12) PROPER TENSIONING OF BELT WITH SCREW TAKE UP AFTER REMOVING THE,CHAIN BLOCK.,13) TAKING TRIAL OF THE BELT IN CONSULTATION WITH DSTL ENGG,14)REMOVING THE BELT OFF CENTER IF REQUIRED AS PER DSTL GUIDELINES,15)ANY CONSUMABLE REQUIRED FOR THE JOB WILL BE UNDER CONTRACTOR SCOPE.,16) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,17) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,18) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF SURROUNDING AND BELT BEFORE DISMANTLING THE SAME.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified</p> <p>to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration</p>	LE
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**The participating company's declaration:**

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**I/We confirm having accepted all the terms as mentioned above.**

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**(Company name, seal and signature of authorized person with Designation)**

is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions.

***The participating company's declaration:***

***I/We confirm having accepted all the terms as mentioned above.***

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***(Company name, seal and signature of authorized person with Designation)***

279	1005224	H-7121 BELT CONVEYOR REPLACE	<p>SCOPE OF WORK,H-7121 CONVEYOR BELT TO BE REPLACE WITH NEW ONE. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW BELT AT SITE FOR REPLACEMENT,2) REMOVING OF SKIRT BOARD ASSEMBLY,3)THIS BELT HAS TO BE LAYDOWN INSIDE FROM THE UNDERNEATH GANTRY SO,ACCESS NEED TO MADE,4) REMOVING OF SKIRT BOARD ASSEMBLY,5) REMOVING OF OLD BELT FROM POSITION - APPROX 22 MTR,800MM WIDTH AND 4,PLY RATING,5A)LAYING DOWN OF NEW BELT IN POSITION APPROX-22 MTR,800MM WIDTH AND 4,PLY RATING,5B)CLAMPING THE BELT IN POSITION AS PER BELT JOINTER REQUIREMENT,6)ASSISTING BELT JOINTER FOR COLD/HOT VULCANISING OF THE BELT JOINT.,7) CHECKING OF ALL THE ROLLERS,JAMMED ROLLERS TO BE MADE FREE,8)DAMAGED ROLLERS TO BE REPLACE WITH NEW ONE.,9)LUBRICATION OF ALL THE PLUMMER BLOCK BEARINGS USED IN A BELT.,10)SKIRT RUBBER REPLACEMENT WITH NEW ONE.,11)REMOVING OF CLAMP FROM POSITION AFTER PROPER CURING OF BELT JOINT,12) PROPER TENSIONING OF BELT WITH SCREW TAKE UP AFTER REMOVING THE,CHAIN BLOCK.,13) TAKING TRIAL OF THE BELT IN CONSULTATION WITH DSTL ENGG,14)REMOVING THE BELT OFF CENTER IF REQUIRED AS PER DSTL GUIDELINES,15)ANY CONSUMABLE REQUIRED FOR THE JOB WILL BE UNDER CONTRACTOR SCOPE.,16) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,17) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,18) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF SURROUNDING AND BELT BEFORE DISMANTLING THE SAME.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified</p> <p>to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration</p>	LE
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**pg. 127**

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is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions.

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280	1005226	H7125/H7525 bucket elevator chain reduct	<p>SCOPE OF WORK,H7125/H7525 BUCKET ELEVATOR CHAIN LENGTH REDUCTION - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) MAKING PREPRATION WITH REQUIRED TOOLS FOR ELEVATOR CHAIN LENGTH,REDUCTION.,2) OPENING OF BOTTOM SIDE INSPECTION WINDOW,FRONT AS WELL AS BACK,3)ENSURING PROPER CLEANING OF NUCKET ELEVATOR BOOT,4) POSITIONING OF CHAIN PULY BLOCK TO HOLD THE CHAIN IN POSITION,5)LOOSENING OF CHAIN TENSION BOLTS .,6)REMOVING OF 4 NOS BUCKET FROM POSITION BY REMOVING BOLTS BY GAS,CUTTING,7) LIFTING OF TAIL SPROCKET UPTO MAXIMUM HEIGHT AS PER AVAILABLE SLOT.,8) CUTTING OF ONE SIDE CHAIN LINK AND REMOVING LINK FROM POSITION.,9) REJOINTING THE CHAIN AGAIN WITH NEW SPLIT PINS.,10) CUTTING OF SECOND SIDE CHAIN LINK AND REMOVING LINK FROM POSITION.,11) REJOINTING THE CHAIN AGAIN WITH NEW SPLIT PINS.,12) FIXING OF BUCKETS WITH NEW BOLTS M12X50MM LONG AND TAG WELDING,13) LOOSENING THE CHAIN TENSION FROM BOTH CHAIN PULY BLOCK,14) PROPER POSITIONING OF SPROCKET ON CHAIN AND SETTING OF CHAIN TENSION,BOLT.,15) TRIAL RUN OF THE ELEVATOR &lt;(&gt;&amp;&lt;)&gt; BOXING UP THE INSPECTION COVERS,16) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF BUCKET ELEVATOR BOOT BEFORE JOB START UP.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified</p> <p>to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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**The participating company's declaration:**

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**(Company name, seal and signature of authorized person with Designation)**

281	1005228	D7101/D7501 granulator rubber panel repl	<p>SCOPE OF WORK,D7101/D7501 GRANULATOR DRUM RUBBER PANEL REPLACEMENT. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW RUBBER PANEL AT SITE FOR REPLACEMENT,2) REMOVING OF OLD RUBBER PANELS FROM POSITION BY REMOVING HOLDING STRIP,3)RUBBER PANEL SIZE WILL BE 1000 MM WIDTH X 10 MTR LONG,4) ENSURING COMPLETE CLEANLINESS OF GRANULATOR INTERNAL SHELL,5)ENSURE THE DIRECTION OF ROTATION OF THE DRUM BEFORE FIXING TO HAVE,PROPER OVERLAPPING .,6) FIXING OF NEW RUBBER PANEL IN POSITON ONE BY ONE,7) AFTER TIGHTNING OF ALL BOLTS OF HOLDING CLAMP ANOTHER PANEL TO BE FIX,8) TOTAL 10 NOS PANELS ARE THERE,ONLY DEFECTIVE NEEDS TO BE REPLACE,9) AFTER FIXING OF ALL PANELS TO BE GET INSPECTED BY DSTL ENGG,10) TAKING TRIAL OF THE GRANULATOR DRUM IN CONSULTATION WITH DSTL ENGG,11) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,12) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,13) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF GRANULATOR DRUM FROM INSIDE BEFORE STARTING HE,JOB.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.In addition to that proper locking of drum girtheat to be,done by inserting suitable material on both the support rollers to avoid,rotation of the drum due to material imbalance.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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**The participating company's declaration:**

**pg. 130**

**I/We confirm having accepted all the terms as mentioned above.**

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**(Company name, seal and signature of authorized person with Designation)**

282	1005233	H-7103 /H7503 BELT CONVEYOR REPLACE	<p>SCOPE OF WORK,H-7103 /H7503 CONVEYOR BELT TO BE REPLACE WITH NEW ONE. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW BELT AT SITE FOR REPLACEMENT,2) REMOVING OF SKIRT BOARD ASSEMBLY,3) REMOVING OF OLD BELT FROM POSITION - APPROX 28 MTR,1000MM WIDTH AND 4,PLY RATING,4)LAYING DOWN OF NEW BELT IN POSITION APPROX-28 MTR,1000MM WIDTH AND 4,PLY RATING,5)CLAMPING THE BELT IN POSITION AS PER BELT JOINTER REQUIREMENT,6)ASSISTING BELT JOINTER FOR COLD/HOT VULCANISING OF THE BELT JOINT.,7) CHECKING OF ALL THE ROLLERS,JAMMED ROLLERS TO BE MADE FREE,8)DAMAGED ROLLERS TO BE REPLACE WITH NEW ONE.,9)LUBRICATION OF ALL THE PLUMMER BLOCK BEARINGS USED IN A BELT.,10)SKIRT RUBBER REPLACEMENT WITH NEW ONE.,11)REMOVING OF CLAMP FROM POSITION AFTER PROPER CURING OF BELT JOINT,12) FIXING OF REMOVED BRACKETS IN POSITION WITH ROLLERS,13) PROPER TENSIONING OF BELT WITH SCREW TAKE UP AFTER REMOVING THE,CHAIN BLOCK.,14) TAKING TRIAL OF THE BELT IN CONSULTATION WITH DSTL ENGG,15)REMOVING THE BELT OFF CENTER IF REQUIRED AS PER DSTL GUIDELINES,16)ANY CONSUMABLE REQUIRED FOR THE JOB WILL BE UNDER CONTRACTOR SCOPE.,17) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,18) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,19) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF SURRIOUNDING AND BELT BEFORE DISMANTLING THE SAME.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations</p>	LE
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shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.

***The participating company's declaration:***

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***(Company name, seal and signature of authorized person with Designation)***

283	1005234	H-7104 /H7504 BELT CONVEYOR REPLACEMENT.	<p>SCOPE OF WORK,H-7104 /H7504 CONVEYOR BELT TO BE REPLACE WITH NEW ONE. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW BELT AT SITE FOR REPLACEMENT,2) REMOVING OF SKIRT BOARD ASSEMBLY,3) REMOVING OF OLD BELT FROM POSITION - APPROX 35 MTR,1200MM WIDTH AND 4,PLY RATING,4)LAYING DOWN OF NEW BELT IN POSITION APPROX-35 MTR,1200MM WIDTH AND 4,PLY RATING,5)CLAMPING THE BELT IN POSITION AS PER BELT JOINTER REQUIREMENT,6)ASSISTING BELT JOINTER FOR COLD/HOT VULCANISING OF THE BELT JOINT.,7) CHECKING OF ALL THE ROLLERS,JAMMED ROLLERS TO BE MADE FREE,8)DAMAGED ROLLERS TO BE REPLACE WITH NEW ONE.,9)LUBRICATION OF ALL THE PLUMMER BLOCK BEARINGS USED IN A BELT.,10)SKIRT RUBBER REPLACEMENT WITH NEW ONE.,11)REMOVING OF CLAMP FROM POSITION AFTER PROPER CURING OF BELT JOINT,12) FIXING OF REMOVED BRACKETS IN POSITION WITH ROLLERS,13) PROPER TENSIONING OF BELT WITH SCREW TAKE UP AFTER REMOVING THE,CHAIN BLOCK.,14) TAKING TRIAL OF THE BELT IN CONSULTATION WITH DSTL ENGG,15)REMOVING THE BELT OFF CENTER IF REQUIRED AS PER DSTL GUIDELINES,16)ANY CONSUMABLE REQUIRED FOR THE JOB WILL BE UNDER CONTRACTOR SCOPE.,17) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,18) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,19) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF SURROUNDING AND BELT BEFORE DISMANTLING THE SAME.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations</p>	LE
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**(Company name, seal and signature of authorized person with Designation)**

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***(Company name, seal and signature of authorized person with Designation)***

284	1005235	H-7109 /H-7509 BELT CONVEYOR REPLACE	<p>SCOPE OF WORK,H-7109 /H-7509 CONVEYOR BELT TO BE REPLACE WITH NEW ONE. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW BELT AT SITE FOR REPLACEMENT,2) REMOVING OF SKIRT BOARD ASSEMBLY,3) REMOVING OF OLD BELT FROM POSITION - APPROX 18 MTR,1000MM WIDTH AND 4,PLY RATING,4)LAYING DOWN OF NEW BELT IN POSITION APPROX-18 MTR,1000MM WIDTH AND 4,PLY RATING,5)CLAMPING THE BELT IN POSITION AS PER BELT JOINTER REQUIREMENT,6)ASSISTING BELT JOINTER FOR COLD/HOT VULCANISING OF THE BELT JOINT.,7) CHECKING OF ALL THE ROLLERS,JAMMED ROLLERS TO BE MADE FREE,8)DAMAGED ROLLERS TO BE REPLACE WITH NEW ONE.,9)LUBRICATION OF ALL THE PLUMMER BLOCK BEARINGS USED IN A BELT.,10)SKIRT RUBBER REPLACEMENT WITH NEW ONE.,11)REMOVING OF CLAMP FROM POSITION AFTER PROPER CURING OF BELT JOINT,12) FIXING OF REMOVED BRACKETS IN POSITION WITH ROLLERS,13) PROPER TENSIONING OF BELT WITH SCREW TAKE UP AFTER REMOVING THE,CHAIN BLOCK.,14) TAKING TRIAL OF THE BELT IN CONSULTATION WITH DSTL ENGG,15)REMOVING THE BELT OFF CENTER IF REQUIRED AS PER DSTL GUIDELINES,16)ANY CONSUMABLE REQUIRED FOR THE JOB WILL BE UNDER CONTRACTOR SCOPE.,17) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,18) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,19) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF SURRIOUNDING AND BELT BEFORE DISMANTLING THE SAME.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations</p>	LE
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**The participating company's declaration:**

**pg. 135**

**I/We confirm having accepted all the terms as mentioned above.**

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**(Company name, seal and signature of authorized person with Designation)**

shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.

***The participating company's declaration:***

***I/We confirm having accepted all the terms as mentioned above.***

***pg. 136***

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***(Company name, seal and signature of authorized person with Designation)***



285	1005236	H-7110 /H-7510 BELT CONVEYOR REPLACE	<p>SCOPE OF WORK,H-7110 /H-7510 CONVEYOR BELT TO BE REPLACE WITH NEW ONE. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW BELT AT SITE FOR REPLACEMENT,2) REMOVING OF SKIRT BOARD ASSEMBLY,3) REMOVING OF OLD BELT FROM POSITION - APPROX 18 MTR,800MM WIDTH AND 4,PLY RATING,4)LAYING DOWN OF NEW BELT IN POSITION APPROX-18 MTR,800MM WIDTH AND 4,PLY RATING,5)CLAMPING THE BELT IN POSITION AS PER BELT JOINTER REQUIREMENT,6)ASSISTING BELT JOINTER FOR COLD/HOT VULCANISING OF THE BELT JOINT.,7) CHECKING OF ALL THE ROLLERS,JAMMED ROLLERS TO BE MADE FREE,8)DAMAGED ROLLERS TO BE REPLACE WITH NEW ONE.,9)LUBRICATION OF ALL THE PLUMMER BLOCK BEARINGS USED IN A BELT.,10)SKIRT RUBBER REPLACEMENT WITH NEW ONE.,11)REMOVING OF CLAMP FROM POSITION AFTER PROPER CURING OF BELT JOINT,12) FIXING OF REMOVED BRACKETS IN POSITION WITH ROLLERS,13) PROPER TENSIONING OF BELT WITH SCREW TAKE UP AFTER REMOVING THE,CHAIN BLOCK.,14) TAKING TRIAL OF THE BELT IN CONSULTATION WITH DSTL ENGG,15)REMOVING THE BELT OFF CENTER IF REQUIRED AS PER DSTL GUIDELINES,16)ANY CONSUMABLE REQUIRED FOR THE JOB WILL BE UNDER CONTRACTOR SCOPE.,17) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,18) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,19) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF SURRIOUNDING AND BELT BEFORE DISMANTLING THE SAME.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations</p>	LE
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**The participating company's declaration:**

**I/We confirm having accepted all the terms as mentioned above.**

**pg. 137**

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**(Company name, seal and signature of authorized person with Designation)**

shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.

***The participating company's declaration:***

***I/We confirm having accepted all the terms as mentioned above.***

***pg. 138***

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***(Company name, seal and signature of authorized person with Designation)***

286	1005237	H-7111 /H-7511 BELT CONVEYOR REPLACE	<p>SCOPE OF WORK,H-7111 /H-7511 CONVEYOR BELT TO BE REPLACE WITH NEW ONE. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW BELT AT SITE FOR REPLACEMENT,2) REMOVING OF SKIRT BOARD ASSEMBLY,3) REMOVING OF OLD BELT FROM POSITION - APPROX 18 MTR,800MM WIDTH AND 4,PLY RATING,4)LAYING DOWN OF NEW BELT IN POSITION APPROX-18 MTR,800MM WIDTH AND 4,PLY RATING,5)CLAMPING THE BELT IN POSITION AS PER BELT JOINTER REQUIREMENT,6)ASSISTING BELT JOINTER FOR COLD/HOT VULCANISING OF THE BELT JOINT.,7) CHECKING OF ALL THE ROLLERS,JAMMED ROLLERS TO BE MADE FREE,8)DAMAGED ROLLERS TO BE REPLACE WITH NEW ONE.,9)LUBRICATION OF ALL THE PLUMMER BLOCK BEARINGS USED IN A BELT.,10)SKIRT RUBBER REPLACEMENT WITH NEW ONE.,11)REMOVING OF CLAMP FROM POSITION AFTER PROPER CURING OF BELT JOINT,12) FIXING OF REMOVED BRACKETS IN POSITION WITH ROLLERS,13) PROPER TENSIONING OF BELT WITH SCREW TAKE UP AFTER REMOVING THE,CHAIN BLOCK.,14) TAKING TRIAL OF THE BELT IN CONSULTATION WITH DSTL ENGG,15)REMOVING THE BELT OFF CENTER IF REQUIRED AS PER DSTL GUIDELINES,16)ANY CONSUMABLE REQUIRED FOR THE JOB WILL BE UNDER CONTRACTOR SCOPE.,17) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,18) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,19) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF SURROUNDING AND BELT BEFORE DISMANTLING THE SAME.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations</p>	LE
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***The participating company's declaration:***

***I/We confirm having accepted all the terms as mentioned above.***

***pg. 140***

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***(Company name, seal and signature of authorized person with Designation)***

287	1005238	H-7112/7512 BELT CONVEYOR REPLACE	<p>SCOPE OF WORK,H-7112/7512 CONVEYOR BELT TO BE REPLACE WITH NEW ONE. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW BELT AT SITE FOR REPLACEMENT,2) REMOVING OF SKIRT BOARD ASSEMBLY,3)THIS BELT HAS TO BE LAYDOWN INSIDE FROM THE UNDERNEATH GANTRY SO,ACCESS NEED TO MADE,4) REMOVING OF SKIRT BOARD ASSEMBLY,5) REMOVING OF OLD BELT FROM POSITION - APPROX 46 MTR,650MM WIDTH AND 4,PLY RATING,5A)LAYING DOWN OF NEW BELT IN POSITION APPROX-46 MTR,650MM WIDTH AND 4,PLY RATING,5B)CLAMPING THE BELT IN POSITION AS PER BELT JOINTER REQUIREMENT,6)ASSISTING BELT JOINTER FOR COLD/HOT VULCANISING OF THE BELT JOINT.,7) CHECKING OF ALL THE ROLLERS,JAMMED ROLLERS TO BE MADE FREE,8)DAMAGED ROLLERS TO BE REPLACE WITH NEW ONE.,9)LUBRICATION OF ALL THE PLUMMER BLOCK BEARINGS USED IN A BELT.,10)SKIRT RUBBER REPLACEMENT WITH NEW ONE.,11)REMOVING OF CLAMP FROM POSITION AFTER PROPER CURING OF BELT JOINT,13) PROPER TENSIONING OF BELT WITH SCREW TAKE UP AFTER REMOVING THE,CHAIN BLOCK.,14) TAKING TRIAL OF THE BELT IN CONSULTATION WITH DSTL ENGG,15)REMOVING THE BELT OFF CENTER IF REQUIRED AS PER DSTL GUIDELINES,16)ANY CONSUMABLE REQUIRED FOR THE JOB WILL BE UNDER CONTRACTOR SCOPE.,17) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,18) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,19) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF SURRIOUNDING AND BELT BEFORE DISMANTLING THE SAME.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration</p>	LE
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**The participating company's declaration:**

**I/We confirm having accepted all the terms as mentioned above.**

**pg. 141**

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**(Company name, seal and signature of authorized person with Designation)**

is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions.

***The participating company's declaration:***

***I/We confirm having accepted all the terms as mentioned above.***

***pg. 142***

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***(Company name, seal and signature of authorized person with Designation)***

288	1005239	H-7116/7516 BELT CONVEYOR REPLACE	<p>SCOPE OF WORK,H-7116/7516 CONVEYOR BELT TO BE REPLACE WITH NEW ONE. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW BELT AT SITE FOR REPLACEMENT,2) REMOVING OF SKIRT BOARD ASSEMBLY,3)THIS BELT HAS TO BE LAYDOWN INSIDE FROM THE UNDERNEATH GANTRY SO,ACCESS NEED TO MADE,4) REMOVING OF SKIRT BOARD ASSEMBLY,5) REMOVING OF OLD BELT FROM POSITION - APPROX 30 MTR,650MM WIDTH AND 4,PLY RATING,5A)LAYING DOWN OF NEW BELT IN POSITION APPROX-30MTR,650MM WIDTH AND 4,PLY RATING,5B)CLAMPING THE BELT IN POSITION AS PER BELT JOINTER REQUIREMENT,6)ASSISTING BELT JOINTER FOR COLD/HOT VULCANISING OF THE BELT JOINT.,7) CHECKING OF ALL THE ROLLERS,JAMMED ROLLERS TO BE MADE FREE,8)DAMAGED ROLLERS TO BE REPLACE WITH NEW ONE.,9)LUBRICATION OF ALL THE PLUMMER BLOCK BEARINGS USED IN A BELT.,10)SKIRT RUBBER REPLACEMENT WITH NEW ONE.,11)REMOVING OF CLAMP FROM POSITION AFTER PROPER CURING OF BELT JOINT,13) PROPER TENSIONING OF BELT WITH SCREW TAKE UP AFTER REMOVING THE,CHAIN BLOCK.,14) TAKING TRIAL OF THE BELT IN CONSULTATION WITH DSTL ENGG,15)REMOVING THE BELT OFF CENTER IF REQUIRED AS PER DSTL GUIDELINES,16)ANY CONSUMABLE REQUIRED FOR THE JOB WILL BE UNDER CONTRACTOR SCOPE.,17) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,18) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,19) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF SURRIOUNDING AND BELT BEFORE DISMANTLING THE SAME.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration</p>	LE
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**The participating company's declaration:**

**I/We confirm having accepted all the terms as mentioned above.**

**pg. 143**

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**(Company name, seal and signature of authorized person with Designation)**

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***The participating company's declaration:***

***I/We confirm having accepted all the terms as mentioned above.***

***pg. 144***

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***(Company name, seal and signature of authorized person with Designation)***



289	1005240	H-7117 /H7517 BELT CONVEYOR REPLACE	<p>SCOPE OF WORK,H-7117 /H7517 CONVEYOR BELT TO BE REPLACE WITH NEW ONE. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW BELT AT SITE FOR REPLACEMENT,2) REMOVING OF SKIRT BOARD ASSEMBLY,3) REMOVING OF OLD BELT FROM POSITION - APPROX 60 MTR,1600MM WIDTH AND 4,PLY RATING,4)LAYING DOWN OF NEW BELT IN POSITION APPROX-60 MTR,1600MM WIDTH AND 4,PLY RATING,5)CLAMPING THE BELT IN POSITION AS PER BELT JOINTER REQUIREMENT,6)ASSISTING BELT JOINTER FOR COLD/HOT VULCANISING OF THE BELT JOINT.,7) CHECKING OF ALL THE ROLLERS,JAMMED ROLLERS TO BE MADE FREE,8)DAMAGED ROLLERS TO BE REPLACE WITH NEW ONE.,9)LUBRICATION OF ALL THE PLUMMER BLOCK BEARINGS USED IN A BELT.,10)SKIRT RUBBER REPLACEMENT WITH NEW ONE.,11)REMOVING OF CLAMP FROM POSITION AFTER PROPER CURING OF BELT JOINT,12) FIXING OF REMOVED BRACKETS IN POSITION WITH ROLLERS,13) PROPER TENSIONING OF BELT WITH SCREW TAKE UP AFTER REMOVING THE,CHAIN BLOCK.,14) TAKING TRIAL OF THE BELT IN CONSULTATION WITH DSTL ENGG,15)REMOVING THE BELT OFF CENTER IF REQUIRED AS PER DSTL GUIDELINES,16)ANY CONSUMABLE REQUIRED FOR THE JOB WILL BE UNDER CONTRACTOR SCOPE.,17) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,18) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,19) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF SURRIOUNDING AND BELT BEFORE DISMANTLING THE SAME.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations</p>	LE
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**The participating company's declaration:**

**pg. 145**

**I/We confirm having accepted all the terms as mentioned above.**

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**(Company name, seal and signature of authorized person with Designation)**

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***pg. 146***

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***(Company name, seal and signature of authorized person with Designation)***

290	1005243	H7409 bucket elevator chain & sprocket r	<p>SCOPE OF WORK,H7409 BUCKET ELEVATOR CHAIN &lt;(&gt;&amp;&lt;)&gt; sprocket replacement with new one -,NPK PLANT,CONTRACTORS SCOPE OF WORK,1) MAKING PREPRATION WITH REQUIRED TOOLS FOR ELEVATOR CHAIN REPLACEMENT.,2) OPENING OF BOTTOM SIDE INSPECTION WINDOW,AND REMOVING TOP COVER,3)ENSURING PROPER CLEANING OF NUCKET ELEVATOR BOOT,4) POSITIONING OF CHAIN PULY BLOCK TO HOLD THE TAIL SPROCKET IN POSITION,5)LOOSENING OF CHAIN TENSION BOLTS .,6)REMOVING OF 2 NOS BUCKET FROM POSITION BY REMOVING BOLTS BY GAS,CUTTING,7) LIFTING OF TAIL SPROCKET UPTO MAXIMUM HEIGHT AS PER AVAILABLE SLOT.,8) CUTTING OF BOTH SIDE CHAIN LINK AND REMOVING LINK FROM POSITION.,9) REJOINTING THE NEW CHAIN AGAIN WITH OLD CHAIN,10) CUTTING OF SECOND SIDE CHAIN LINK ALONGWITH BUCKETS AND REMOVING,CHAIN FROM POSITION.,11) REJOINTING THE CHAIN AGAIN WITH NEW SPLIT PINS.TOTAL NO OF BUCKETS,ARE 160,12) FIXING OF BUCKETS WITH NEW BOLTS M16X50MM LONG AND TAG WELDING,13) TOTAL CENTRE DISTANCE BETWEEN HEAD AND TAIL SPROCKET IS 41 MTR,14) AFTER COMPLETE CHAIN REPLACEMENT SPLIT CHAIN INTO TWO PIECES AT HEAD,SPROCKET,15) DISMANTLING THE HEAD SPROCKET WHICH IS IN 2 HALF BY LOOSENING THE,BOLTS,16) PUTTING THE NEW SPROCKET IN PLACE AND FIXING WITH PROPER BOLTS,17) REPOSITIONING THE CHAIN ON NEW SPROCKET BY CONNECTING CHAIN LINKS,18) CHECK FRRE ROTATION OF THE CHAIN BY MANUALLY ROTATING THE HEAD,SHAFT.,19) TRIAL RUN OF THE ELEVATOR &lt;(&gt;&amp;&lt;)&gt; BOXING UP THE INSPECTION COVERS,20) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF BUCKET ELEVATOR BOOT BEFORE JOB START UP.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified</p> <p>to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of</p>	LE
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**The participating company's declaration:**

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**I/We confirm having accepted all the terms as mentioned above.**

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**(Company name, seal and signature of authorized person with Designation)**

obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.

***The participating company's declaration:***

***I/We confirm having accepted all the terms as mentioned above.***

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***(Company name, seal and signature of authorized person with Designation)***

291	1005246	H-7401 BELT CONVEYOR REPLACE	<p>SCOPE OF WORK,H-7401 CONVEYOR BELT TO BE REPLACE WITH NEW ONE. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW BELT AT SITE FOR REPLACEMENT,2) REMOVING OF SKIRT BOARD ASSEMBLY,3)THIS BELT HAS TO BE LAYDOWN INSIDE FROM THE UNDERNEATH GANTRY SO,ACCESS NEED TO MADE,4) REMOVING OF SKIRT BOARD ASSEMBLY,5) REMOVING OF OLD BELT FROM POSITION - APPROX 200 MTR,800MM WIDTH AND 4,PLY RATING,5A)LAYING DOWN OF NEW BELT IN POSITION APPROX-200 MTR,800MM WIDTH AND 4,PLY RATING,5B)CLAMPING THE BELT IN POSITION AS PER BELT JOINTER REQUIREMENT,6)ASSISTING BELT JOINTER FOR COLD/HOT VULCANISING OF THE BELT JOINT.,7) CHECKING OF ALL THE ROLLERS,JAMMED ROLLERS TO BE MADE FREE,8)DAMAGED ROLLERS TO BE REPLACE WITH NEW ONE.,9)LUBRICATION OF ALL THE PLUMMER BLOCK BEARINGS USED IN A BELT.,10)SKIRT RUBBER REPLACEMENT WITH NEW ONE.,11)REMOVING OF CLAMP FROM POSITION AFTER PROPER CURING OF BELT JOINT,13) PROPER TENSIONING OF BELT WITH SCREW TAKE UP AFTER REMOVING THE,CHAIN BLOCK.,14) TAKING TRIAL OF THE BELT IN CONSULTATION WITH DSTL ENGG,15)REMOVING THE BELT OFF CENTER IF REQUIRED AS PER DSTL GUIDELINES,16)ANY CONSUMABLE REQUIRED FOR THE JOB WILL BE UNDER CONTRACTOR SCOPE.,17) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,18) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,19) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF SURROUNDING AND BELT BEFORE DISMANTLING THE SAME.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified</p> <p>to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration</p>	LE
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**The participating company's declaration:**

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is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions.

***The participating company's declaration:***

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***(Company name, seal and signature of authorized person with Designation)***

292	1005247	H-7402 BELT CONVEYOR REPLACE	<p>SCOPE OF WORK,H-7402 CONVEYOR BELT TO BE REPLACE WITH NEW ONE. - NPK PLANT,CONTRACTORS SCOPE OF WORK,1) SHIFTING AND POSITIONING OF NEW BELT AT SITE FOR REPLACEMENT,2) REMOVING OF SKIRT BOARD ASSEMBLY,3)THIS BELT HAS TO BE LAYDOWN INSIDE FROM THE UNDERNEATH GANTRY SO,ACCESS NEED TO MADE,4) REMOVING OF SKIRT BOARD ASSEMBLY,5) REMOVING OF OLD BELT FROM POSITION - APPROX 68 MTR,800MM WIDTH AND 4,PLY RATING,5A)LAYING DOWN OF NEW BELT IN POSITION APPROX-68 MTR,800MM WIDTH AND 4,PLY RATING,5B)CLAMPING THE BELT IN POSITION AS PER BELT JOINTER REQUIREMENT,6)ASSISTING BELT JOINTER FOR COLD/HOT VULCANISING OF THE BELT JOINT.,7) CHECKING OF ALL THE ROLLERS,JAMMED ROLLERS TO BE MADE FREE,8)DAMAGED ROLLERS TO BE REPLACE WITH NEW ONE.,9)LUBRICATION OF ALL THE PLUMMER BLOCK BEARINGS USED IN A BELT.,10)SKIRT RUBBER REPLACEMENT WITH NEW ONE.,11)REMOVING OF CLAMP FROM POSITION AFTER PROPER CURING OF BELT JOINT,13) PROPER TENSIONING OF BELT WITH SCREW TAKE UP AFTER REMOVING THE,CHAIN BLOCK.,14) TAKING TRIAL OF THE BELT IN CONSULTATION WITH DSTL ENGG,15)REMOVING THE BELT OFF CENTER IF REQUIRED AS PER DSTL GUIDELINES,16)ANY CONSUMABLE REQUIRED FOR THE JOB WILL BE UNDER CONTRACTOR SCOPE.,17) SHIFTING OF OLD BELT TO SCRAP YARD AREA AS PER DSTL GUIDELINES,18) SHIFTING OF ANY OTHER MATERIAL USED FOR JOB AT PROPER PLACE,19) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF SURROUNDING AND BELT BEFORE DISMANTLING THE SAME.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified</p> <p>to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration</p>	LE
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**The participating company's declaration:**

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**I/We confirm having accepted all the terms as mentioned above.**

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is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions.

***The participating company's declaration:***

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***(Company name, seal and signature of authorized person with Designation)***



293	1005254	E604, Exchanger Dome covers O&B job	<p>SCOPE OF WORK,i)Job involve E604, REFORMER GAS COOLER (Methanol Plant) Dome Open,&lt;(&gt;&amp;&lt;)&gt; Box up activity.,ii)Opening and removal of end cover domes, Size- 508 OD x 10 thk x,637mm length, on both the ends to facilitate tube cleaning.,ii)Opening and removal of connecting lines / providing blinds in,connecting lines,if required for the job.,iii)Cleaning of Gasket seating surfaces, studs/ bolts/ nuts.,iv)Boxing up of end covers, normalising of connecting line,flanges.,CONTRACTORS SCOPE OF WORK,i)Opening of channel, channel cover dome / flange.,after proper match marking.,ii)Cleaning of gasket seating area of tube sheet, shell flange.,channel, channel cover and all studs/ bolts.,iii)Boxing up all the channel covers, shell covers with new,gaskets except those exchangers having floating head,cover.,iv)After testing the leakage of floating head cover (if any )is over.,boxing up of shell cover shall be done.,v)Flange tightening / sequence shall be as per standard.,vi) Provide Scaffolding wherever required for the job.,vii)CAF gaskets wherever required shall be cut by the contractor.,viii) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles,for timely completion of all jobs.,ix)Contractor shall keep manpower ready, round the clock, for,attending flange leak if any, during hydro test / plant start up.,x)Contractor shall carry out hot tightening wherever,temperature is more than 250 deg. Cel.,xi)If any bolts requires to be cut that will not be,considered as additional job.,xii)Contractor shall keep manpower ready, round the,clock, for attending flange leak if any, during hydro,test / plant start up.,xiii)Mechanical supervisor from vender to co-ordinae with,DFPCL engineer.,xiv)All dismantled spares shall be properly stored.,DFPCL shall not be responsible for any loss of components.,xv)Additional work if any required to be done in addition, to the given scope of work, shall be informed to the,job co-ordinator before doing the work.,xvi)Quantity of job given is tentative and may vary as per DFPCL,requirement, payment shall be done only on the basis of,actual job done.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender.,2) Any material required for installation informed well in advance to,DFPCL will be provided by DFPCL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in mechanical activity and well familiar with,hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,No person is allowed to work beyond 12 hours in routine &lt;(&gt;&amp;&lt;)&gt; 16 hours,in case of extreme urgency.,MOBILIZATION,Contractor shall arrange for necessary Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 4day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site.,This should be certify by process shift engineer.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual</p>	EA
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**The participating company's declaration:**

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**I/We confirm having accepted all the terms as mentioned above.**

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**(Company name, seal and signature of authorized person with Designation)**

plants/ EIC. Contractor,shall ensure mobilization and completion of the job including,dismantling, etc. as per EIC instructions.

***The participating company's declaration:***

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***(Company name, seal and signature of authorized person with Designation)***

294	1005255	E 611Exchanger Dome covers O&B job	<p>SCOPE OF WORK,i)Job involve E611, SYN GAS COMP.INTERCOOLER (Methanol Plant),Dome Open &lt;(&gt;&amp;&lt;)&gt; Box up activity.,ii)Opening and removal of end cover domes, Size-,458 OD x 8 thk x 637mm length on both ends of the exchanger to, facilitate tubes cleaning.,ii)Opening and removal of connecting lines / providing blinds,in connecting lines,if required for the job.,iii)Cleaning of Gasket seating surfaces, studs/ bolts/ nuts.,iv)Boxing up of end covers, normalising of connecting line,flanges.,CONTRACTORS SCOPE OF WORK,i)Opening of channel, channel cover dome / flange.,,after proper match marking.,ii)Cleaning of gasket seating area of tube sheet, shell flange.,channel, channel cover and all studs/ bolts.,iii)Boxing up all the channel covers, shell covers with new,gaskets except those exchangers having floating head cover.,iv)After testing the leakage of floating head cover (if any )is over,,boxing up of shell cover shall be done.,v)Flange tightening / sequence shall be as per standard.,vi) Provide Scaffolding wherever required for the job.,vii)CAF gaskets wherever required shall be cut by the contractor.,viii) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles,for timely completion of all jobs.,ix)Contractor shall keep manpower ready, round the clock, for,attending flange leak if any, during hydro test / plant start up.,x)Contractor shall carry out hot tightening wherever,temperature is more than 250 deg. Cel.,xi)If any bolts requires to be cut that will not be,considered as additional job.,xii)Contractor shall keep manpower ready, round the,clock, for attending flange leak if any, during hydro,test / plant start up.,xiii)Mechanical supervisor from vender to co-ordinae with,DFPCL engineer.,xiv)All dismantled spares shall be properly stored,,DFPCL shall not be responsible for any loss of components.,xv)Additional work if any required to be done in addition,to the given scope of work, shall be informed to the,job co-ordinator before doing the work.,xvi)Quantity of job given is tentative and may vary as per DFPCL,requirement, payment shall be done only on the basis of,actual job done.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by,vender.,2) Any material required for installation informed well in,advance to DFPCL will be provided by DFPCL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in mechanical actvity and well familiar with,hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,No person is allowed to work beyond 12 hours in routine &lt;(&gt;&amp;&lt;)&gt;,16 hours in case of extreme urgency.,MOBILIZATION,Contractor shall arrange for necessary Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 4day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good,housekeeping at work site.,This should be certify by process shift engineer.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC.</p>	EA
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**The participating company's declaration:**

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**(Company name, seal and signature of authorized person with Designation)**

Contractor,shall ensure mobilization and completion of the job including,dismantling, etc. as per EIC instructions.

***The participating company's declaration:***

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***(Company name, seal and signature of authorized person with Designation)***

295	1005262	E 640 Exchanger Dome covers O&B job	<p>SCOPE OF WORK,E640,K-601 2nd stg COOLER,Job Includes- Opening and boxing up of end cover domes on both ends, to, facilitate tubes cleaning job.,Dome Size:390 mm O.D.X370 mm long &lt;(&gt;&amp;&lt;)&gt; 280 O.D.X 430 mm long.,Job also includes – ,Dismantling of connecting lines / providing blinds in connecting lines,,if required for the job. Cleaning of Gasket seating surfaces, studs/,bolts/ nuts Boxing up of end covers &lt;(&gt;&amp;&lt;)&gt; normalising of connecting, line, flanges.,Hydrotest &lt;(&gt;&amp;&lt;)&gt; plugging is in contractor scope.,DFPCL SCOPE OF WORK,Safety permit, Electric Power,Water supply is in DFPCL Scope.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin, MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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**(Company name, seal and signature of authorized person with Designation)**

296	1005263	E641 Exchanger Dome covers O&B job	<p>SCOPE OF WORK,E641,K-602 1st stg COOLER,Job Includes- Opening and boxing up of end cover domes on both ends, to, facilitate tubes cleaning job.,Dome Size: 695 mm O.D. X 5.0 mm thick x 475 mm long &lt;(&gt;&amp;&lt;)&gt; 616 O.D.X,8.0 mm,thick x 491 mm long.,Job also includes -,Dismantling of connecting lines / providing blinds in connecting lines,,if required for the job. Cleaning of Gasket seating surfaces, studs/,bolts/ nuts Boxing up of end covers &lt;(&gt;&amp;&lt;)&gt; normalising of connecting,line,flanges.,Hydrotest &lt;(&gt;&amp;&lt;)&gt; plugging is in contractor scope.,DFPCL SCOPE OF WORK,Safety permit, Electric Power,Water supply is in DFPCL Scope.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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**(Company name, seal and signature of authorized person with Designation)**

297	1005264	E642 Exchanger Dome covers O&B job	<p>SCOPE OF WORK,E642,K-602 2nd stg COOLER,Job Includes- Opening and boxing up of end cover domes on both ends, to, facilitate tubes cleaning job.,Dome Size:390 mm O.D.x370 mm long &lt;(&gt;&amp;&lt;)&gt; 280 mm O.D.X430 mm long.,Job also includes – ,Dismantling of connecting lines / providing blinds in connecting lines,,if required for the job. Cleaning of Gasket seating surfaces, studs/,bolts/ nuts Boxing up of end covers &lt;(&gt;&amp;&lt;)&gt; normalising of connecting, line, flanges.,Hydrotest &lt;(&gt;&amp;&lt;)&gt; plugging is in contractor scope.,DFPCL SCOPE OF WORK,Safety permit, Electric Power,Water supply is in DFPCL Scope.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin, MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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**(Company name, seal and signature of authorized person with Designation)**

298	1005265	E643 Exchanger Dome covers O&B job	<p>SCOPE OF WORK,E643,K-607 1st stg COOLER,,Job Includes- Opening and boxing up of end cover domes on both ends, to, facilitate tubes cleaning job.,Size: 695 mm O.D. X 5.0 thick x 475 mm long &lt;(&gt;&amp;&lt;)&gt; 616 O.D.X 8.0 thick,x 491,mm long.,Job also includes- ,Dismantling of connecting lines / providing blinds in connecting lines,,if required for the job.,Cleaning of Gskt sealing surface, cleaning of studs / bolts / nuts,Boxing up of end covers &lt;(&gt;&amp;&lt;)&gt; normalising of connecting line flanges.,.,Hydrotest &lt;(&gt;&amp;&lt;)&gt; plugging is in contractor scope.,DFPCL SCOPE OF WORK,Safety permit, Electric Power,Water supply is in DFPCL Scope.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin, MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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299	1005266	E644 Exchanger Dome covers O&B job	<p>SCOPE OF WORK,E644,K-607 2nd stg COOLER,,Opening &lt;(&gt;&amp;&lt;)&gt; removal of end cover/domes Dome,Size:390mm O.D.x370 mm long &lt;(&gt;&amp;&lt;)&gt; 280 O.D. X 430 mm long,Job also includes -,Dismantling of connecting lines / providing blinds in connecting lines,,if required for the job.,Cleaning of Gskt sealing surface, cleaning of studs / bolts / nuts.,Boxing up of end covers &lt;(&gt;&amp;&lt;)&gt; normalising of connecting line flanges.,Hydrotest &lt;(&gt;&amp;&lt;)&gt; plugging is in contractor scope.,DFPCL SCOPE OF WORK,Safety permit, Electric Power,Water supply is in DFPCL Scope.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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300	1005267	E646 Exchanger Dome covers O&B job	<p>SCOPE OF WORK,E646,K-601 L.O. COOLER,,Job Includes- Opening and boxing up of end cover domes on both ends, to, facilitate tubes cleaning job.,Size:mm 180 O.D.x275 mm long &lt;(&gt;&amp;&lt;)&gt; 180 O.D.X 230 mm long. Job also,includes-,Dismantling of connecting lines / providing blinds in connecting lines,,facilitate tubes cleaning job.,Cleaning of Gskt sealing surface, cleaning of studs / bolts / nuts,Boxing up of end covers &lt;(&gt;&amp;&lt;)&gt; normalising of connecting line flanges.,Hydrotest &lt;(&gt;&amp;&lt;)&gt; plugging is in contractor scope.,DFPCL SCOPE OF WORK,Safety permit, Electric Power,Water supply is in DFPCL Scope.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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301	1005268	E647 Exchanger Dome covers O&B job	<p>SCOPE OF WORK,E647,K-602 L.O. COOLER,,Job Includes- Opening and boxing up of end cover domes on both ends,,to facilitate tubes cleaning job,Size:mm 180 O.D.x 275 mm long &lt;(&gt;&amp;&lt;)&gt; 180 O.D.X 230 mm long,Job also includes-,Dismantling of connecting lines / providing blinds in connecting lines,,if required for the job.,Cleaning of Gskt sealing surface, cleaning of studs / bolts / nuts,Boxing up of end covers &lt;(&gt;&amp;&lt;)&gt; normalising of connecting line flanges.,Hydrotest &lt;(&gt;&amp;&lt;)&gt; plugging is in contractor scope.,DFPCL SCOPE OF WORK,Safety permit, Electric Power,Water supply is in DFPC Scope.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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302	1005269	E648 Exchanger Dome covers O&B job	<p>SCOPE OF WORK,E648,K-607 L.O. COOLER,,Job Includes- Opening and boxing up of end cover domes on both ends, to, facilitate tubes cleaning job.,Dome Size:mm 180 O.D.x 275 mm long &lt;(&gt;&amp;&lt;)&gt; 180 OD X 230 mm long. Job,also,includes – Dismantling of connecting lines / providing blinds in,connecting lines, if required for the job. Cleaning of Gasket seating,surfaces, studs/ bolts/ nuts Boxing up of end covers, normalising of,connecting line flanges.,Hydrotest &lt;(&gt;&amp;&lt;)&gt; plugging is in contractor scope.,DFPCL SCOPE OF WORK,Safety permit, Electric Power,Water supply is in DFPCL Scope.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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303	1005270	E649 Exchanger Dome covers O&B job	<p>SCOPE OF WORK,E649,K-608 1st stg COOLER,,Job Includes- Opening and boxing up of end cover domes on both ends, to, facilitate tubes cleaning job.,Sizes:315 mm O.D.X 360 mm long &lt;(&gt;&amp;&lt;)&gt; 315 O.D.X 200 mm long.,Job also includes –,Dismantling of connecting lines / providing blinds in connecting lines,,if required for the job.,Cleaning of Gasket seating surfaces, studs/ bolts/ nuts,Boxing up of end covers, normalising of connecting line flanges.,Hydrotest &lt;(&gt;&amp;&lt;)&gt; plugging is in contractor scope.,DFPCL SCOPE OF WORK,Safety permit, Electric Power,Water supply is in DFPCL Scope.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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304	1005271	E650 Exchanger Dome covers O&B job	<p>SCOPE OF WORK,E650,K-608 2nd stg COOLER,,Job involves- Opening &lt;(&gt;&amp;&lt;)&gt; removal of end covers at both ends, to.,facilitate tubes cleaning job.,Size: 8" dia X 100 mm long &lt;(&gt;&amp;&lt;)&gt; 8" dia X 100 mm long.,Job also includes-,Dismantling of connecting lines / providing blinds in connecting lines,,if required for the job.,Cleaning of Gasket seating surfaces, studs/ bolts/ nuts,Boxing up of end covers, normalising of connecting line flanges.,Hydrotest &lt;(&gt;&amp;&lt;)&gt; plugging is in contractor scope.,DFPCL SCOPE OF WORK,Safety permit, Electric Power,Water supply is in DFPCL Scope.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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305	1005272	E651 Exchanger Dome covers O&B job	<p>SCOPE OF WORK,E651,L.O. COOLER, of E 608,Job includes- Opening &lt;(&gt;&amp;&lt;)&gt; boxing up of end covers on both ends.,Size- 210 mm OD x 75mm to facilitate tubes cleaning job.,Job also includes-,Dismantling of connecting lines / providing blinds in connecting lines,,if required for the job.,Cleaning of Gasket seating surfaces, studs / bolts / nuts.,Boxing up end covers, normalising of connecting line flanges.,Hydrotest &lt;(&gt;&amp;&lt;)&gt; plugging is in contractor scope.,DFPCL SCOPE OF WORK,Safety permit, Electric Power,Water supply is in DFPCL Scope.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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306	1005281	DHT for pipeline/Vessel joint upto 20"	<p>SCOPE OF WORK,The scope of work shall include arrangement for Dehydrogenation,Treatment for Pipeline weld joint .,CONTRACTORS SCOPE OF WORK,1. This include Heat Treatment acivity for dehydrogenation job for,pipline/vessel in service for critical hydrocarbon service.,2. Wrapping of coil around job specified.,3. Dehydrogenation to be done by coil heating.Temp:100 - 200degree (as,per specification) 4. Separate thermocouple &lt;(&gt;&amp;&lt;)&gt; recorder to be,maintain for heat process.,5. Heating &lt;(&gt;&amp;&lt;)&gt; Cooling cycle will be specified by DFCPL incharge.,(approx 30-50 degree per hour),6. Sufficient cable to be broght by vendor.,7. Vendor should bring their own (PDB) Power distribution board on site,for their electrical purpose. (In PDB required energy meter, MCCB,,indication lamp on Incomer, and ELCB in each feeders.,8. Vendor should bring suitable rating power cable as per load for PDB,from substation. Cable should not have any cut/ damaged joints, All,welding machines, PDB andextension boards with ELCB of 30 mA &lt;(&gt;&amp;&lt;)&gt;,proper earthing connections.,9. Vendor should bring their own Switchboards, Pin top, with copper,metal braided cable.,10. Vendor to submit total power rating prior to commencement of work,at site.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in mechanical fabrication heating activity and well,familiar with hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 4day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good,housekeeping at work site.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization and completion of the job including,dismantling, etc. as per EIC instructions.</p>	PSH
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307	1005283	Preheat, Interpass, PWHT, SR of Crit. Weld	<p>SCOPE OF WORK, i) The scope of work shall include arrangement for preheat, interpass, PWHT &lt;(&gt;&amp;&lt;)&gt; Stress Relieving of welding for Hydrocarbon service with special approved QAP., ii) Preheating to be done by coil heating. (Temp: Heating, soaking, cooling, rate any other as per DFPC inspection department procedure), iii) Separate thermocouple &lt;(&gt;&amp;&lt;)&gt; recorder to be maintained for heat, process. (Preheat, Interpass, PWHT, SR), iv) Interpass temperature to be maintained as per specified conditions., v) After Welding Stress relieving to be done with electrical coil as per, WPS (approx 620 degree to 650 degree Celsius), vi) Sufficient cable to be brought by vendor., viii) Vendor should bring their own (PDB) Power distribution board on site for their electrical purpose. (In PDB required energy meter, MCCB, indication lamp on Incomer, and ELCB in each feeders., ix) Vendor should bring suitable rating power cable as per load for PDB, from substation. Cable should not have any cut/ damaged joints, All, welding machines, PDB and, extension boards with ELCB of 30 mA &lt;(&gt;&amp;&lt;)&gt; proper earthing, connections., x) Vendor should bring their own Switchboards, Pin top, with copper, metal braided cable., xi) Vendor to submit total power rating prior to commencement of work at site., DSTL SCOPE OF WORK, 1) Permit formality for job execution after job preparation by vendor., 2) Any material required for installation informed well in advance to, DSTL &lt;(&gt;&amp;&lt;)&gt; same will be provided by DSTL., 3) Scaffolding if required., SAFETY PRECAUTIONS, The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety, procedures as per the safety standards and comply with the safety, requirements., The contractor is required to deploy persons for specific jobs who are, trained and skilled in mechanical fabrication activity and well familiar, with hazards and safety precautions., The supervisor of the contractors are required to undergo safety, orientation before they are assigned work at site. No person shall be, allowed at work site without safety orientation., Contractor shall ensure that any time during the performance of the work, his personnel are fit to execute the tasks assigned and are not under, the influence of any alcoholic liquor, drug or other intoxicating, substances., The contractor shall provide personal protective equipment as specified to its staff and workmen such as, safety helmets, s, WORKING HOURS, Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excluding, to its staff and workmen such as, safety helmets, safety shoes, safety, goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum, boots etc. and other work equipment as required for safe execution of, work at his cost. Special PPEs/ safety appliances, if required for any, job as mentioned below job may be provided by the company, on chargeable / returnable basis (cost of repair or damage as a result, of mishandling will be charged from the contractor).", WORKING HOURS, Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excluding, to its staff and workmen such as, safety helmets, safety shoes, safety, goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum, boots etc. and other work equipment as required for safe execution of, work at his cost. Special PPEs/ safety appliances, if required for any, job as mentioned below job may be provided by the company, on chargeable / returnable basis (cost of repair or damage as a result, of mishandling will be charged from the contractor)., WORKING HOURS, Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excluding, to its staff and workmen such as, safety helmets, safety shoes, Leather, apron, safety goggles, ear plugs, hand gloves, safety harness / belts,, overalls, gum boots etc. and other work</p>	LE
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308	1005424	CNA-1/2 Column reboiler Dome open & boxu	<p>CNA-1/2 column Reboiler dome opening &lt;(&gt;&amp;&lt;) BOXUP for hydroblasting.,SCOPE OF WORK,1. COLUMN REBOILER DOME TO BE OPENED FOR HYDROBLASTING,AND FIXING BACK (1200 MM DIA X 1.2 MT )150 #,- BOTTOM HANDHOLE &lt;(&gt;&amp;&lt;) MANHOLE OPENING 8"x150#, 6"x150#,2. Gasket face to be checked for leakage if found damaged then repair,the same,3. After hydroblasting box up of all domes &lt;(&gt;&amp;&lt;) flanges.,DFPL SCOPE OF WORK,1.hydra needed for shifting of material or equipment will be provided by,DFPCL.,2. Scaffolding if required.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;) regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;) fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	IND
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309	1005425	CNA-1/2 Evapo reboiler Dome open & boxu	<p>CNA-1/2 Evaporator Reboiler dome opening for hydroblasting.,SCOPE OF WORK,1. COLUMN REBOILER DOME TO BE OPENED FOR HYDROBLASTING,AND FIXING BACK (900 MM DIA X 0.8 MT )150 #,2.LCV &lt;(&gt;&amp;&lt;)&gt; NRV OPENING, 4"x150,3. Gasket face to be checked for leakage if found damaged then repair,the same,4. After hydroblasting box up of all domes &lt;(&gt;&amp;&lt;)&gt; flanges.,DFPL SCOPE OF WORK,1. Hydra needed for shifting of material or equipment will be provided,by DFPL.,2. Scaffolding if required.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	IND
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310	1005447	O & B of D20307 exchanger for cleaning	<p>SCOPE OF WORK,D20307 EXCHANGER CONV FEED-CONV EFFLUENT,Opening and removal of channel end covers on both ends (size- 778 mm OD,x 203 mm thk ) to facilitate tube cleaning.,Removal of Diaphragm plates (565mm dia x 19mm thk) on both ends with,help of grinding.,Cleaning of gasket/ diaphragm sealing surfaces, cleaning of studs/ bolts,/ nuts. Positioning of new Diaphragm in positions on both ends, welding,of diaphragm (MOC SA516 Gr 70),.Boxing up of end covers of the channel covers.,CONTRACTORS SCOPE OF WORK,1) Opening of channel, channel cover flange, after proper match,marking.Provide any blinds in connecting lines if required for any job,of the equipment.,2) Grinding of Diaphragm weld to facilitate removal of diaphragm,plate.Ensure no damage to the body / shell.,3) Cleaning of diaphragm seating area of shell, shell flange, channel,,channel cover and all studs/ bolts.,4) Position the diaphragm plate, provide support of required.,5) Welding of diaphragm plate.,6) DP test of the root weld of diaphragm plate.,7) Final weld of the plate.,8) Boxing up all the channel/ shell end covers.,9) Cover tightening / sequence shall be as per standard.,10) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely,completion of all jobs.,11) Contractor to use only properly tested welding machine and other,electrical appliances.,12) Contractor to use branded quality filler wires / electrodes for the,job.,13) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,14) If any bolts requires to be cut that will not be considered as,additional job.,15) Scaffolding wherever necessary for the job shall be provided by the,contractor. Scaffolding shall be removed only on total completion of,the job.,16) Weld plug if required for any leaky tube.,17) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPCL job coordinator.,18) All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components.,19) Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co- ordinator before doing,the work.,20) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,22) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work site,immediately after completion of work. Housekeeping shall also be done,in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,DSTL SCOPE OF WORK,1) Shall provide air and power for the job,2) Shall provide material for the job,3) Blinding &lt;(&gt;&amp;&lt;)&gt; deblinding of line if requir.,4) Open &lt;(&gt;&amp;&lt;)&gt; box up of manhole cover,5) Internal scaffolding,6) Provide new Diaphragms for exchanger. Material for supporting if,required for the diaphragm.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen</p>	LE
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and, supervision to start the work within 48 hours of instruction from EIC., In case of emergency or shutdown, contractor shall mobilize all required resources and start the work within 24 hours of instruction of EIC., To <(>&<)> fro transportation of the equipment shall be arranged by contractor. However mobile crane/tractor, EOT/ HOT facilities, if, required for loading/unloading supply of slings and movement of the machine at site shall be provided by Company, free of charge. However, actual activities of loading/ unloading, internal shifting of machines, shall have to be done by contractor's manpower., HOUSEKEEPING, It is the responsibility of the contractor to ensure good housekeeping, at work site. The scrap debris, unwanted material etc. shall be removed, frequently from the work place to avoid accident and work area shall be kept tidy. Gangways shall be kept clear of obstructions. Contractor, shall deploy dedicated personnel for housekeeping., JOB COMPLETION TIME, The total contract duration is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions.

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311	1005448	O & B of D20308 exchanger for cleaning	<p>SCOPE OF WORK,D20308 Exchanger Amm Process chiller.,Job involves- Opening and removal of end covers, size 1003mm x 252mm,thk, on one end of the U tube exchanger to facilitate tube cleaning job.,Also involves removal/ dismantling of Connecting lines if any.,Removal of Diaphragm plate by grinding. Cleaning of gasket/ diaphragm,sealing surfaces, cleaning of studs/ bolts / nuts. Positioning of new,Diaphragm in position, welding of diaphragm (MOC SA516 Gr 70) on the,stub end (MOC Forged steel SA 266 CL. 2). Boxing up of end covers of the,channel cover.,CONTRACTORS SCOPE OF WORK,1) Opening of channel, channel cover flange, after proper match,marking.Provide any blinds in connecting lines if required for any job,of the equipment.,2) Grinding of Diaphragm weld to facilitate removal of diaphragm,plate.Ensure no damage to the body / shell.,3) Cleaning of diaphragm seating area of shell, shell flange, channel,,channel cover and all studs/ bolts.,4) Position the diaphragm plate, provide support of required.,5) Welding of diaphragm plate.,6) DP test of the root weld of diaphragm plate.,7) Final weld of the plate.,8) Boxing up all the channel/ shell end covers.,9) Cover tightening / sequence shall be as per standard.,10) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely,completion of all jobs.,11) Contractor to use only properly tested welding machine and other,electrical appliances.,12) Contractor to use branded quality filler wires / electrodes for the,job.,13) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,14) If any bolts requires to be cut that will not be considered as,additional job.,15) Scaffolding wherever necessary for the job shall be provided by the,contractor. Scaffolding shall be removed only on total completion of,the job.,16) Weld plug if required for any leaky tube.,17) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPCL job coordinator.,18) All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components.,19) Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co- ordinator before doing,the work.,20) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,22) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work site,immediately after completion of work. Housekeeping shall also be done,in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,DSTL SCOPE OF WORK,1) Shall provide air and power for the job,2) Shall provide material for the job,3) Blinding &lt;(&gt;&amp;&lt;)&gt; deblinding of line if requir.,4) Open &lt;(&gt;&amp;&lt;)&gt; box up of manhole cover,5) Internal scaffolding,6) Provide new Diaphragms for exchanger. Material for supporting if,required for the diaphragm.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen</p>	LE
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312	1005452	Blinding & normalising of D80303 Lines	<p>SCOPE OF WORK, BLINDING &amp; NORMALISING OF D8-0303 NH3 CONVERTOR LINES, Flanges Opening and blinding up job &amp; again Normalising as per process requirement. Ammonia Converter Lube Pressure 350 kg/cm<sup>2</sup>, Contractor should quote on inch dia basis for Blind provision and removal job. Opening and boxing up shall not be considered as two inch dia. Blind List as below, 1) NH3 CONVERTER BYPASS HV-0301 U/S FLANGE, SIZE: 4" X 2500 # RTJ, 2) BLIND FLANGE TO BE PROVIDED IN THE D/S OF BFW INLET &amp; OUTLET, &amp; BYPASS VALVE, SIZE: 4" X 2500 # RTJ, 3) AMM. CONVERTER INLET HV-0302 D/S FLANGE, SIZE: 6" X 2500 # RTJ, 4) AMM CONVERTER QUENCHING HV-0303 D/S LINE FLANGE, SIZE: 4" X 2500 # RTJ, 5) AMM CONVERTER QUENCHING TV-0323 U/S FLANGE, SIZE: 4" X 2500 # RTJ, 6) COLD SHOT LINE FLANGE, SIZE: 1-1/2" X 2500 # RTJ, 7) AMM CONVERTER OUTLET LINE FLANGE, SIZE: 4" X 2500 # RTJ, 8) BOTTOM SPARGER LINE FLANGE, SIZE: 1-1/2" X 2500 # RTJ, CONTRACTORS SCOPE OF WORK, 1. Opening the Flanges after getting clearances, 2. Cleaning of all studs and nuts, gasket seating area on the flanges, 3. Blinding the flanges with slip plates, 3. Blind removal and box up with new line gaskets after getting process clearances, 4. Arrange sufficient tools and tackles, skilled manpower &amp; supervisor for execution of the job on round the clock basis, 5. Check list to be carried out while tightening of flanges, 6. Hot tightening to be carried out wherever necessary during / after plant start up, 7. All stud and nuts to be stored properly during dismantling and reuse, the same after cleaning &amp; applying grease, 8. If any bolts require to be cut that will not be considered as additional job, 9. Abnormality if any, observed during any stage of the job shall be immediately brought into the notice of DFPCL job coordinator, 10. All dismantled nuts and bolts / studs shall be properly stored, DFPCL shall not be responsible for any loss of components, 11. Additional work if any required to be done in addition to the given scope of work, shall be informed to the job co-ordinator before doing the work, 12. Contractor shall fulfill all the conditions of safety permit and ensure availability of all necessary PPE's, 13. Contractor shall be responsible for the housekeeping of his workplaces and shall remove all unwanted materials from the work site, immediately after completion of work. Housekeeping shall also be done in between the work to keep the work area clean &amp; tidy, 14. Quantity of job given is tentative and may vary as per DFPCL requirement, payment shall be done only on the basis of actual job done, DSTL SCOPE OF WORK, 1) Shall provide air and power for the job, 2) Shall provide material for the job, 3) Blinding &amp; deblinding of line if required, 4) Open &amp; box up of manhole cover, 5) Internal scaffolding, 6) Provide new Diaphragms for exchanger. Material for supporting if required for the diaphragm, SAFETY PRECAUTIONS, The contractor shall follow safety rules &amp; regulations, safety procedures as per the safety standards and comply with the safety requirements, The contractor is required to deploy persons for specific jobs who are trained and skilled in particular trade and well familiar with hazards and safety precautions, The site staff and workers of the contractors are required to undergo safety orientation before they are assigned work at site. No person shall be allowed at work site without safety orientation, The contractor shall ensure that any time during the performance of the work his personnel are fit to execute the tasks assigned and are not under the influence of any alcoholic liquor, drug or other intoxicating substances, The contractor shall provide personal protective equipment as specified to its staff and workmen such as, safety helmets, s, WORKING HOURS, Normal working time shall be same as the general shift timing of the</p>	LE
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respective sites. This will be 8 working hours excluding MOBILIZATION, Contractor shall arrange for necessary materials, workmen and supervision to start the work within 48 hours of instruction from EIC. In case of emergency or shutdown, contractor shall mobilize all required resources and start the work within 24 hours of instruction of EIC. To <(>&<)> fro transportation of the equipment shall be arranged by contractor. However mobile crane/tractor, EOT/ HOT facilities, if, required for loading/unloading supply of slings and movement of the machine at site shall be provided by Company, free of charge. However, actual activities of loading/ unloading, internal shifting of machines, shall have to be done by contractor's manpower. HOUSEKEEPING, It is the responsibility of the contractor to ensure good housekeeping, at work site. The scrap debris, unwanted material etc. shall be removed, frequently from the work place to avoid accident and work area shall be kept tidy. Gangways shall be kept clear of obstructions. Contractor, shall deploy dedicated personnel for housekeeping. JOB COMPLETION TIME, The total contract duration is as specified in the contract. However for, individual works from time to time as and when need arises, separate intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions.

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313	1005491	O&B of D20110 Exchanger U tube bundle	<p>SCOPE OF WORK,Open &lt;(&gt;&amp;&lt;)&gt; Box up of D20110 Exchanger Syn Gas Cooler U tube bundle,D2-0110 exchanger open and box up with removal of tube bundle &lt;(&gt;&amp;&lt;)&gt;,box up,1) Inlet &lt;(&gt;&amp;&lt;)&gt; out let line Tube side : 14" x 300# - 02 nos,2) Inlet &lt;(&gt;&amp;&lt;)&gt; out let line Shell side : 4" x 300# - 02 nos,3) Weight of exchanger 6 T.,4) Channel Flange size: 905 x 854 x 750 MM,CONTRACTORS SCOPE OF WORK,1) Removal of tube bundle,2) Hydrotesting of tube bundle,3) Tube plugging if leak found and again hydrotest the tube bundle,4) Dismantling / Blinding of connecting line flanges.,5) Dismantling of channel, channel cover dome / flange, after proper,match marking.,6) Cleaning of gasket seating area of tube sheet / shell flange,,channel / channel cover and all studs/ bolts.,7) Boxing up all the channel covers, shell covers with new gaskets,8) Testing of floating head covers for leaks after cooling water,circulation starts.,9) After testing the leakage of floating head cover is over, boxing up,of shell cover shall be done.,10) Flange tightening / sequence shall be as per standard.,11) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely,completion of all jobs.,12) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,13) Contractor shall carry out hot tightening wherever temperature is,more than 250 deg. cel.,13) If any bolts requires to be cut that will not be considered as,additional job.,14) Scaffolding where necessary for the job shall be provided by the,contractor. Scaffolding shall be,removed only on total completion of the job.,15) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice,of DFPCL job coordinator.,16) All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components. Cost of lost components / studs,shall be deducted from the contractor's bill.,17) Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator and take,approval before doing the work.,18) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's,19) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work site,immediately after completion of work. Housekeeping shall also be done,in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,20) Crane / hydra required for this job to be arrange by contactor.,21) Payment shall be done on the quantity of job done.,DSTL SCOPE OF SUPPLY-,1) Power, water, gaskets / gasket sheets, replacement of worn out,nut-bolts,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the</p>	EA
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equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.

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314	1005492	H474/477/478 TAIL SPROCKET REPLACEMENT	<p>REPLACEMENT OF H474/477/478 TAIL SPROCKET, CONTRACTOR'S SCOPE OF SUPPLY : 1.OPEN BOOT COVERS, TOP COVERS &lt;(&gt;&amp;&lt;)&gt; INSPECTION DOORS, 2.RELEASE TENSION &lt;(&gt;&amp;&lt;)&gt; OPEN CHAIN LINKS BY GAS CUTTING SET IF, REQUIRED, 3.DERAIL/REMOVE THE CHAIN FROM HEAD SPROCKET &lt;(&gt;&amp;&lt;)&gt; TAIL END PULLEY, 4.HANG THE CHAIN WITH THE HELP OF 5TON CHAIN BLOCKS, 5.INSPECTION OF CHAIN, CHAIN-COUPLER, BUCKETS ETC. &lt;(&gt;&amp;&lt;)&gt; TO TAKE, CORRECTIVE ACTION AS PER DFPCL INSTRUCTIONS, 6.DISMANTLING OF TAIL END PULLEY ASSEMBLY, 7.REPLACE OLD TAIL END PULLEY WITH NEW ONE, 8.INSTALL BEARING &lt;(&gt;&amp;&lt;)&gt; PLUMMER BLOCK IN PLACE, 9.CENTRE THE HEAD SPROCKET/TAIL END PULLEY IN THE CASING, 10.ALIGN HEAD SPROCKET &lt;(&gt;&amp;&lt;)&gt; TAIL END PULLEY WITH PLUMB &lt;(&gt;&amp;&lt;)&gt; PIANO, WIRE, 11.DIAL GAUGE ALIGNMENT OF HEAD SPROCKET-GEARBOX-MOTOR, 12.CHARGE OIL IN GEARBOX &lt;(&gt;&amp;&lt;)&gt; LEBRICATE BEARING WITH GREASE, 13.TRANSPORTATION OF OLD/NEW TAIL END PULLEY, BUCKETS FROM, STORES TO LOCATION AND VICE A VERSA, 14.ALL WELDING, CONSUMABLE VIZ. PLUMB, PIANO WIRE &lt;(&gt;&amp;&lt;)&gt; OTHER MATERIAL, REQUIRED FOR THE COMPLETION OF JOB WILL BE IN VENDOR SCOPE, 15.ALL LIFTING TOOLS &lt;(&gt;&amp;&lt;)&gt; TACKLES VIZ. CHAIN BLOCKS, LIFTING BELTS, ETC., REQD FOR COMPLETION OF JOB, 16.TO ENSURE COMPLETION OF JOB WITHIN GIVEN, TIMEFRAME AS PER DFPCL ENGINEER., 17.COMPLY WITH ALL STANDARDS OTHERWISE APPROPRIATE DEDUCTIONS, WILL BE MADE FROM FINAL BILL, 18.MODIFICATION, FABRICATION &lt;(&gt;&amp;&lt;)&gt; ASSOCIATED WORK FOR COMPLETION OF, JOB, 19.ANYTHING NOT SPECIFICALLY MENTIONED &lt;(&gt;&amp;&lt;)&gt; NECESSARY FOR JOB, COMPLETION, 20.SUPPLY OF COMPETENT MANPOWER &lt;(&gt;&amp;&lt;)&gt; SKILLED RIGGERS/SUPERVISOR ETC, TO, EXECUTE THE JOB SAFELY, 21.PPE FOR WORKMEN &lt;(&gt;&amp;&lt;)&gt; STAFF, TAIL END PULLEY DETAILS:-, 1.WHEEL PCD-630MM, 2.WHEEL SIDE PLATE MOC - ALLOY STEEL, 3.SHAFT MOC - EN08/C45, DFPCL SCOPE OF SUPPLY:-, 1.ELECTRIC POWER, WATER &lt;(&gt;&amp;&lt;)&gt; OTHER UTILITIES AT FREE OF COST., 2.ALL REQUIRED PERMITS TO CARRYOUT THE JOB, JOB CO-ORDINATION:-, 1.CONTRACT SUPERVISOR SHOULD MEET IMMEDIATELY TO THE CONCERNED, ENGINEER AFTER RECEIVING THE PURCHASE ORDER/LOI, 2.MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS, PER INSTRUCTION OF CONCERNED ENGINEER., 3.JOB SHOULD BE IMMEDIATELY STARTED AS PER INSTRUCTION OF, CONCERNED ENGINEER., SAFETY:-, 1.COMPLY WITH ALL STATUTORY REGULATIONS LIKE PAYMENT AS PER MINIMUM, WAGES, PF, MAINTAINING REQUISITE RECORDS VIZ. VARIOUS REGISTERS AND, SUBMITTING THE SAME TO P&lt;(&gt;&amp;&lt;)&gt;A DEPT. EVERY MONTH AS WELL AS WHENEVER, COMPLY WITH THE REGULATIONS, APPROPRIATE DEDUCTIONS WILL BE MADE, FROM MONTHLY BILLS, IN ADDITION TO PENALTY DEDUCTIONS, 2.ALL PERSONS SHALL WORK UNDER FULL SAFETY AND PRECAUTIONS BY, USING SAFETY HELMETS, SAFETY BELT, SAFETY SHOES, HAND GLOVES, GOGGLE, ETC. AS REQUIRED AND SHOULD FOLLOW OTHER DFPCL'S SAFETY REGULATIONS., HOUSEKEEPING:-, 1.ALL SCRAP MATERIAL SHOULD BE SHIFTED TO SCRAP YARD, IMMEDIATELY AFTER COMPLETION OF JOB, 2.ALL AREA NEAR THE JOB CARRIED OUT SHOULD BE CLEAN, 3.VENDOR WILL ENSURE THAT PASSAGES ARE NEVER BLOCKED DUE TO, CONGESTION OF METARIAL, 4.IF ANY OF ABOVE SAFETY OR HOUSEKEEPING POINT IS NOT FOLLOWED,, OR IT IS POINTED OUT, STRICT PENALTY WILL BE LEVIED UPON THE VENDOR</p>	EA
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315	1005498	Rubber lining inside tank surface wi mat	<p>SCOPE OF WORK,Apply Rubber lining inside the tank surface of PR &lt;(&gt;&amp;&lt;)&gt; prescrubber,tank of NPK plant with material.,CONTRACTORS SCOPE OF WORK,1) Apply chlorobutyl rubber inside the tank surface.,2) MOC of rubber will be chlorobutyl &lt;(&gt;&amp;&lt;)&gt; thickness will be 5mm,alongwith TC,3) Making surface prepration inside the tank walls by grinding process.,4) After through cleaning of the tank applying the primer adhesive on,tank internal surface.,5) After through cleaning of the tank applying the primer adhesive on,tank internal surface.,6) Doing actual rubber lining inside the tank at periphery,bottom,surface as well as top surface &lt;(&gt;&amp;&lt;)&gt; tank nozzles.,7)overlapping size at rubber joint sheet will be approx 50mm,8) Testing of rubber lining by spark test method and submitting the,proper report,9) Ref. tag nos are T-7111 /T-7511(Prescrubber tank &lt;(&gt;&amp;&lt;)&gt; T-7113,/T-7513(PR tank),10) Withstand the gurantee period as minimum 2 years from the date of,lining.,11) All other tools tackles,consumables required for the job will be,under contractor scope.,12)Job has to be done within 3 working days.,DSTL SCOPE OF WORK,1) issuing necessary work permit hot or cold as per job requirement.,2) Arranging necessary scaffold as required,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,Contractor will use only certified chain pulley block,wire slings,belts,while carrying out the job,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	M2
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316	1005536	PE-4451 OPEN & BOX UP	<p>SCOPE OF WORK,Open and box up the heat exchanger PE-4451, For tube plugging / hydro,blasting job.,CONTRACTORS SCOPE OF WORK,HEAT EXCHANGER DOME OPENING AND BOX UP ACTIVITY,1. Opening of cooling water lines flanges of one side dome cover,2. Removal of LHS Dome,3. Opening &lt;(&gt;&amp;&lt;)&gt; Removal of RHS Dome,4. Open the process I /I, o/I &lt;(&gt;&amp;&lt;)&gt; liquid o/I flanges Size: 4" x 150#, (2no) . &lt;(&gt;&amp;&lt;)&gt; box up the same flanges with slip blinds,5. Hydro testing arrangement to be made &lt;(&gt;&amp;&lt;)&gt; fixed at the proper,position .,6. Hand over the heat exchanger for hydroblasting.,7. After hydroblasting hydrotesting to be done. Hydrotesting will be in,the contractors scope.,8. Both dome &lt;(&gt;&amp;&lt;)&gt; all flange to be normalised with new gasket,9. Hand over the heat exchanger for final leak testing,10. Arresting of leakage if any.,1,1. Plugging of identified tube with taper plug .by pressing in both side of tube.",DSTL SCOPE OF WORK,Safety Permit.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,1)Hot insulation of steam Trap line of 3/4" size , insulation thickness,of 100 MM,,for coal fired boiler,CONTRACTORS SCOPE OF WORK,Annexure II : Scope of work,a). Cleaning of surface manually to remove rust, dust and foreign,materials.,b) Applying Thermal insulation paint on the cleaned surface.(DFT as per,std),c). Application of 50 mm thick Ceramic blanket of Density 128 kg/cm2,with the help of SS wire 22 Swg.,d). Application of LRB Mattress of different thickness (in multilayer),of density 120 kg/cm2 with one side ¾" x 24 swg G.I. wire netting over,pipelines with the help of G.I. wire.,e). To hold the insulation material properly in position 20 swg G.I.wire,to be tied over the insulation. All the gaps to be filled with loose,wool.,f). Finally 22 swg plain aluminium sheet to be fabricate, grooved and,with proper over lapping to be fixed over the insulation by means of,selftapping S.M.Screws,g) over lapping should be done with bitumen Sheet.,h) Scaffolding in vendor scope,i)The material, ancillaries used should be best quality .,j) Loading and unloading of material at site in vendor scope.,k) Personnel involved should be skilled and trained,l) Tools and Tackles required for execution should be in good condition.,m)</p>	EA
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Proper Housekeeping after completion of job in all respect.,n) Mode of measurement as per IS Code (IS-14164- 2008) standard,o) All remaining and wastages material of ceramic wool and LRB material,should take back by vendor,p) All material specification as per DFPCL technical scope,DSTL SCOPE OF WORK,1) DSTL will provide work permit at site,2) DSTLwill provide work place,3) DSTL will provide, air, electricity ,water.,SAFETY PRECAUTIONS,The contractor shall follow safety rules <(>&<)> regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To <(>&<)> fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.

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317	1005605	Replacement of WNA2 EGH bellow	<p>SCOPE OF WORK,1) Cutting and bending for 2inch and 1.5 inch ring section as drawing,SS 316L material.,2) Cutting and removing of existing damage ring ,grinding and DP test,3) Fixing argon welding of new ring proper standard 1451 mm,4) DP Testing ,5) EXPANDER GAS HEATER (WT.18 TON APPROX)LIFTING AND LOWERING ,6) Opening of all connected flanges,7) Removing of 4 nos spring support ,8) Lifting and resting of EGH in top beam,9) REPAIRING OF INSIDE LEAKAGES FOR EGH,10) Grinding and DP Testing of joints,11) Repairing of inside joints as per moc ,12) Blinding all shell side flanges,13) Testing and attending of leakages after DP testing,14) After clearance lowering of EGH and assembly of flange joints ,15) Assembly of spring supports and hot tightening ,CONTRACTORS SCOPE:.,1) Contractor to maintain its supervisor at site for the job when ever,their activity is in progress.,2) The supervisor shall coordinate with DFPCL engineer for job details,and further problems associated with jobs,3) Arrange for all the necessary manpower required for the job,4) All lifting tools &lt;(&gt;&amp;&lt;)&gt; tackles shall be arranged by contractor.,5) Lifting and lowering done by HOT.,TIME PERIOD :.Job to be carried on round the clock basis till the job is completed,and certified by DFPCL.,CONTRACTORS SCOPE OF WORK,1) Housekeeping.,2) All chain blocks and slings load testing to be done before commencing,the job &lt;(&gt;&amp;&lt;)&gt; CERTIFICATES TO BE PRODUCED BEFORE USE,3) Competent manpower to be deployed with round the clock supervision is,must.,4) Scaffolding erection to be done wherever required,5) DSTL safety rules and regulations to be followed,DSTL SCOPE OF WORK,1) Provision of scaffolding,electricity,water, air and permit.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor),.WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by</p>	LE
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contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card

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318	1005616	DHT for pipeline/Vessel joint	<p>SCOPE OF WORK:-,WNA-4 Nox compressor bottom piece cutting,welding &lt;(&gt;&amp;&lt;)&gt; fabrication,activity job.,i) This also involve dehydrogenation of pipe in case of old piece.,ii) Opening of existing pipe piece from location.,iii) Replacement of existing pipe piece portion with new fabricated pipe,piece.,iv) SR &lt;(&gt;&amp;&lt;)&gt; PWHT as per requirement.,v) Fixing of pipe piece in location.,CONTRACTORS SCOPE:,1) Contractor to maintain its supervisor at site for the job when ever,their activity is in progress.ROUND THE CLOCK SUPERVISION.,2) The supervisor shall coordinate with DFPCL engineer for job details,and further problems associated with jobs.,3) Arrange for all the necessary manpower required for the job,4) Contractor shall arrange all the required lifting tools, tackles etc.,for job.,TIME PERIOD :;Job to be carried on round the clock basis till the job is completed,and,certified by DFPCL. Tentatively job will be completed in 7 days after,commencement.,SAFETY :;All persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions using,safety helmets, safety belts, safety shoes, handgloves, goggles etc. as,required.,HOUSEKEEPING :;Contractor shall do housekeeping and shall remove all unwanted materials,from the work site immediately after completion of work.,Housekeeping shall also be done in between the work to keep the work,DFPCL SCOPE OF WORK,1) Provision of scaffolding,electricity,water, air and permit.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified</p> <p>to it's staff and workmen such as, safety helmets, s,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration</p>	PSH
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**(Company name, seal and signature of authorized person with Designation)**

is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions.

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319	1005623	WNA4 DENOX UNIT FLNG LEAKAGE	<p>SCOPE OF WORK:-,WNA-4 Denox unit body flange gasket replacement.,Scope of work:,1) Denox unit inlet line removal (Size: 20"x150#, Wt:1.0 ton),2) Top dome removal(Wt: 3 ton),3) Flange face cleaning,4) Top dome &lt;(&gt;&amp;&lt;)&gt; inlet line box up with new gaskets,Contractor scope:-,1) hydra require for job will be provided by DFPCL.,2) Crane required is in the scope of DFPCL,CONTRACTORS SCOPE:,1) Contractor to maintain its supervisor at site for the job,when ever their activity is in progress.ROUND THE CLOCK SUPERVISION,2) The supervisor shall coordinate with DFPCL engineer for job,details and further problems associated with jobs.,3) Arrange for all the necessary manpower required for the job.,4) Contractor shall arrange all the required lifting tools, tackles etc.,for job.,TIME PERIOD :Job to be carried on round the clock basis till the job is completed,and,certified by DFPCL. Tentatively job will be completed in 7 days after,commencement.,SAFETY :All persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions using,safety helmets,, safety belts, safety shoes, handgloves, goggles etc. as required.,HOUSEKEEPING :Contractor shall do housekeeping and shall remove all unwanted materials,from the work site immediately after completion of work.,Housekeeping shall also be done in between the work to keep the work,DSTL SCOPE OF WORK,1) Provision of scaffolding,electricity,water, air and permit.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified</p> <p>to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,REQUIRED GATE PASS MUST BE STRICTLY MADE</p>	EA
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BEFORE, BRINGING ANY LABOUR INSIDE FACTORY PREMISES., FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS, 1. ESIC ALLOTMENT LETTER, 2. ESIC TIC CARD, 3. Labour Licence (if applicable) for any employee, 4. P.F. Code Allotment Letter, 5. WORK ORDER / LOI, 6. Employment Card / I Card, 7. Photo Identity Card

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320	1005638	Removal 50 KG & fixing of 25 KG Binder	<p>SCOPE OF WORK,Removal of 50 Kg unit from Binder Bagging machine no 5,1-Removal the safety doors of Bagging machine,2- Removing of Bag guides Plate and bag closer assembly.,3-Removing of 50 kg spout with base frame and discharge chute.,4- Removal Bag placer assembly (50 KG),5- removing of any other accessories which is required for,interchanging.,6- Keep all assembly and spare part with proper cleaning and keeping,prescribed place.,Installation of 25KG unit of Bagging machine 5.,1- Fixing of Bag Guide.,2- Fixing of Bag placer 25KG unit.,3- Fixing of 25 KG discharge chute unit.,4- Installation of 25 KG Spout Assembly and Bag closer asseembly.,5- Fixing of Bag Guide.,6- Fixing of Safety doors.,7- All removed parts to be keep as per directed by Smartchem Enginners.,8- All Spare part and assembly should be proper clean and wrapping with,proper arrangement.,9-These service is valid for any time and any season x24 Hrs. as,according to need of Smartchem technologies.,10- All consumebale and required tools is in vedors scoe.,11-All electric connection Board switches, Grinding machine grinding,wheels, drill machine, jacks and and lifting arrangement like chain,pulley block, sealing lifting rope is in vendors scope.,12- For this service required compitent manpower fitter, rigers and,Helper.,Safety Precautions-,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incace of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as</p>	EA
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**(Company name, seal and signature of authorized person with Designation)**

per EIC instructions.

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321	1005639	Removal 25 KG & fixing of 50 KG Binder	<p>SCOPE OF WORK,Removal of 25 Kg unite from Binder Bagging machine no 5,1-Open the safety doors of Bagging machine,2- Removing of Bag guides.,3-Removing of 25 kg spout unit.,4-Removal of Discharge chute/Hopper.,5-Removal of Bag placer assembly.,6- Removal of Sealing Bag guide.,7- Keep all assembly and spare part with proper cleaning and prescribed,place.,Installation of 50KG unite of Baggiong machine 5.,1- Fixing of Bag Guide.,2- Fixing of Bag placer 50KG unit.,3- Fixing of 50 KG discharge chute unit.,4- Installation of 50 KG Spout Assembly and Bag closer asseembly.,5- Fixing of Bag Guide.,6- Fixing of Safety doors.,7- All removed parts to be keep as per directed by Smartchem Enginners.,8- All Spare part and assembly should be proper clean and wrapping with,proper arrangement.,9-These service is valid for any time and any season x24 Hrs. as,according to need of Smartchem technologies.,10-All consumebale and required Spanner is a veder scop.,11-All electric connection Board switches, Grinding machine grinding,wheels, drill machine, jacks and and lifting arrangement like tha chain,pulley block sealing lifting rope is vender scop.,12- For this service required compitent manpower fitter rigers and,Helper.,Safety Precautions-,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor),,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&amp;&lt;&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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322	1005695	Open/boxup & reparaire WNA-4 Evap i/l flng	<p>Scope of work,Evaporator inlet flange ( 20"x600) clamp normalisation,1) Removal of fermenting clamp.,2) Opening of flange (20" x600) bolts and cutting of bolts if required.,3) Removal of old gasket. cleaning of gasket sealing area.,4) opening of 8"x600 flange and remove elbow.,4) repairing of gasket sealing groove, imperfections etc by grinding ,,welding ,buffing to finish as per original area wherever required by,using appropriate electrode.,5) Box up of flanges (20"x600&lt;(&gt;&amp;&lt;) 8"x600) with gasket and tightening,of bolts.,6) Hot tightening of flanges during running of plant as per,requirements.,7)All competent manpower, tools &lt;(&gt;&amp;&lt;) tackels and,welding/grinding/buffing consumables are in vendors scope.,DSTL SCOPE :,1) bolts, gasket and scaffolding required are in DSTL scope.,2) Light, electricity and water,TIME PERIOD :,Job to be carried on round the clock basis,till the job is completed and certified by DSTL.,SAFETY :,All persons shall work under full safety &lt;(&gt;&amp;&lt;) precautions,using safety helmets, safety belts,&lt;(&gt;&amp;&lt;)safety shoes,,handgloves, goggles etc. as required.,CONTRACTORS SCOPE OF WORK,1)Housekeeping.,2)DSTL safety rules and regulations to be followed,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;) regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;) fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card</p>	LE
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323	1005696	Open & box up expander i/l flange WNA4	<p>Scope of work, expander Y007 inlet flange ( 16"x150) opening &lt;(&gt;&amp;&lt;)&gt; box up.,1) Opening of flange (16" x150) bolts and cutting of bolts if not, opened.,2) Removal of old gasket.,3) repairing of flange serrations.,4) Box up of flange (16" x 150) with gasket and tightening of bolts.,tightening of bolts by hydraulic bolt tightening machine if required,5) Hot tightening of bolts during running of plant as per requirement.,6)All competent manpower, tools &lt;(&gt;&amp;&lt;)&gt; tackles are in vendors scope.,DSTL SCOPE :,1) bolts, gasket and scaffolding required are in DSTL scope.,2) Light, electricity and water,TIME PERIOD :;Job to be carried on round the clock basis,till the job is completed and certified by DSTL.,SAFETY :;All persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions,using safety helmets, safety belts,&lt;(&gt;&amp;&lt;)&gt;safety shoes,,handgloves, goggles etc. as required.,CONTRACTORS SCOPE OF WORK,1)Housekeeping.,2)DSTL safety rules and regulations to be followed,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excluding,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicable) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card</p>	LE
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324	1005698	O&B Top Cover of SBA D82401/2/3 DM plant	<p>SCOPE OF WORK,D8-2401/2/3 Anion vessels ( SBA 1/2/3) top cover open &lt;(&gt;&amp;&lt;)&gt; box up of,DM plant of ammonia plant,Cover size: 32 inches,Weight: 85 kg,CONTRACTORS SCOPE OF WORK,1) Opening &lt;(&gt;&amp;&lt;)&gt; removal of connected line.,2) Opening &lt;(&gt;&amp;&lt;)&gt; removal of top cover with gasket,3) Removal of internal distributor.,4) Box up the distributor after process clearnace,5) Box up the top cover with gasket. If gasket is damaged cut the new,gasket,6) Box up the connected line.,DSTL SCOPE OF WORK,1) Shall provide air and power for the job,2) Shall provide gaskets for the job,3) Blinding &lt;(&gt;&amp;&lt;)&gt; deblinding of line if requir.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company on chargeable,/ returnable basis (cost of repair or damage as a result of mishandling,will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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325	1005699	O&B Top Cover of SAC D82405/6/7 DM plant	<p>SCOPE OF WORK,D8-2405/6/7 Cation vessles ( SAC 1/2/3) top cover open &lt;(&gt;&amp;&lt;)&gt; box up of,DM plant of ammonia plant,Cover size: 32 inches,Weight: 85 kg,CONTRACTORS SCOPE OF WORK,1) Opening &lt;(&gt;&amp;&lt;)&gt; removal of connected line.,2) Opening &lt;(&gt;&amp;&lt;)&gt; removal of top cover with gasket,3) Removal of internal ditributor,4) Box up the ditributor after process clearnace,5) Box up the top cover with gasket. If gasket is damaged cut the new,gasket,6) box up the connected line,DSTL SCOPE OF WORK,1) Shall provide air and power for the job,2) Shall provide gaskets for the job,3) Blinding &lt;(&gt;&amp;&lt;)&gt; debinding of line if requir.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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326	1005702	WNA-4 BFW Preheater tube leak arrest	<p>SCOPE OF JOB :-,BFW PRAHEATER SOUTH SIDE TUBE LEAK ARRESTING BY PLUGGING.,1. OPENING OF FLANGE JOINT 32 " (3 NOS.),2. REMOVAL OF INLET "T" LINE ABOVE IT USING CRANE.,3. REMOVAL OF PREHEATER BY CRANE &lt;(&gt;&amp;&lt;)&gt; SHIFTING OF SAME FOR,HYDROTESTING LOCATION.,4. IDENTIFY THE LEAK TUBE BY HYDROTESTING AND PLUG THE SAME TUBE BY,WELDING.,5. FINAL HYDRO TESTING AT 12 KG/CM2.,6. BUILD-UP OF FLANGE FACES IF REQUIRED BY WELDING AND GRINDING,7. CUTTING OF NEW GASKET(32" X 4NOS) &lt;(&gt;&amp;&lt;)&gt; FIXING OF NEW GASKET,8. BOX-UP OF PREHEATER WITH CONNECTING INLET TEE 32"PIPE.,9. NORMALISE OF PREHEATER VENT AND DRAIN LINE BY WELDING.,10. HOT TIGHTENING AFTER PLANT STARTUP.,CONTRACTORS SCOPE:,1) Contractor to maintain its supervisor at site for the job when ever,their activity is in progress.,2) The supervisor shall coordinate with DFPCL engineer for job details,and further problems associated with jobs.,3) Arrange for all the necessary manpower required for the job.,4) All lifting tools &lt;(&gt;&amp;&lt;)&gt; tackles shall be provided by contractor.,5) Scaffolding shall be in Contractor scope.,DSTL SCOPE :,1) hydra needed for shifting of material or equipment.,2) Crane shall be provided by DSTL.,3) Light, electricity,Water and scaffolding.,4) bolts, gasket and scaffolding required are in DSTL scope.,Note:- Job To be Carried out as per DSTL time frame and Schedule.,TIME PERIOD :,Job to be carried on round the clock basis till the job is completed,and certified by DSTL.,No worker will work more than 12 hours per day.,SAFETY :,All persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions using,safety helmets, safety belts,&lt;(&gt;,&lt;)&gt;safety shoes, handgloves, goggles,etc. as required.,CONTRACTORS SCOPE OF WORK,1) Housekeeping.,2) DSTL safety rules and regulations to be followed,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work</p>	LE
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327	1005710	Support Roller repl of D7102/7502 in NPK	<p>D7102/7502 DRYER DRUM SUPPORT ROLLER REPLACEMENT,CONTRACTOR'S SCOPE OF SUPPLY :;1. DISMANTLING &lt;(&gt;&amp;&lt;)&gt; ASSEMBLY OF DRUM SUPPORT ROLLER AS PER,INSTRUCTION OF DSTL ENGINEER. (TOTAL APPROX WEIGHT -3500 KG),2. UNLOADING, LIFTING &lt;(&gt;&amp;&lt;)&gt; SHIFTING OF NEW ROLLER/OTHER SPARES AS PER,DSTL ENGINEER INSTRUCTION FROM STORE TO NPK PLANT,3 .CUTTING/FABRICATION &lt;(&gt;&amp;&lt;)&gt; OTHER MISC JOBS ASSOCIATED WITH THIS,ACTIVITY,4.SUPPLY OF COMPETENT MANPOWER &lt;(&gt;&amp;&lt;)&gt; SKILLED RIGGERS,SUPERVISOR ETC TO,EXECUTE THE JOB SAFELY,5. ASSISTANCE OF MANPOWER FOR REPLACEMENT OF SUPPORT ROLLER BEARINGS,6.SPECIAL LIFTING TOOLS/TACKLES, CONSUMABLES ETC REQD TO CARRY OUT THE,JOB, SHIFTING OF ASSOCIATED MATERIAL, TRANSPORTATION VEHICLE e.g. HYDRA,,CRANE, FORKLIFT etc. REQD FOR SHIFTING OF MATERIAL,7.TO ENSURE COMPLETION OF JOB WITHIN GIVEN TIMEFRAME AS PER DSTL,ENGINEER.,8.TO SAFEGUARD THE WHOLE ACTIVITY PPE FOR WORKMEN &lt;(&gt;&amp;&lt;)&gt; STAFF,9. ALL PERSONS SHALL WORK UNDER FULL SAFETY AND PRECAUTIONS BY USING,SAFETY HELMETS, SAFETY BELT, SAFETY SHOES, HAND GLOVES,GOGGLE ETC. AS,REQUIRED AND SHOULD FOLLOW OTHER DFPCL'S SAFETY REGULATIONS.,10. LIFTING OF DRUM WITH HYDRAULIC JACK FOR REMOVAL OF ROLLERS IN WHICH,HYDRAULIC JACK IS TO BE ARRANGED BY CONTRACTOR,JOB CO-ORDINATION:-,1.CONTRACT SUPERVISOR SHOULD MEET IMMEDIATELY TO THE CONCERNED ENGINEER,AFTER RECIEVING THE PURCHASE ORDER/LOI,2.MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS PER,INSTRUCTION OF CONCERNED ENGINEER.,3.JOB SHOULD BE IMMEDIATELY STARTED AS PER INSTRUCTION OF CONCERNED,ENGINEER.,4.AFTER COMPLETION OF THE JOB PROPER HOUSEKEEPING OF AREA TO BE DONE,&lt;(&gt;&amp;&lt;)&gt;,SIGNATURE OF ENGINEER SHOULD BE TAKEN ON HOUSEKEEPING CERTIFICATE.,OTHERS:-,1.IN CASE OF FABRICATION DYE PENETRANT TEST FOR EACH JOINT IS,COMPULSORY &lt;(&gt;&amp;&lt;)&gt; SHOULD BE CERTIFIED BY DSTL ENGINEER,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor),,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's</p>	LE
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manpower.,HOUSEKEEPING:-,1.ALL SCRAP MATERIAL SHOULD BE SHIFTED TO SCRAP YARD IMMEDIATELY AFTER,COMPLETION OF JOB,2.ALL AREA, NEAR THE JOB CARRIED OUT SHOULD BE CLEAN,3.VENDOR WILL ENSURE THAT PASSAGES ARE NEVER BLOCKED DUE TO,CONGESTION OF MATERIAL,4.IF ANY OF ABOVE SAFETY OR HOUSEKEEPING POINT IS NOT FOLLOWED,,OR IT IS POINTED OUT, STRICT PENALTY WILL BE LEVIED UPON THE VENDOR,DSTL SCOPE OF SUPPLY:-,1.ELECTRIC POWER, WATER <(>&<)> OTHER UTILITIES AT FREE OF COST.,2.ALL REQUIRED PERMITS TO CARRYOUT THE JOB,3.DP TEST MATERIALS AND PAINTING MATERIAL REQUIRED FOR ABOVE JOBS,ARE IN SCOPE OF DSTL,TIME SCHEDULE:-,1.JOB HAS TO BE STARTED IN CONSULTATION WITH OUR JOB CO-ORDINATOR(DSTL,ENGINEER) DURING SHUT-DOWN.,2. JOB HAS TO BE COMPLETED WITHIN 24 HOURS. IF PROPER CLEARANCE HAVE,BEEN GIVEN FROM DSTL.,TERMS <(>&<)> CONDITIONS:-,1.PAID HOLIDAY/WEEKLY OFF WILL BE CONSIDERED AS A NORMAL WORKING DAYS.,2.GIVEN QUANTITIES ARE APPROXIMATE HOWEVER CONTRACTOR WILL,BE PAID AS PER ACTUAL QUANTITY CERTIFIED BY ENGG. INCHARGE

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328	1005711	Support Roller repl of D7103/7503 in NPK	<p>D7102/7502 DRYER DRUM SUPPORT ROLLER REPLACEMENT,CONTRACTOR'S SCOPE OF SUPPLY :,1. DISMANTLING &lt;(&gt;&amp;&lt;)&gt; ASSEMBLY OF DRUM SUPPORT ROLLER AS PER,INSTRUCTION OF DSTL ENGINEER. (TOTAL APPROX WEIGHT -2200 KG),2. UNLOADING, LIFTING &lt;(&gt;&amp;&lt;)&gt; SHIFTING OF NEW ROLLER/OTHER SPARES AS PER,DSTL ENGINEER INSTRUCTION FROM STORE TO NPK PLANT,3 .CUTTING/FABRICATION &lt;(&gt;&amp;&lt;)&gt; OTHER MISC JOBS ASSOCIATED WITH THIS,ACTIVITY,4.SUPPLY OF COMPETENT MANPOWER &lt;(&gt;&amp;&lt;)&gt; SKILLED RIGGERS,SUPERVISOR ETC TO,EXECUTE THE JOB SAFELY,5. ASSISTANCE OF MANPOWER FOR REPLACEMENT OF SUPPORT ROLLER BEARINGS,6.SPECIAL LIFTING TOOLS/TACKLES, CONSUMABLES ETC REQD TO CARRY OUT THE,JOB, SHIFTING OF ASSOCIATED MATERIAL, TRANSPORTATION VEHICLE e.g. HYDRA,,CRANE, FORKLIFT etc. REQD FOR SHIFTING OF MATERIAL,7.TO ENSURE COMPLETION OF JOB WITHIN GIVEN TIMEFRAME AS PER DSTL,ENGINEER.,8.TO SAFEGUARD THE WHOLE ACTIVITY PPE FOR WORKMEN &lt;(&gt;&amp;&lt;)&gt; STAFF,9. ALL PERSONS SHALL WORK UNDER FULL SAFETY AND PRECAUTIONS BY USING,SAFETY HELMETS, SAFETY BELT, SAFETY SHOES, HAND GLOVES,GOGGLE ETC. AS,REQUIRED AND SHOULD FOLLOW OTHER DFPCL'S SAFETY REGULATIONS.,10. LIFTING OF DRUM WITH HYDRAULIC JACK FOR REMOVAL OF ROLLERS IN WHICH,HYDRAULIC JACK IS TO BE ARRANGED BY CONTRACTOR,JOB CO-ORDINATION:-,1.CONTRACT SUPERVISOR SHOULD MEET IMMEDIATELY TO THE CONCERNED ENGINEER,AFTER RECIEVING THE PURCHASE ORDER/LOI,2.MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS PER,INSTRUCTION OF CONCERNED ENGINEER.,3.JOB SHOULD BE IMMEDIATELY STARTED AS PER INSTRUCTION OF CONCERNED,ENGINEER.,4.AFTER COMPLETION OF THE JOB PROPER HOUSEKEEPING OF AREA TO BE DONE,&lt;(&gt;&amp;&lt;)&gt;,SIGNATURE OF ENGINEER SHOULD BE TAKEN ON HOUSEKEEPING CERTIFICATE.,OTHERS:-,1.IN CASE OF FABRICATION DYE PENETRANT TEST FOR EACH JOINT IS,COMPULSORY &lt;(&gt;&amp;&lt;)&gt; SHOULD BE CERTIFIED BY DSTL ENGINEER,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor),,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's</p>	LE
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329	1005712	Support Roller repl of D7104/7504 in NPK	<p>D7104/7504 COATER DRUM SUPPORT ROLLER REPLACEMENT,CONTRACTOR'S SCOPE OF SUPPLY :,1. DISMANTLING &lt;(&gt;&amp;&lt;)&gt; ASSEMBLY OF DRUM SUPPORT ROLLER AS PER,INSTRUCTION OF DSTL ENGINEER. (TOTAL APPROX WEIGHT -1200 KG),2. UNLOADING, LIFTING &lt;(&gt;&amp;&lt;)&gt; SHIFTING OF NEW ROLLER/OTHER SPARES AS PER,DSTL ENGINEER INSTRUCTION FROM STORE TO NPK PLANT,3 .CUTTING/FABRICATION &lt;(&gt;&amp;&lt;)&gt; OTHER MISC JOBS ASSOCIATED WITH THIS,ACTIVITY,4.SUPPLY OF COMPETENT MANPOWER &lt;(&gt;&amp;&lt;)&gt; SKILLED RIGGERS,SUPERVISOR ETC TO,EXECUTE THE JOB SAFELY,5. ASSISTANCE OF MANPOWER FOR REPLACEMENT OF SUPPORT ROLLER BEARINGS,6.SPECIAL LIFTING TOOLS/TACKLES, CONSUMABLES ETC REQD TO CARRY OUT THE,JOB, SHIFTING OF ASSOCIATED MATERIAL, TRANSPORTATION VEHICLE e.g. HYDRA,,CRANE, FORKLIFT etc. REQD FOR SHIFTING OF MATERIAL,7.TO ENSURE COMPLETION OF JOB WITHIN GIVEN TIMEFRAME AS PER DSTL,ENGINEER.,8.TO SAFEGUARD THE WHOLE ACTIVITY PPE FOR WORKMEN &lt;(&gt;&amp;&lt;)&gt; STAFF,9. ALL PERSONS SHALL WORK UNDER FULL SAFETY AND PRECAUTIONS BY USING,SAFETY HELMETS, SAFETY BELT, SAFETY SHOES, HAND GLOVES,GOGGLE ETC. AS,REQUIRED AND SHOULD FOLLOW OTHER DFPCL'S SAFETY REGULATIONS.,10. LIFTING OF DRUM WITH HYDRAULIC JACK FOR REMOVAL OF ROLLERS IN WHICH,HYDRAULIC JACK IS TO BE ARRANGED BY CONTRACTOR,JOB CO-ORDINATION:-,1.CONTRACT SUPERVISOR SHOULD MEET IMMEDIATELY TO THE CONCERNED ENGINEER,AFTER RECIEVING THE PURCHASE ORDER/LOI,2.MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS PER,INSTRUCTION OF CONCERNED ENGINEER.,3.JOB SHOULD BE IMMEDIATELY STARTED AS PER INSTRUCTION OF CONCERNED,ENGINEER.,4.AFTER COMPLETION OF THE JOB PROPER HOUSEKEEPING OF AREA TO BE DONE,&lt;(&gt;&amp;&lt;)&gt;,SIGNATURE OF ENGINEER SHOULD BE TAKEN ON HOUSEKEEPING CERTIFICATE.,OTHERS:-,1.IN CASE OF FABRICATION DYE PENETRANT TEST FOR EACH JOINT IS,COMPULSORY &lt;(&gt;&amp;&lt;)&gt; SHOULD BE CERTIFIED BY DSTL ENGINEER,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor),,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's</p>	LE
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330	1005714	Gear Cplg repl of D7103/7503 in NPK	<p>D7103/7503 COOLER DRUM GEAR COUPLING REPLACEMENT,CONTRACTOR'S SCOPE OF SUPPLY :;1. REMOVAL &lt;(&gt;&amp;&lt;)&gt; REPLACEMENT OF PINION TO GEARBOX COUPLING AS PER,INSTRUCTION OF DSTL ENGINEER. (TOTAL APPROX WEIGHT - 300 KG),2. UNLOADING, LIFTING &lt;(&gt;&amp;&lt;)&gt; SHIFTING OF NEW CPLG/OTHER SPARES AS PER,DSTL ENGINEER INSTRUCTION FROM STORE TO NPK PLANT,3 .CUTTING/FABRICATION &lt;(&gt;&amp;&lt;)&gt; OTHER MISC JOBS ASSOCIATED WITH THIS,ACTIVITY,4.SUPPLY OF COMPETENT MANPOWER &lt;(&gt;&amp;&lt;)&gt; SKILLED RIGGERS,SUPERVISOR ETC TO,EXECUTE THE JOB SAFELY,5. ASSISTANCE OF MANPOWER FOR ALIGNMENT OF DRUM,6.SPECIAL LIFTING TOOLS/TACKLES, CONSUMABLES ETC REQD TO CARRY OUT THE,JOB, SHIFTING OF ASSOCIATED MATERIAL, TRANSPORTATION VEHICLE e.g. HYDRA,,CRANE, FORKLIFT etc. REQD FOR SHIFTING OF MATERIAL,7.TO ENSURE COMPLETION OF JOB WITHIN GIVEN IMEFAME AS PER DSTL,ENGINEER.,8.TO SAFEGUARD THE WHOLE ACTIVITY, PPE FOR WORKMEN &lt;(&gt;&amp;&lt;)&gt; STAFF,9. ALL PERSONS SHALL WORK UNDER FULL SAFETY AND PRECAUTIONS BY USING,SAFETY HELMETS, SAFETY BELT, SAFETY SHOES, HAND GLOVES,GOGGLE ETC. AS,REQUIRED AND SHOULD FOLLOW OTHER DFPL'S SAFETY REGULATIONS.,10. POSITIONING OF GEARBOX AS PER REQUIREMENT FOR REMOVAL &lt;(&gt;&amp;&lt;)&gt;,REPLACEMENT OF COUPLING,11. FIXTURES REQUIRED FOR REMOVAL OF COUPLING SHOULD BE PREPARED BY,CONTRACTOR BY HIS OWN MATERIAL &lt;(&gt;&amp;&lt;)&gt; AS PER HIS KNOWLEDGE.,JOB CO-ORDINATION:-,1.CONTRACT SUPERVISOR SHOULD MEET IMMEDIATELY TO THE CONCERNED ENGINEER,AFTER RECIEVING THE PURCHASE ORDER/LOI,2.MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS PER,INSTRUCTION OF CONCERNED ENGINEER.,3.JOB SHOULD BE IMMEDIATELY STARTED AS PER INSTRUCTION OF CONCERNED,ENGINEER.,4.AFTER COMPLETION OF THE JOB PROPER HOUSEKEEPING OF AREA TO BE DONE,&lt;(&gt;&amp;&lt;)&gt;,SIGNATURE OF ENGINEER SHOULD BE TAKEN ON HOUSEKEEPING CERTIFICATE.,OTHERS:-,1.IN CASE OF FABRICATION DYE PENETRANT TEST FOR EACH JOINT IS,COMPULSORY &lt;(&gt;&amp;&lt;)&gt; SHOULD BE CERTIFIED BY DSTL ENGINEER,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of</p>	LE
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**The participating company's declaration:**

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**(Company name, seal and signature of authorized person with Designation)**

loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING:-,1.ALL SCRAP MATERIAL SHOULD BE SHIFTED TO SCRAP YARD IMMEDIATELY AFTER,COMPLETION OF JOB,2.ALL AREA, NEAR THE JOB CARRIED OUT SHOULD BE CLEAN,3.VENDOR WILL ENSURE THAT PASSAGES ARE NEVER BLOCKED DUE TO,CONGESTION OF MATERIAL,4.IF ANY OF ABOVE SAFETY OR HOUSEKEEPING POINT IS NOT FOLLOWED,,OR IT IS POINTED OUT, STRICT PENALTY WILL BE LEVIED UPON THE VENDOR,DSTL SCOPE OF SUPPLY:-,1.ELECTRIC POWER, WATER (>&<) OTHER UTILITIES AT FREE OF COST.,2.ALL REQUIRED PERMITS TO CARRYOUT THE JOB,3.DP TEST MATERIALS AND PAINTING MATERIAL REQUIRED FOR ABOVE JOBS,ARE IN SCOPE OF DSTL,TIME SCHEDULE:-,1.JOB HAS TO BE STARTED IN CONSULTATION WITH OUR JOB CO-ORDINATOR(DSTL,ENGINEER) DURING SHUT-DOWN.,2. JOB HAS TO BE COMPLETED WITHIN 24 HOURS. IF PROPER CLEARANCE HAVE,BEEN GIVEN FROM DSTL.,TERMS (>&<) CONDITIONS:-,1.PAID HOLIDAY/WEEKLY OFF WILL BE CONSIDERED AS A NORMAL WORKING DAYS.,2.GIVEN QUANTITIES ARE APPROXIMATE HOWEVER CONTRACTOR WILL,BE PAID AS PER ACTUAL QUANTITY CERTIFIED BY ENGG. INCHARGE

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331	1005715	Gear Cplg repl of D7102/7502 in NPK	<p>D7101/7501 DRYER DRUM GEAR COUPLING REPLACEMENT,CONTRACTOR'S SCOPE OF SUPPLY : ,1. REMOVAL &lt;(&gt;&amp;&lt;)&gt; REPLACEMENT OF PINION TO GEARBOX COUPLING AS PER,INSTRUCTION OF DSTL ENGINEER. (TOTAL APPROX WEIGHT - 300 KG),2. UNLOADING, LIFTING &lt;(&gt;&amp;&lt;)&gt; SHIFTING OF NEW CPLG/OTHER SPARES AS PER,DSTL ENGINEER INSTRUCTION FROM STORE TO NPK PLANT,3 .CUTTING/FABRICATION &lt;(&gt;&amp;&lt;)&gt; OTHER MISC JOBS ASSOCIATED WITH THIS,ACTIVITY,4.SUPPLY OF COMPETENT MANPOWER &lt;(&gt;&amp;&lt;)&gt; SKILLED RIGGERS,SUPERVISOR ETC TO,EXECUTE THE JOB SAFELY,5. ASSISTANCE OF MANPOWER FOR ALIGNMENT OF DRUM,6.SPECIAL LIFTING TOOLS/TACKLES, CONSUMABLES ETC REQD TO CARRY OUT THE,JOB, SHIFTING OF ASSOCIATED MATERIAL, TRANSPORTATION VEHICLE e.g. HYDRA,,CRANE, FORKLIFT etc. REQD FOR SHIFTING OF MATERIAL,7.TO ENSURE COMPLETION OF JOB WITHIN GIVEN IMEFAME AS PER DSTL,ENGINEER.,8.TO SAFEGUARD THE WHOLE ACTIVITY, PPE FOR WORKMEN &lt;(&gt;&amp;&lt;)&gt; STAFF,9. ALL PERSONS SHALL WORK UNDER FULL SAFETY AND PRECAUTIONS BY USING,SAFETY HELMETS, SAFETY BELT, SAFETY SHOES, HAND GLOVES,GOGGLE ETC. AS,REQUIRED AND SHOULD FOLLOW OTHER DFPL'S SAFETY REGULATIONS.,10. POSITIONING OF GEARBOX AS PER REQUIREMENT FOR REMOVAL &lt;(&gt;&amp;&lt;)&gt;,REPLACEMENT OF COUPLING,11. FIXTURES REQUIRED FOR REMOVAL OF COUPLING SHOULD BE PREPARED BY,CONTRACTOR BY HIS OWN MATERIAL &lt;(&gt;&amp;&lt;)&gt; AS PER HIS KNOWLEDGE.,JOB CO-ORDINATION:-,1.CONTRACT SUPERVISOR SHOULD MEET IMMEDIATELY TO THE CONCERNED ENGINEER,AFTER RECIEVING THE PURCHASE ORDER/LOI,2.MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS PER,INSTRUCTION OF CONCERNED ENGINEER.,3.JOB SHOULD BE IMMEDIATELY STARTED AS PER INSTRUCTION OF CONCERNED,ENGINEER.,4.AFTER COMPLETION OF THE JOB PROPER HOUSEKEEPING OF AREA TO BE DONE,&lt;(&gt;&amp;&lt;)&gt;,SIGNATURE OF ENGINEER SHOULD BE TAKEN ON HOUSEKEEPING CERTIFICATE.,OTHERS:-,1.IN CASE OF FABRICATION DYE PENETRANT TEST FOR EACH JOINT IS,COMPULSORY &lt;(&gt;&amp;&lt;)&gt; SHOULD BE CERTIFIED BY DSTL ENGINEER,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of</p>	LE
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loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING:-,1.ALL SCRAP MATERIAL SHOULD BE SHIFTED TO SCRAP YARD IMMEDIATELY AFTER,COMPLETION OF JOB,2.ALL AREA, NEAR THE JOB CARRIED OUT SHOULD BE CLEAN,3.VENDOR WILL ENSURE THAT PASSAGES ARE NEVER BLOCKED DUE TO,CONGESTION OF MATERIAL,4.IF ANY OF ABOVE SAFETY OR HOUSEKEEPING POINT IS NOT FOLLOWED,,OR IT IS POINTED OUT, STRICT PENALTY WILL BE LEVIED UPON THE VENDOR,DSTL SCOPE OF SUPPLY:-,1.ELECTRIC POWER, WATER (>&<) OTHER UTILITIES AT FREE OF COST.,2.ALL REQUIRED PERMITS TO CARRYOUT THE JOB,3.DP TEST MATERIALS AND PAINTING MATERIAL REQUIRED FOR ABOVE JOBS,ARE IN SCOPE OF DSTL,TIME SCHEDULE:-,1.JOB HAS TO BE STARTED IN CONSULTATION WITH OUR JOB CO-ORDINATOR(DSTL,ENGINEER) DURING SHUT-DOWN.,2. JOB HAS TO BE COMPLETED WITHIN 24 HOURS. IF PROPER CLEARANCE HAVE,BEEN GIVEN FROM DSTL.,TERMS (>&<) CONDITIONS:-,1.PAID HOLIDAY/WEEKLY OFF WILL BE CONSIDERED AS A NORMAL WORKING DAYS.,2.GIVEN QUANTITIES ARE APPROXIMATE HOWEVER CONTRACTOR WILL,BE PAID AS PER ACTUAL QUANTITY CERTIFIED BY ENGG. INCHARGE

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332	1005734	RO UF membrane replacement	<p>SCOPE OF WORK,Replacement of UF membrane in RO plant(ETP),1. Each membrane is 65kg in weight and legth=2500mm,Dia=230mm. Shift the,membrane from store to site.,2. disconnect the membrane from inlet header line by removal of hose,connection.,3. disconnect the membrane from outlet header line by removal of hose,connection. remove air tubing connections/ connector etc. and any other,connections.,4.Replace the membrane by new membrane and connect with inlet /outlet,header connection,5.Membrane to be connect with inlet /outlet header by 2"x500 long hose,connection.,6. Air tubing connection to be done.,7.Shift the removed membrane to desire location.,8.Trial to be taken and leakage to be attended.,JOB COMPLETION TIME,The total job duration is 8 hours. Contractor shall ensure mobilization,of all required resources and completion of the job as per Engineer,In-charge's instructions.,CONTRACTORS SCOPE OF WORK,1.Vendor to provide competent manpower for carrying out the said job.,2.All tools and tackles, lifting/shifting equipments, consumables ,,safety PPES are in vendors scope of work.,3.Job completion as per given time duration.,Under STL Scope -,1.Permit, water, Air, electricity will be provided by STL,2.Membrane provide by STL,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified</p> <p>to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.</p>	EA
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333	1005735	RO UF membrane installation	<p>SCOPE OF WORK,Replacement of UF membrane in RO plant(ETP),1. Each membrane is 65kg in weight and legth=2500mm,Dia=230mm.,2. Shift the membrane from Store to site.,3.Install the membrane on UF skid at RO plant.,4.Membrane to be connect with inlet /outlet header by 2"x500 long hose,connection.,5.Air tubing connection to be done.,6.Scrap material to be shifted to desired location.,7.Trial to be taken if found leakage to be attended.,JOB COMPLETION TIME,The total job duration is 8 hours. Contractor shall ensure mobilization,of all required resources and completion of the job as per Engineer,In-charge's instructions.,CONTRACTORS SCOPE OF WORK,1.Vendor to provide competent manpower for carrying out the said job.,2.All tools and tackles, lifting/shifting equipments, consumables ,,safety PPES are in vendors scope of work.,3.Job completion as per given time duration.,Under STL Scope -,1.Permit, water, Air, electricity will be provided by STL,2.Membrane provide by STL,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.</p>	EA
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334	1005737	CNA column open & boxup from C9 to C5	<p>Scope of work,CNA-1 COLUMN INTERNAL INSPECTION JOB,-REMOVAL OF 5 PIECES OF COLUMN FROM C9 TO C5 (STARTING FROM TOP),WITH INTERNALS,-COLUMN PIECE EACH - 1.4 MTR DIA x 3 MTR LONG, APPROX 1.5 TON,-NO OF COLUMN PIECES - 4NOS + 1 NOS DOME,Scope of work -,1) Opening of doors, erection of scaffolding for removal of 16" vapor,bend (APPROX 27 M3),.2) Assistance for removal of 16" vapor bend,3) Removal of dome, approx 1300 mm dia (approx 1t) using chain block.,4) Removal of bellow support by gas cutting for 16" bellow.,5) Removal of acid reflux line size-- 4" x 150# &lt;(&gt;&amp;&lt;)&gt; all connected,lines,,5th floor,6) Removal of packing of each column segments and shifting to,designated place.,7) Replacement of packing of each column segments along with shifting,of old and new packings.,8) Replacement of gaskets between column segments from C9 to C5,9) Shifting &lt;(&gt;&amp;&lt;)&gt; arranging of column segments for spark testing.,10) Shifting of related material from store to site &lt;(&gt;&amp;&lt;)&gt; old, UNUSED,material from site to scrap yard / Stores.,11) Removal of XCV -3201, 3203, 3205( 3" x 150# each),lcv ( 4" x 150 #,) &lt;(&gt;&amp;&lt;)&gt; nrv( 4"x 150#) and fixing back as per instruction.,12) Installation of packing &lt;(&gt;&amp;&lt;)&gt; boxup of all column segments with,new gasket &lt;(&gt;&amp;&lt;)&gt; torquing of bolts,13) Making arrangement for blinding and leak test. List of blinds- ,16"x150 #1no, 4 "x150# 3 nos, 3"x150 - 2nos, 2"x150# 2nos. Any other,line if required to be blinded shall be done by the vendor.,14) Any other miscellaneous jobs related to the above jobs,,if required by process should be carried out by the vendor.,15) Attend leakage if any immediately. After leakage test, final,box up of column segments, internals, dome and all connecting,lines with new gaskets.,16) Torque tightening of column flanges.,17) Removal of scaffolding and chain pulley block from position.,Contractors scope:-,1) Contractor shall arrange sufficient manpower, tools &lt;(&gt;&amp;&lt;)&gt; tackles,,welding consumables, for execution of jobs on round the clock,basis to ensure timely completion.,2) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPCl job coordinator.,3) All dismantled spares shall be properly stored, DFPCl shall not be,responsible for any loss of components.,4) Contractor shall fulfill all the conditions of safety permit,and ensure availability of all necessary PPE's.,5) All portable electrical equipments to be certified by safety depa,rtment before taking in use,6) All lifting tools &lt;(&gt;&amp;&lt;)&gt; tackles used for carrying out job should,have,valid certificates and to be submitted before starting the job to the,job-cordinator,7) Only certified welders shall carry out any welding jobs.,8) Chain block, slings &lt;(&gt;&amp;&lt;)&gt; all lifting equipments used by,contractors,should be certified for load testing and certificate should be produced,before starting the work.,9) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work,site immediately after completion of work. Housekeeping,shall also be done in between the work to keep the work,area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,10) food and snacks arrangement for manpower is in vendor scope.,11) Crane require for the job will be in contractors scope . He has to,visit at site &lt;(&gt;&amp;&lt;)&gt; select the crane as per job site location and safe,wtof equipment with all care of safety.,DFPCl scope of supply :-,Free Electric power &lt;(&gt;&amp;&lt;)&gt; water.,*****,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety</p>	LE
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orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,JOB CO-ORDINATION,CONTRACT SUPERVISOR SHOULD MEET IMMIDIATELY TO THE CONCERNED ENGINEER,AFTER RECIEVING THE PURCHASE ORDER/LOI.,MANPOWER AND MATERIAL SHOULD BE IMMIDIATELY MOBILISED AS PER INSTRUCTI,ON OF CONCERNED ENGINEER.,JOB SHOULD BE IMMIDIATELY STARTED AS PER INSTRUCTION OF CONCERNED ENGI,NEER.,AFTER COMPLETION OF THE JOB PROPER HOUSEKEEPING OF AREA TO BE DONE AND,SIGNATURE OF ENGINEER SHOULD BE TAKEN ON HOUSEKEEPING CERTIFICATE.,ONLY ONE INVOICE SHOULD BE IMMIDIATELY SUBMITTED TO THE CONCENRED ENGI,NEER AFTER COMPLETION OF JOB.,\*\*\*\*\*WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To <(>&<)> fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card

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335	1005780	REACTOR TEE OPEN & BOXUP ,IPA	<p>SCOPE OF WORK,This PR has been raised for following activity,related to removal of Reactor top TEE,REFERENCE: DFPCL Drg. No. # B2/1854/2010/300,Contractor has to arrange for following activity.,1) Rector top tee opening ang boxup activities.,i. Opening of Reactor Top TEE Size: 24#600# X 12' 600#.,For this 24#600# flange to be opened,&lt;(&gt;&amp;&lt;)&gt; this TEE to be shifted from reactor top to the Reactor side with,the,help of crane.(Crane in DFPCL scope),ii. Removal of Phosphoric acid Distributor from the top.( Weight: Approx,150KG),iii. Phosphoric Acid distributor flange &lt;(&gt;&amp;&lt;)&gt; TEE flange to be,thoroughly cleaned before boxed up.,iv. After getting clearance from process dept. Phosphoric Acid,distributor &lt;(&gt;&amp;&lt;)&gt; top TEE to be fixed with new gaskets.,v. All the studs to be thoroughly cleaned &lt;(&gt;&amp;&lt;)&gt; grease to be applied on,studs.Clamp inside reactor to be fixed in contractor scope.,vi)Any other small misc job as per requirement at site.,DFPCL SCOPE OF WORK,1)DFPCL will arrange for necessary permit.,2)Electricity &lt;(&gt;&amp;&lt;)&gt; Water,SAFETY PRECAUTIONS,i)The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii)Total job (rigging &lt;(&gt;&amp;&lt;)&gt; repalcement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii)The contractor is required to deploy persons for specific jobs who,are trained and skilled in activity and well familiar with hazards and,safety precautions.,iv)The supervisor/staff of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,v)Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKING HOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 1day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good,housekeeping at work site during work &lt;(&gt;&amp;&lt;)&gt; after work.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization and completion of the job including,dismantling, etc. as per EIC instructions.</p>	LE
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336	1005817	Replacement of WNA-3 Ammonia Evaporator	<p>Replacement of WNA-3 Ammonia Evaporator,Scope of work:,1) Receive New exchanger &lt;(&gt;&amp;&lt;)&gt; shifted to WNA-3 plant (approx. weight,-4800Kg),2) Disconnect all nozzles of old exchanger (CW nozzles- 10"- 2 nos, PSV,Nozzle 1-1/2",1/2" Ammonia nozzles 4",2",1-1/2",2", instrument flanges,2", disconnect 2 no level gauges.,3) Cutting of 6" water line to remove exchanger and making of breakup,flange.,4) removing of old exchanger.,5) Shifting of New Exchanger.,6) Lift the Exchanger to the original position after civil foundation,work clearance.,7) Boxup of all nozzles, PSV &lt;(&gt;&amp;&lt;)&gt; connected Instruments.,8) Welding of Cooling water line (10") &lt;(&gt;&amp;&lt;)&gt; other connected lines . (,Note- As service is Liquid NH3, NDT testing to be done of welded,joints),.9) box up of all connected lines.,10) Housekeeping to done after completion of job .,11) Leak/Hydro test to be done.,12) Extra related jobs of lifting/shifting ,cutting/welding jobs to be,done without any extra cost.,13) Job to be done Round the clock and Coordination with DFPCL,Supervisor,14) All tools and tackles in vendor scope,15) Hydra and crane is in vendor scope.,16) any modification in pipe line for ammonia and cooling water is in,vendor scope as per QAP and WPS.,DFPCL SCOPE OF WORK,1 ) SAFETY PERMIT TO BE PROVIDED BY DFPCL ENGINEER,2 ) ARRANGEMENT OF RETURNABLE GATE PASS,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as</p>	LE
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**The participating company's declaration:**

**I/We confirm having accepted all the terms as mentioned above.**

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**(Company name, seal and signature of authorized person with Designation)**

per EIC instructions.

***The participating company's declaration:***

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***(Company name, seal and signature of authorized person with Designation)***



337	1005829	OPEN & BOXUP OF D20301A/B EXCHANGER	<p>SCOPE OF WORK,D20301A/B EXCHANGER SYN I COOLER,Opening and removal of dome end covers (size- 640 mm OD x 75 mm Thk),to facilitate tube cleaning.,CONTRACTORS SCOPE OF WORK,1) Opening of Dome cover flange, after proper match marking.Provide any,blinds in,connecting lines if required for any job of the equipment.,2) Cleaning of gasket seating area of shell, shell flange, channel,,channel cover and all studs/ bolts.,3) Boxing up all the channel/ shell end covers.,4) Cover tightening / sequence shall be as per standard.,5) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely,completion of all jobs.,6) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,7) If any bolts requires to be cut that will not be considered as,additional job.,8) Scaffolding wherever necessary for the job shall be provided by the,contractor. Scaffolding shall be removed only on total completion,of the job.,9) Weld plug if required for any leaky tube.,9) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice,of DFPCl job coordinator.,10) All dismantled spares shall be properly stored, DFPCl shall not be,responsible for any loss of,components.,11) Additional work if any required to be done in addition to the given,scope of work, shall be informed,to the job co- ordinator before doing the work.,12) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,13) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted,materials from the work site immediately after completion of work.,Housekeeping shall also,be done in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,DSTL SCOPE OF WORK,1) Shall provide air and power for the job,2) Shall provide material for the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration</p>	EA
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**(Company name, seal and signature of authorized person with Designation)**

is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions.

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338	1005830	OPEN & BOXUP OF D20302A/B EXCHANGER	<p>SCOPE OF WORK,D20302A/B EXCHANGER SYN I COOLER,Opening and removal of dome end covers (size- 690 mm OD x 120 mm Thk),to facilitate tube cleaning.,CONTRACTORS SCOPE OF WORK,1) Opening of Dome cover flange, after proper match marking.Provide any,blinds in,connecting lines if required for any job of the equipment.,2) Cleaning of gasket seating area of shell, shell flange, channel,,channel cover and all studs/ bolts.,3) Boxing up all the channel/ shell end covers.,4) Cover tightening / sequence shall be as per standard.,5) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely,completion of all jobs.,6) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,7) If any bolts requires to be cut that will not be considered as,additional job.,8) Scaffolding wherever necessary for the job shall be provided by the,contractor. Scaffolding shall be removed only on total completion,of the job.,9) Weld plug if required for any leaky tube.,9) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice,of DFPCl job coordinator.,10) All dismantled spares shall be properly stored, DFPCl shall not be,responsible for any loss of,components.,11) Additional work if any required to be done in addition to the given,scope of work, shall be informed,to the job co- ordinator before doing the work.,12) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,13) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted,materials from the work site immediately after completion of work.,Housekeeping shall also,be done in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,DSTL SCOPE OF WORK,1) Shall provide air and power for the job,2) Shall provide material for the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration</p>	EA
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is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions., D74001 BORSIG BOILER DOME OPENING <(>&<)> BOXUP FOR INSPECTION, 1600 mm OD x 300 # , length 514 mm, D74001 BORSIG BOILER SIDE MANHOLE OPENING <(>&<)> BOXUP FOR INSPECTION, 28" OD X 300 #, CONTRACTORS SCOPE OF WORK, 1) Opening of channel, channel cover flange, after proper match, marking. Provide any blinds in, connecting lines if required for any job of the equipment., 2) Cleaning of gasket seating area of shell, shell flange, channel,, channel cover and all studs/ bolts., 3) Boxing up all the channel/ shell end covers., 4) Cover tightening / sequence shall be as per standard., 5) Contractor shall arrange sufficient tools <(>&<)> tackles for timely, completion of all jobs., 6) Contractor shall arrange hydra for the job for lifting dome, 7) Contractor shall keep manpower ready for leak attending when the, plant has been started up., 8) If any bolts requires to be cut that will not be considered as, additional job., 9) Scaffolding wherever necessary for the job shall be provided by the, contractor. Scaffolding shall be removed only on total completion, of the job., 10) Weld plug if required for any leaky tube., 11) Abnormality if any, observed during any stage of the job shall be, immediately brought into the notice, of DFPCL job coordinator., 12) All dismantled spares shall be properly stored, DFPCL shall not be, responsible for any loss of, components., 13) Additional work if any required to be done in addition to the given, scope of work, shall be informed, to the job co- ordinator before doing the work., 14) Contractor shall fulfill all the conditions of safety permit and, ensure availability of all necessary PPE's., 15) Contractor shall be responsible for the housekeeping of his, workplaces and shall remove all unwanted, materials from the work site immediately after completion of work., Housekeeping shall also, be done in between the work to keep the work area clean <(>&<)> tidy., DSTL SCOPE OF WORK, 1) Shall provide air and power for the job, 2) Shall provide material for the job, SAFETY PRECAUTIONS, The contractor shall follow safety rules <(>&<)> regulations, safety, procedures as per the safety standards and comply with the safety, requirements., The contractor is required to deploy persons for specific jobs who are, trained and skilled in particular trade and well familiar with hazards, and safety precautions., The site staff and workers of the contractors are required to undergo, safety orientation before they are assigned work at site. No person, shall be allowed at work site without safety orientation., The contractor shall ensure that any time during the performance of the, work his personnel are fit to execute the tasks assigned and are not, under the influence of any alcoholic liquor, drug or other intoxicating, substances., The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s, WORKING HOURS, Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin, MOBILIZATION, Contractor shall arrange for necessary materials, workmen and, supervision to start the work within 48 hours of instruction from EIC., Incase of emergency or shutdown, contractor shall mobilize all required, resources and start the work within 24 hours of instruction of EIC., To <(>&<)> fro transportation of the equipment shall be arranged by, contractor. However mobile crane/tractor, EOT/ HOT facilities, if, required for loading/unloading supply of slings and movement of the, machine at site shall be provided by Company, free of charge. However, actual activities of loading/ unloading, internal shifting of machines, shall have to be done by contractor's manpower., HOUSEKEEPING, It is the

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responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.

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339	1005832	O & B MANHOLE OF PRIMRY REFORMR D2-101	<p>SCOPE OF WORK,Open &lt;(&gt;&amp;&lt;)&gt; box up manhole of Primary Reformer D1-0101,Job involves opening and boxing up of the covers of Primary Reformer (4,nos),Covection duct (2 nos),Primary ref. manway cover size : 24" x 36" - 04 EA,Primary ref. convection duct cover size: 1) 29" x 29" - 02 EA,2),40" x 15" - 01 EA,1. Top &lt;(&gt;&amp;&lt;)&gt; Bottom manhole opening,2. After completion of reformer work box up the same,DSTL SCOPE OF WORK,1) Shall provide air and power for the job,2) Shall provide material for the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card</p>	EA
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340	1005834	REMOVE & ERECT MB-2 VESSEL IN IPA	<p>SCOPE OF WORK,vessel MB-2 Removal and erection.,CONTRACTORS SCOPE OF WORK,Vessel MB-2 removal And erection activities.,Vessel Dimension:size 1000mm dia &lt;(&gt;&amp;&lt;)&gt; 2600 mm height.,Wt approx - 1.2T,(1) Removal of foundation bolt (total 12 bolts) and fix it.,Total four foundation legs,(2) Open And box up all supported lines to vessel.,(3) open and box up of all connected Nozzles.,Total no of nozzles: 2 (3" flnag),Total no of nozzles: 3(1 1/2" flnag),(4) Contractor has to arrange platform cutting and welding work.,(5) Prefabrication of plateform will be carried out by contractor.,(6) Contractor has to erect necessary frame structure for lifting of,vessel tank at location.,(7) contractor will arrange vessel tank to vicinity of crane area.,(8) Arrangement of loading and unloading of vessel tank from vehicle.,(9) Contractor has to arrange vehicle for shifting of vessel tank to,given Address.,(10)All lifting tools(sling,Deshackle,belt and chainblock) will be in,contractor scope.,(11)Contractor has to send their Oprator,supervisor and required,manpower at site.,DFPCL SCOPE OF WORK,1)DFPCL will arrange for necessary permit.,2) Arrangement of Crane or Hydra will be in DFPCL scope.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified</p> <p>to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	LE
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341	1005837	OPEN & BOXUP OF D20310 EXCHANGER	<p>SCOPE OF WORK,D20310 EXCHANGER CHILLER WATER,Opening and removal of dome end covers on both ends (size- 220 mm OD x 8,mm Thk x 287 mm length ),to facilitate tube cleaning.,CONTRACTORS SCOPE OF WORK,1) Opening of Dome cover flange, after proper match marking.Provide any,blinds in,connecting lines if required for any job of the equipment.,2) Cleaning of gasket seating area of shell, shell flange, channel,,channel cover and all studs/ bolts.,3) Boxing up all the channel/ shell end covers.,4) Cover tightening / sequence shall be as per standard.,5) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely,completion of all jobs.,6) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,7) If any bolts requires to be cut that will not be considered as,additional job.,8) Scaffolding wherever necessary for the job shall be provided by the,contractor. Scaffolding shall be removed only on total completion,of the job.,9) Weld plug if required for any leaky tube.,9) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice,of DFPCL job coordinator.,10) All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of,components.,11) Additional work if any required to be done in addition to the given,scope of work, shall be informed,to the job co- ordinator before doing the work.,12) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,13) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted,materials from the work site immediately after completion of work.,Housekeeping shall also,be done in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,DSTL SCOPE OF WORK,1) Shall provide air and power for the job,2) Shall provide material for the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration</p>	EA
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**The participating company's declaration:**

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342	1005838	OPEN & BOXUP OF D20312 EXCHANGER	<p>SCOPE OF WORK,D20312 EXCHANGER RICH / LEAN SOLUTION,Opening and removal of dome end covers on both ends (size- 273 mm OD x,9.3 mm Thk x 327 mm length ),to facilitate tube cleaning.,CONTRACTORS SCOPE OF WORK,1) Opening of Dome cover flange, after proper match marking.Provide any,blinds in,connecting lines if required for any job of the equipment.,2) Cleaning of gasket seating area of shell, shell flange, channel,,channel cover and all studs/ bolts.,3) Boxing up all the channel/ shell end covers.,4) Cover tightening / sequence shall be as per standard.,5) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely,completion of all jobs.,6) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,7) If any bolts requires to be cut that will not be considered as,additional job.,8) Scaffolding wherever necessary for the job shall be provided by the,contractor. Scaffolding shall be removed only on total completion,of the job.,9) Weld plug if required for any leaky tube.,9) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice,of DFPCL job coordinator.,10) All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of,components.,11) Additional work if any required to be done in addition to the given,scope of work, shall be informed,to the job co- ordinator before doing the work.,12) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,13) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted,materials from the work site immediately after completion of work.,Housekeeping shall also,be done in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,DSTL SCOPE OF WORK,1) Shall provide air and power for the job,2) Shall provide material for the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration</p>	EA
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is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions.

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343	1005840	REMOVAL & ERECT HE98 WITH DFPC L CRANE	<p>SCOPE OF WORK,1)GENERAL : 1.1This requisition requires the Contractor to Open domes,,lines &lt;(&gt;&amp;&lt;)&gt;,remove existing HE-98 Heat Exchanger from Location, Erection of,New/Refurbish,(incase of retubing)HE-98 Exchanger &lt;(&gt;&amp;&lt;)&gt; Box up of New Exchanger at,location,with DFPC L supplied crane.,02) REFERENCE : 2.1DFPC L Drg. No.IM/HE/607,Exchanger position :about 17 mtr from the ground. Exchanger Weight : 24,Ton.,3)SCOPE OF WORK :,1)Analyze site Condition ,(Old Exchanger to be replaced, New Exchanger,to be installed &lt;(&gt;&amp;&lt;)&gt; surrounding pipelines(hurdles),during removal of old &lt;(&gt;&amp;&lt;)&gt; fittment of new exchanger during,installation.,2)If anything need to be done in advance for smooth removal &lt;(&gt;&amp;&lt;)&gt;,erection of,exchanger then it should be performed in advance.,(i.e. cutting/modification/removal of existing,structure/pipeline/equipment &lt;(&gt;&amp;&lt;)&gt;,Preparation of any fixture/jig strucutre for safe removal of exchanger),Dimensions for the old &lt;(&gt;&amp;&lt;)&gt; New Exchanger to be checked throughly,&lt;(&gt;&amp;&lt;)&gt;,identical size &lt;(&gt;&amp;&lt;)&gt; Nozzle direction to be confirmed.,3) Removal of domes and lines of Existing Heat Exchanger by DFPC L,supplied,crane and shifting it to ground.,(This activity can be done 1 day prior of actual removal &lt;(&gt;&amp;&lt;)&gt;,erection Exchanger,with 40T capacity DFPC L supplied crane),3.1)Opening of CW Domes 1.6m dia X150# - 2nos. Opening of coolingwater,lines of west side dome cover 10#X150#-3nos flanges.,3.2)Removal of cooling water return line 10#Sch40 # 4m long with crane.,3.3)Removal of domes of old HE-98 approx1.6m(Also new incase of,replacement),Heat Exchanger by DFPC L supplied crane and shifting it to ground.,3.4)Opening of channel vent and drain of east side dome 2#X150# - 2nos.,3.5)Opening of flanges of valves on propylene gas inlet side,12#X300#checking.,3.6)Removal of propylene gas inlet valve 12#X300-1nos and,outlet valve 8#X300#-1nos and shifting them to ground with help of,crane(as per requirement),3.7)Shifting of valves from ground and box up of propylene gas inlet, valve 12#X300-1nos and outlet valve 8#X300#-1nos.,3.8)Propylene I/L &lt;(&gt;&amp;&lt;)&gt; O/L line blinds to be opened size:12#300#-01no,&lt;(&gt;&amp;&lt;)&gt; 8#300#-01no &lt;(&gt;&amp;&lt;)&gt; lines to be dismantled.,3.9)Propylene equalization line blind Size:1#300#-01No to be removed,3.10)Dismantling of foundation bolt of exchanger,3.11) Removal of exchanger by crane &lt;(&gt;&amp;&lt;)&gt; shifting it to desired,location if required,by trailer (supplied by DFPC L),3.12)New exchanger to be erected on its original position by means of,DFPC L,supplied crane.,3.13)Exchanger leveling &lt;(&gt;&amp;&lt;)&gt; tightening of foundation bolt,3.14)Both dome cover box up with new gasket &lt;(&gt;&amp;&lt;)&gt; procees line &lt;(&gt;&amp;&lt;)&gt;,cooling water line to be normalised with new gasket.,3.15)Loading of old exchanger on trailer &lt;(&gt;&amp;&lt;)&gt; unloading of exchanger,at,desired location.,3.16)If nozzles are not fitting at Site then cutting welding job to be,done on,pipeline for which separate welding in-dia basis line item will be,placed in this PR.,3.17)Welding will be aprooved as per actual basis.,4) DFPC L SCOPE :;4.1 All required gaskets, stud-bolts.,4.2 Water, power.,4.3 Crane,Hydra,Trailor (if required),5) CONTRACTORS SCOPE:;5.1 Contractor to maintain its supervisor at site for the job when ever,their,activity is in progress.,5.2 The supervisor shall coordinate with DFPC L supervisor for job,details,and further problems associated with jobs.,5.3 Arrange for all the necessary manpower required for the job.,5.4 Scaffolding where ever required.,5.5Lifting Tools &lt;(&gt;&amp;&lt;)&gt; Tackles,6)TIME PERIOD :;6.1 Job to be carried on round the clock basis till the job is completed,and certified by DFPC L.,6.2 Vendor will be alloted with 1shift of crane.,8) MODE OF QUOTATION :;8.1 Contractor should quote lumpsum for entire job.,SAFETY PRECAUTIONS,i)The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii)Total job (rigging &lt;(&gt;&amp;&lt;)&gt; repalcement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii)The contractor is required to deploy persons for specific jobs who,are trained and</p>	EA
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skilled in activity and well familiar with hazards and safety precautions.,iv)The supervisor/staff of the contractors are required to undergo safety orientation before they are assigned work at site. No person shall be allowed at work site without safety orientation.,v)Contractor shall ensure that any time during the performance of the work his personnel are fit to execute the tasks assigned and are not under the influence of any alcoholic liquor, drug or other intoxicating substances.,The contractor shall provide personal protective equipment as specified to its staff and workmen such as safety helmets, s,WORKING HOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excluding

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344	1005859	CNA column open & boxup from C9 to C1	<p>Scope of work,CNA Column opening and boxup for packing replacement.,INTERNALS,-COLUMN PIECE EACH - 1.4 MTR DIA x 3 MTR LONG, APPROX 3 TON,-NO OF COLUMN PIECES - 8 NOS + 1 NOS DOME,Scope of work -,1) Opening of doors, erection of scaffolding for removal of 16" vapor,bend (APPROX 27 M3),.2) Assistance for removal of 16" vapor bend,3) Removal of dome, approx 1300 mm dia (approx 1t) using chain block.,4) Removal of bellow support by gas cutting / grinding for 16" bellow.,5) Removal of acid reflux line size-- 4" x 150# &lt;(&gt;&amp;&lt;)&gt; all connected,lines, 5th floor,6) Removal of packing of each column segments and shifting to designated,place.,7) Fixing of packings of each column segment.,8) Replacement of damaged Doughnut rings and shifting of new and old,doughnut,ring to designated place.,9) Replacement of gaskets between column segments from top floor to 1st,floor,10) Shifting &lt;(&gt;&amp;&lt;)&gt; arranging of column segments for spark testing.,11) Shifting of related material from store to site &lt;(&gt;&amp;&lt;)&gt; old, UNUSED,material from,site to scrap yard / Stores.,12) Removal of XCV -3201, 3203, 3205( 3" x 150# each),lcv ( 4" x 150 #),&lt;(&gt;&amp;&lt;)&gt;,nrv( 4"x 150#) and fixing back as per instruction.,13) Installation of packing &lt;(&gt;&amp;&lt;)&gt; boxup of all column segments with,new gasket &lt;(&gt;&amp;&lt;)&gt; torquing of bolts (torque 10 to 15 KGM),14) Making arrangement for blinding and leak test. List of blinds-,16"x150 #1no, 4 "x150# 3 nos, 3"x150 - 2nos, 2"x150# 2nos. Any other,line if required to be blinded shall be done by the vendor.,15) Any other miscellaneous jobs related to the above jobs, if required,by process,should be carried out by the vendor.,16) Attend leakage if any immediately. After leakage test, final box up,of column segments,,internals, dome and all connecting lines with new gaskets.,17) Torque tightening of column flanges.,18) Removal of scaffolding and chain pulley block from position.,19) Contractor shall arrange sufficient manpower, tools &lt;(&gt;&amp;&lt;)&gt; tackles,,welding consumables,,for execution of jobs on round the clock basis to ensure timely,completion.,20) Abnormality if any, observed during any stage of the job shall be,immediately,brought into the notice of DFPCl job coordinator.,21) All dismantled spares shall be properly stored, DFPCl shall not be,responsible,for any loss of components.,22) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,23) All portable electrical equipments to be certified by safety,department before taking in use,24) All lifting tools &lt;(&gt;&amp;&lt;)&gt; tackles used for carrying out job should,have valid certificates and,to be submitted before starting the job to the job-cordinator,25) Only certified welders shall carry out any welding jobs.,26) Chain block, slings &lt;(&gt;&amp;&lt;)&gt; all lifting equipments used by,contractors should be certified for,load testing and certificate should be produced before starting the,work.,27) Crane required for job is in vendor scope.,DFPCl scope of supply :-,1)Free Electric power, water and air.,*****SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,JOB CO-ORDINATION,CONTRACT SUPERVISOR SHOULD MEET IMMIDIATELY</p>	LE
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TO THE CONCERNED ENGINEER,AFTER RECEIVING THE PURCHASE ORDER/LOI.,MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS PER INSTRUCTION OF CONCERNED ENGINEER.,JOB SHOULD BE IMMEDIATELY STARTED AS PER INSTRUCTION OF CONCERNED ENGINEER.,AFTER COMPLETION OF THE JOB PROPER HOUSEKEEPING OF AREA TO BE DONE AND,SIGNATURE OF ENGINEER SHOULD BE TAKEN ON HOUSEKEEPING CERTIFICATE.,ONLY ONE INVOICE SHOULD BE IMMEDIATELY SUBMITTED TO THE CONCERNED ENGINEER AFTER COMPLETION OF JOB.,\*\*\*\*\*WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excluding MOBILIZATION,Contractor shall arrange for necessary materials, workmen and supervision to start the work within 48 hours of instruction from EIC.,In case of emergency or shutdown, contractor shall mobilize all required resources and start the work within 24 hours of instruction of EIC.,To <(>&<)> for transportation of the equipment shall be arranged by contractor. However mobile crane/tractor, EOT/ HOT facilities, if required for loading/unloading supply of slings and movement of the machine at site shall be provided by Company, free of charge. However, actual activities of loading/ unloading, internal shifting of machines, shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping at work site. The scrap debris, unwanted material etc. shall be removed frequently from the work place to avoid accident and work area shall be kept tidy. Gangways shall be kept clear of obstructions. Contractor shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for individual works from time to time as and when need arises, separate intimations shall be issued from individual plants/ EIC. Contractor shall ensure mobilization of all required resources and completion of the job including dismantling, etc. as per EIC instructions.,GATE PASSES,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicable) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card

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345	1005860	D2 111 BFW coil Dismantling	<p>SCOPE OF WORK, CONTRACTORS SCOPE OF WORK, 1. Prepare the plan for the dismantling and allignment of D2-0111 BFW, coils (NON IBR), 2. Refer the drawing no PF/MFC-24/F-203, 3. Cutting &lt;(&gt;&amp;&lt;)&gt; dismantling of side and top side platforms., 4. Dismantling of side conical peice 2652X1715mm., 5. Dismantling of damper 1635 X 1006 X 2nos, after repairing to, free operating conditions, 6. Dismantling of pre-heater by using crane. (2mtr X 2.5mtr X 3.5mtr ), 7. Any modification of damper connected piece as per rectified new, pre-heater., 8. Erection and assembly of damper 2nos., 9. matching of duct length for casing box 595 mm, 10. Fixing and alignment of guide Van pitch vertical and horizontal- 381, X 216, 11. Assembly of casing channel, 12. DHT, Pre-heating, Post -heating and radiography of the joints, 13. Hiring of crane &lt;(&gt;&amp;&lt;)&gt; hydra for the job., DSTL SCOPE OF SUPPLY-, 1) Drawings required for reference, 2) Provision of electricity, water, air and permit., SAFETY PRECAUTIONS, The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety, procedures as per the safety standards and comply with the safety, requirements., The contractor is required to deploy persons for specific jobs who are, trained and skilled in particular trade and well familiar with hazards, and safety precautions., The site staff and workers of the contractors are required to undergo, safety orientation before they are assigned work at site. No person, shall be allowed at work site without safety orientation., The contractor shall ensure that any time during the performance of the, work his personnel are fit to execute the tasks assigned and are not, under the influence of any alcoholic liquor, drug or other intoxicating, substances., The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s, WORKINGHOURS, Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin, MOBILIZATION, Contractor shall arrange for necessary materials, workmen and, supervision to start the work within 48 hours of instruction from EIC., Incase of emergency or shutdown, contractor shall mobilize all required, resources and start the work within 24 hours of instruction of EIC., To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by, contractor. However mobile crane/tractor, EOT/ HOT facilities, if, required for loading/unloading supply of slings and movement of the, machine at site shall be provided by Company, free of charge. However, actual activities of loading/ unloading, internal shifting of machines, shall have to be done by contractor's manpower., HOUSEKEEPING, It is the responsibility of the contractor to ensure good housekeeping, at work site. The scrap debris, unwanted material etc. shall be removed, frequently from the work place to avoid accident and work area shall be, kept tidy. Gangways shall be kept clear of obstructions. Contractor, shall deploy dedicated personnel for housekeeping., JOB COMPLETION TIME, The total contract duration is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions.</p>	LE
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346	1005861	CS WELDING with DG SET	SCOPE OF WORK,MIDC WATER PIPING JOB OUTSIDE DFPCL AREA.,1) CS ARC WELDING OF UNDERGROUND PIPING USING DG SET.,2)PROVISION OF DG SET ALONG WITH SUBMERSIBBLE PUMP TO REMOVE WATER FROM,UNDERGROUND EXCAVATION,3) PROVISION OF ELECTRIC LIGHT INORDER TO DO JOB IN NIGHT,CONTRACTORS SCOPE OF WORK,1) ARRANGMENT OF WELDING MACHINE AND DG SET INORDER TO DO JOB WITHIN 24,HR OF WATER SHUT DOWN,2) ARRANGMENT OF SUBMERSIBLE PUMP ALONG WITH OPERATER INORDER TO REMOVE,WATER FROM EXCAVATED AREA,3)PROVISION OF ELECTRIC LIGHT TO DO THE JOB AT NIGHT .,4)ALL ELEFRICATION RELATED TO JOB .,DSTL SCOPE OF WORK,1) MIDC JOB PERMISSION,2) PERMIT,3) COORDINATION WITH MIDC FOR LINE ISOLATION	IND
347	1005864	UNLOADING & SHIFTING WITH HYDRA & TRAILR	UNLOADING <(>&<)> SHIFTING OF PIPES FOR MIDC WATER PIPING ERECTION FROM,DFPCL STOE TO OUTSIDE DFPCL COMPANY.,SCOPE OF WORK:,1) UNLOADING OF MATERIAL IN STORES BY HYDRA,2) LOADING OF MATERIAL ON TRAILER AND SHIFTING IT TO WORK SITE BY,TRAILER,3)UNLOADING THE LOADED TRAILER AT WORK SITE USING HYRA,CONTRACTORS SCOPE OF WORK,1)ARRAGING COMPETENT MANPOWER ALONG WITH PPE, TOOLS <(>&<)> TACKLES,,HYDRA FOR LOADING <(>&<)> UNLOADING OF PIPING MATERIAL.,2) ARRANGEMENT OF TRAILER FO FOR SHIFTING MATERIAL TO WORK SITE.,DSTL SCOPE OF WORK,1) MIDC JOB PERMISSION,2) PERMIT	KG

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348	1005875	H481 CONVEYOR INSTALL TO BYPASS D404	<p>INSTALLATION OF NEW CONVEYOR-H481 TO BYPASS LDAN COATING DRUM D404,CONTRACTOR'S SCOPE OF SUPPLY :  1.FABRICATION &lt;(&gt;&amp;&lt;)&gt; INSTALLATION OF CHUTE (8MTR. APPROX.) WITH THE,HELP,10" PIPE &lt;(&gt;&amp;&lt;)&gt; SS PLATE AS PER INSTRUCTION OF DFPCL ENGINEER,2.TO PROVIDE PROPER STRUCTURAL SUPPORT (1 MT APPROX.) FOR,INSTALLATION OF BELT CONVEYOR,3.INSTALLATION OF BELT CONVEYOR (650 x 11 MTR APPROX) AS PER DFPCL,ENGINEER, WHICH INCLUDES,,i) ERECTION &lt;(&gt;&amp;&lt;)&gt; INSTALLATION OF HEAD PULLEY, TAIL PULLEY,,RETURN ROLLERS( 5NOS), CARRYING ROLLERS (21NOS.),ii)ERECTION &lt;(&gt;&amp;&lt;)&gt; INSTALLATION OF DISCHARGE HOPPER (800X600 MM,APPROX.),iii)LAYING &lt;(&gt;&amp;&lt;)&gt; INSTALLATION OF BELT (650 x 22MTR APPROX.),iv)LIFTING/SHIFTING &lt;(&gt;&amp;&lt;)&gt; INSTALLATION OF BASEFRAME, MOTOR,,GEARBOX (200KG APPROX.) AS PER INSTRUCTION OF DFPCL ENGINEER,4. REMOVAL &lt;(&gt;&amp;&lt;)&gt; BOXUP OF OTHER ASSOCIATED PARTS/MATERIAL,AS PER INSTRUCTION OF DFPCL ENGINEER,5.CUTTING, FABRICATION ETC. ASSOCIATED WITH THIS ACTIVITIES IF REQD,6.SHIFTING OF ALL REQUIRED MATERIAL FROM STORE TO SITE &lt;(&gt;&amp;&lt;)&gt; KEEP,IN SYSTEMATIC MANNER FOR USE AS PER DFPCL ENGINEER INSTRUCTION,7.SUPPLY OF COMPETENT MANPOWER &lt;(&gt;&amp;&lt;)&gt; SKILLED RIGGERS/SUPERVISOR ETC TO,EXECUTE THE JOB SAFELY,8.ALL THE TOOLS/TACKLES, CONSUMABLES ETC REQD TO CARRY OUT THE JOB ,,9.ALL LIFTING TOOLS TACKLES VIZ. CHAIN BLOCK, BELT, SLING ETC.,9.TO ENSURE COMPLETION OF JOB WITHIN GIVEN,TIMEFRAME AS PER DFPCL ENGINEER.,10.ANY OTHER ITEMS/SERVICES REQUIRED FOR COMPLETION OF JOB.,11.TO SAFEGUARD THE WHOLE ACTIVITY,12.PPE FOR WORKMEN &lt;(&gt;&amp;&lt;)&gt; STAFF,13.ALL PERSONS SHALL WORK UNDER FULL SAFETY AND PRECAUTIONS BY,USING SAFETY HELMETS, SAFETY BELT, SAFETY SHOES, HAND GLOVES,GOGGLE,ETC. AS REQUIRED AND SHOULD FOLLOW OTHER DFPCL'S SAFETY REGULATIONS.,OTHERS:-,1.IN CASE OF FABRICATION &lt;(&gt;&amp;&lt;)&gt; PIPING JOBS, DYE PENETRANT TEST FOR,EACH,JOINT IS COMPULSORY &lt;(&gt;&amp;&lt;)&gt; SHOULD BE CERTIFIED BY DFPCL ENGINEER,2.DP TEST MATERIALS AND PAINTING MATERIAL REQUIRED FOR ABOVE JOBS,ARE IN SCOPE OF VENDOR/CONTRACTOR (INCLUDING CLOTH/COTTON RAGS),JOB CO-ORDINATION:- ,1.CONTRACT SUPERVISOR SHOULD MEET IMMIDIATELY TO THE DFPCL,ENGINEER AFTER RECIEVING THE PURCHASE ORDER/LOI,2.MANPOWER AND MATERIAL SHOULD BE IMMIDIATELY MOBILISED AS,PER INSTRUCTION OF DFPCL ENGINEER.,3.JOB SHOULD BE IMMIDIATELY STARTED AS PER INSTRUCTION OF,DFPCL ENGINEER.,4.AFTER COMPLETION OF THE JOB PROPER HOUSEKEEPING OF AREA TO BE DONE,&lt;(&gt;&amp;&lt;)&gt; SIGNATURE OF ENGINEER SHOULD BE TAKEN ON HOUSEKEEPING,CERTIFICATE.,DFPCL SCOPE OF SUPPLY:-,1.SCAFFOLDING REQUIRED TO CARRY OUT THE ACTIVITY,2.ELECTRICITY, WATER &lt;(&gt;&amp;&lt;)&gt; OTHER UTILITIES,3.ALL REQUIRED MATERIAL VIZ. ROLLERS, PLATE, PIPE ETC. TO CARRY OUT THE,JOB,4.HYDRA, CRANE, FORKLIFT ETC FOR TRANSPORTATION OF MATERIAL,5.ALL REQUIRED PERMITS TO CARRY OUT THE JOB,TIME SCHEDULE:- ,1.JOB IS TO BE STARTED IN CONSULTATION WITH OUR JOB,CO-ORDINATOR(DFPCL ENGINEER) DURING SHUT-DOWN.,HOUSEKEEPING:-,1.ALL SCRAP MATERIAL SHOULD BE SHIFTED TO SCRAP YARD,IMMIDIATELY AFTER COMPLETION OF JOB,2.ALL AREA NEAR THE JOB CARRIED OUT SHOULD BE CLEAN,3.VENDOR WILL ENSURE THAT PASSAGES ARE NEVER BLOCKED DUE TO,CONGESTION OF METARIAL,4.IF ANY OF ABOVE SAFETY OR HOUSEKEEPING POINT IS NOT FOLLOWED,,OR IT IS POINTED OUT, STRICT PENALTY WILL BE LEVIED UPON THE VENDOR,TERMS &lt;(&gt;&amp;&lt;)&gt; CONDITIONS:-,1.PAID HOLIDAY/WEEKLY OFF WILL BE CONSIDERED AS A NORMAL WORKING DAYS.,2.GIVEN QUANTITIES ARE APPROXIMATE HOWEVER CONTRACTOR WILL, BE PAID AS PER ACTUAL QUANTITY CERTIFIED BY ENGG. INCHARGE</p>	EA
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349	1005952	H302 HOPPER ALIGNMENT	<p>CONTRACTOR'S SCOPE OF SUPPLY ;,1.PRELIMINARY INSPECTION OF HOPPER (H302),2.ALIGNMENT OF HOPPER BY LIFTING OF HOOD (HOPPER SIZE,17.4MX0.625MX2.5M)APPROX WEIGHT OF 6TON,3.POSITIONING OF HOPPER &lt;(&gt;&amp;&lt;)&gt; CUTTING OF OLD BOLTS BY GAS CUTTING OR,GRINDING (BOLT SIZE M12X40),4.REPLACEMENT OF OLD BOLTS WITH NEW ONE (QTY 450) APPROX,5.AT THE BOTTOM OF HOPPER, CHUT CUTTING &lt;(&gt;&amp;&lt;)&gt; WELDING JOB (SIZE,17.4MX0.0025M),6.H302 GUIDE ROLLER REMOVAL &lt;(&gt;&amp;&lt;)&gt; BOXUP JOB (GUIDE ROLLER OF QTY 60),7.JOB TO BE CARRIED OUT AT HEIGHT NEAR ABOUT 3M,8.ANY CUTTING, WELDING REQUIRED FOR JOB EXICUTION WILL BE CONTRACTOR,SCOPE8,9.ALL TOOLS AND TACKLES REQUIRED FOR JOB EXICUTION SHOULD HAVE TEST,CERIFICATES,10.USE PPES DURING WORK,11.JOBS TO BE DONE AS PER SAFETY RULES AND REGULATION OF DFPCL AND ALL,SAFETY APPLIANCES TO BE USED TO CARRY OUT THE JOB,12.TO ENSURE COMPLETION OF JOB WITHIN GIVEN,TIMEFRAME AS PER DFPCL ENGINEER.,13.COMPLY WITH ALL STANDARDS OTHERWISE APPROPRIATE DEDUCTIONS,WILL BE MADE FROM FINAL BILL,JOB CO-ORDINATION:-,1.CONTRACT SUPERVISOR SHOULD MEET IMMEDIATELY TO THE CONCERNED,ENGINEER AFTER RECIEVING THE PURCHASE ORDER/LOI,2.MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS,PER INSTRUCTION OF CONCERNED ENGINEER.,3.JOB SHOULD BE IMMEDIATELY STARTED AS PER INSTRUCTION OF,CONCERNED ENGINEER.,DFPCL SCOPE OF SUPPLY:-,1.JOB PERMIT, ELECTRICITY, AIR, WATER ETC,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the</p>	EA
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**The participating company's declaration:**

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job including dismantling, etc. as per EIC instructions.

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350	1005961	Elevator Head sprkt segment replacement	<p>Elevator Head sprocket segment replacement / reversal of,H-7409/H-7106/H-7506,NPK Plant,Vendor's Scope of Work:;1. Preparation and shifting of chain pulley block prior to stoppage of,elevator,2. Opening of head pulley cover/casing.,3. Arrangement for chain holding and Removal of both side chains.,4. Opening of chain link and bucket at bottom end for chain removal.,5. Lifting of chains and keeping in such a way that head pulley segment,bolts can opened up.,6.Numbering /marking of on both end segment (3 segment on each side of,pulley),7. Dismantling of head pulley segment bolts and removal of one segment,at a time and fixing it on other side by flipping it by 180 deg. (the,worn out face to be reversed to unused face of segment).this activity,has to be done in sequential manner for remaining two segments.,OR New segment has to be fixed in place.,8.Tightening of Segment.,9.Re-fixing of both side chains.,10. Box up hood covers.,11. Cleaning of area.,12. Handing over permit and balance material.,13. This job is critical and hence work supervision is must for job.,14. All necessary cutting, welding, material shifting work is in,vendor's scope.,15. All tools and tackles are in vendor scope,16. Skilled Manpower with competent supervisor should be provided.,17. PPE and consumables for fabrication will be in vendor scope.,18. All necessary fixtures and modifications will be taken care by,Vendor.,DSTL scope:;1) Necessary work permits will be provided.,2) Electrical power, air &lt;(&gt;&amp;&lt;)&gt; water will be free of cost.,3) Spares &lt;(&gt;&amp;&lt;)&gt; Fasteners will be provided.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKING HOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual</p>	LE
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351	1005974	IPA CT header Top 20" section Replace	<p>SCOPE OF WORK,This PR has raised for activity related to replacement of IPA Cooling,Tower one Cell return,Header piping . The job to be completed in shutdown within 2 days only.,Refer attached drawing:05-2I-0017/G/01-Rev2 for better understanding and,planning the activity without any Hazard.,Contractor has to arrange for following activity.,1)Inspect site &lt;(&gt;&amp;&lt;)&gt; prepare detail plan for replacement of,Header.(size:20"),2)Prepare Plan for replacement activity along with resources(crane,,scaffolding),.3)Submit same to DFPCL engineer.,Pre-shutdown activity,i)Before Shutdown Contractor has to co-ordinate with,M/s Paharpur person for required approach activity,for Header removal.,ii)Contractor has to clearly communicate scaffolding vendor,for requirement of scaffolding.,iii)Before shutdown fabricate Header,&lt;(&gt;&amp;&lt;)&gt; keep it ready with DFPCL supplied pipes &lt;(&gt;&amp;&lt;)&gt; Flanges.,iv)Contractor has to clearly communicate,requirement of crane capacity &lt;(&gt;&amp;&lt;)&gt; tentative no. of,shift along with quotation.,During Shutdown,i) IPA CT header removal by dismantling &lt;(&gt;&amp;&lt;)&gt; opening of,flanges.,ii)Contractor has to clearly communicate scaffolding vendor,iii)Before shutdown fabricate Header,iv) Contractor has to prepare SOP for related activity,v) Firstly contractor will inspect the given site carefully.,vi)Contractor will remove Deck valve.,vii) Contractor will have to prepare area preparation for,total header removal activity.,viii) CT area bolt need to be remove without,Hot work permit.Contractor have to made necessary arrangement,ix)Contractor need to use hecksaw frame for nut &lt;(&gt;&amp;&lt;)&gt; bolt cutting.,x)All lifting tools(sling,Deshackle,belt) will be in,contractor scope.,xi)contractor will take out old header piece from top of,cooling tower to bottom safely.,xii) Contractor will fabricated to new header pipe as per size,and length at their workshop.(size:20"x16mt length(approx),Header consist of three spool piece.,xiii) contractor will arrange new header pipe at site location.,xiv)) Newly fabricated header installation and deck valve,fixing.,xv))Contractor has to send their Oprator,supervisor and,required manpower at site.,DFPCL SCOPE OF WORK,1)DFPCL will arrange for necessary permit.,2)Electricity &lt;(&gt;&amp;&lt;)&gt; Water,3) Crane &lt;(&gt;&amp;&lt;)&gt; hydra will be in DFPCL scope.,4) Scaffolding will be in DFPCL scop.,SAFETY PRECAUTIONS,i)The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii)Total job (rigging &lt;(&gt;&amp;&lt;)&gt; repalcement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii)The contractor is required to deploy persons for specific jobs who,are trained and skilled in activity and well familiar with hazards and,safety precautions.,iv)The supervisor/staff of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,v)Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKING HOURS,Contractor have to plan 24x7 basis for execution of job. However based on the job requirement during the planned /un,MOBILIZATION,Contractor shall arrange for necessary Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 1day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good,housekeeping at work site during work &lt;(&gt;&amp;&lt;)&gt; after</p>	EA
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work.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization and completion of the job including,dismantling, etc. as per EIC instructions.

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352	1006004	H7117/7517 coveyor head pulley replacemt	<p>Head pulley replacement for Recylce conveyor Tag no. H7117/7517,Size 600 MM Dia x 1800 MM Width , location NPK plant, Vendor's Scope of Work:,scope of work:,1.Release belt tension and Opening of side covers at head end.,2.Dismatling of drive end drive coupling gurad and coupling.,3.Dismatling of non drive end chain and sprocket for roll brush.,4.Fixing of chain puley block for head pulley removal.,5.Remvoal of Head end pulley and shift to repair area within NPK plant,6.Shifting of head pulley to from deisgnated area t o recylce conveyor,at NPK plant.,7. Place pulley on same position with bearings.,8. Box up drive end coupling , non drive end chain and fix guards.,9. Fix side covers.,10. Normalise belt tension tension.,11. trial run and belt sway adjustment of belt conveyor.,13.Skilled Manpower with competent supervisor should be provided.,DSTL scope:,1) Necessary work permits will be provided.,2) Electrical power, air &lt;(&gt;&amp;&lt;) water will be free of cost.,3) Spares &lt;(&gt;&amp;&lt;) Fasteners will be provided.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;) regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKING HOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual</p>	EA
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353	1006073	FAB & EREC SCH10 CS PIPING WITH TIG WELD	<p>SCOPE OF WORK,FABRICATION &lt;(&gt;&amp;&lt;)&gt; ERECTION OF SCH10 CS PIPE LINE WITH TIG WELDING UPTO,10 MTR,HEIGHT BY HYDRA &lt;(&gt;&amp;&lt;)&gt; CRANE,CONTRACTORS SCOPE OF WORK,1)ERECTION OF PIPE UPTO 10 MTR HEIGHT BY HYDRA &lt;(&gt;&amp;&lt;)&gt; CRANE,2) FABRICATION OF 10SCH CS PIPE LINE BY CS TIG WELDING BOTH ON GROUND,AS WELL AS ON PIPE RACK.,DSTL SCOPE OF WORK,1)DFPCL WILL PROVIDE LAYOUT &lt;(&gt;&amp;&lt;)&gt; DRAWING,2) DFPCL WILL PROVIDE PIPING &lt;(&gt;&amp;&lt;)&gt; FITTING MATERIAL FOR ERECTION,&lt;(&gt;&amp;&lt;)&gt; FABRICATION,3)WILL PROVIDE WORK SPACE FOR PREFABRICATION,4)WILL PROVIDE WORK PERMIT,5) WILL PROVIDE CIVIL SUPPORTS AND STRUCTURAL SUPPORT REQUIRED.,6)WILL PROVIDE ELECTRICITY,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	INM
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354	1006074	FAB & EREC SCH40 CS PIPING WITH ARC WELD	<p>SCOPE OF WORK,FABRICATION &lt;(&gt;&amp;&lt;)&gt; ERECTION OF SCH40 CS PIPE LINE WITH ARC WELDING, FROM 0-6 MTR, HEIGHT BY HYDRA, CONTRACTORS SCOPE OF WORK, 1) ERECTION OF PIPE FROM 0- 6 MTR HEIGHT BY HYDRA, 2) FABRICATION OF 40SCH CS PIPE LINE BY CS ARC WELDING BOTH ON GROUND, AS WELL, AS ON PIPE RACK, DSTL SCOPE OF WORK, 1) DFPCL WILL PROVIDE LAYOUT &lt;(&gt;&amp;&lt;)&gt; DRAWING, 2) DFPCL WILL PROVIDE PIPING &lt;(&gt;&amp;&lt;)&gt; FITTING MATERIAL FOR ERECTION, &lt;(&gt;&amp;&lt;)&gt; FABRICATION, 3) WILL PROVIDE WORK SPACE FOR PREFABRICATION, 4) WILL PROVIDE WORK PERMIT, 5) WILL PROVIDE CIVIL SUPPORTS AND STRUCTURAL SUPPORT REQUIRED., 6) WILL PROVIDE ELECTRICITY, SAFETY PRECAUTIONS, The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety, procedures as per the safety standards and comply with the safety, requirements., The contractor is required to deploy persons for specific jobs who are, trained and skilled in particular trade and well familiar with hazards, and safety precautions., The site staff and workers of the contractors are required to undergo, safety orientation before they are assigned work at site. No person, shall be allowed at work site without safety orientation., The contractor shall ensure that any time during the performance of the, work his personnel are fit to execute the tasks assigned and are not, under the influence of any alcoholic liquor, drug or other intoxicating, substances., The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s, WORKINGHOURS, Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excluding, MOBILIZATION, Contractor shall arrange for necessary materials, workmen and, supervision to start the work within 48 hours of instruction from EIC., In case of emergency or shutdown, contractor shall mobilize all required, resources and start the work within 24 hours of instruction of EIC., To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by, contractor. However mobile crane/tractor, EOT/ HOT facilities, if, required for loading/unloading supply of slings and movement of the, machine at site shall be provided by Company, free of charge. However, actual activities of loading/ unloading, internal shifting of machines, shall have to be done by contractor's manpower., HOUSEKEEPING, It is the responsibility of the contractor to ensure good housekeeping, at work site. The scrap debris, unwanted material etc. shall be removed, frequently from the work place to avoid accident and work area shall be, kept tidy. Gangways shall be kept clear of obstructions. Contractor, shall deploy dedicated personnel for housekeeping., JOB COMPLETION TIME, The total contract duration is as specified in the contract. However for, individual works from time to time as and when need arises, separate, intimations shall be issued from individual plants/ EIC. Contractor, shall ensure mobilization of all required resources and completion of, the job including dismantling, etc. as per EIC instructions.</p>	INM
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355	1006075	Remove & installation of WNA1/2 Expander	<p>SCOPE OF WORK,Removal &lt;(&gt;&amp;&lt;)&gt; installation of WNA 1/2 expander during plant shutdown,SCOPE OF WORK,2) LOCKING OF EXPANSION BELLOW SIZE 18'AT 03PLACES.(JOB INVOLVES TIG,WELDING).,3) OPENING OF CASING GUARD.,4) OPENING OF EXPANDER INLET AND OUTLET FLANGES, 18" AND 14".,5) OPENING OF CONNECTING PIPING OF EXPANDER AND,BELLOW OF VARIOUS SIZES LIKE-4",3",2".,6) REMOVAL OF EXPANDER INLET PIPE (Size:18"x 4 mtr long),7) LIFTING OF EXPANDER WITH THE HELP OF EOT CRANE,AND FIXING IT ON A,STAND,8) LOADING IN TRUCK (Weight: 4 ton),9) HEATING OF BOLTS IF REQUIRED DURING REMOVAL OF EXPANDER.,10) UNLOADING FROM TRUCK AND INSTALLATION OF EXPANDER AND RELATED PIPING.,11) BOXING UP OF EXPANDER INLET/OUTLET FLANGES,12) BOX UP OF INLET PIPE,13) UNLOCKING OF BELLOW,14) FIXING OF CASING GUARD.,15) ADDITIONAL MANPOWER FOR ALIGNMENT OF EXPANDER TO,FIRST BODY OF COMPRESSOR IS IN THE SCOPE OF CONTRACTOR.,CONTRACTORS SCOPE OF WORK:-,1) HYDRA, CRANE, FORKLIFT IF REQUIRED WILL BE IN THE SCOPE OF CONTRACTOR,2) COMPETENT MANPOWER FOR CARRYING OUT THE JOB.,3) NECESSARY TOOLS AND TACKLES FOR CARRYING OUT THE JOB.,1) Contractor to maintain its supervisor at site,for the job when ever their activity is in progress.,2) The supervisor shall coordinate with DSTL engineer,for job details and further problems associated with jobs,4) All lifting tools &lt;(&gt;&amp;&lt;)&gt; tackles shall be arranged by contractor.,5) lifting and lowering done by HOT.,TIME PERIOD :Job to be carried on round the clock basis,till the job is completed and certified by DFPC.,SAFETY :All persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions,using safety helmets, safety belts,&lt;(&gt;,&lt;)&gt;safety shoes,,handgloves, goggles etc. as required.,HOUSEKEEPING :Contractor shall do housekeeping and shall remove all unwanted materials,from the work site,immediately after completion of work.,Housekeeping shall also be done in between the work to keep the work,DSTL SCOPE OF WORK,1) Provision of scaffolding,electricity,water, air and permit.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises,</p>	EA
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356	1006087	X451 EXPANSION BELLOW REPLACEMENT SZ:24"	<p>X451 EXPANSION BELLOW REPLACEMENT,CONTRACTOR'S SCOPE OF SUPPLY :,1. PRIMARY INSPECTION OF BELLOW ON SITE,2. LOCKING OF BELLOW BY WELDING TIE ROD,3. OPENING OF BELLOW FLANGE 24" X 150#,4. CUTTING OF EXISTING SS304L BELLOW (5.54 MM) APPROX 24" DIA,5. CUTTING OF NEW SS304L BELLOW (5.54 MM) ACCORDING TO SAID MEASUREME,6. FIT-UP OF NEW BELLOW &lt;(&gt;&amp;&lt;)&gt; ALIGNMENT TO BE DONE.,7. ARGON WELDING (24" DIA) OF NEW SS 304L BELLOW (5.54MM THK ),AND 46" DIA WELDING FOR MITRE BY USING ER347 FILLER ROD.,8. BOX-UP AND TIGHTENING OF 24" BELLOW FLANGE.,9. MACHINING AND WELDING OF STUB-END FLANGE IF REQUIRED.,10. UNLOCKING OF NEW BELLOW AFTER WELDING,11. DP TEST OF WELDING JOINT.,12. HYDRO TEST WILL BE CARRIED OUT 1.5 TIMES THE DESIGN PRESSURE,13. SHIFTING OF OLD CUTTED BELOW TO SCRAPYARD AREA.,14. CUTTING OF NEW GSKT FROM GSKT SHEET (IF NOT AVAILABLE),JOB CO-ORDINATION:- ,1.CONTRACT SUPERVISOR SHOULD MEET IMMEDIATELY TO THE CONCERNED,ENGINEER AFTER RECIEVING THE PURCHASE ORDER/LOI,2.MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS,PER INSTRUCTION OF CONCERNED ENGINEER.,3.JOB SHOULD BE IMMEDIATELY STARTED AS PER INSTRUCTION OF,CONCERNED ENGINEER.,DFPCL SCOPE OF SUPPLY:-,1.JOB PERMIT, ELECTRICITY, AIR, WATER ETC,SAFETY PRECAUTIONS,i)The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii)Total job should be carried out under 24x7 skilled,Engineer/Supervisor.,iii)The contractor is required to deploy persons for specific jobs who,are trained and skilled in activty and well familiar with hazards and,safety precautions.,iv)Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKING HOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 1day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good,housekeeping at work site during work &lt;(&gt;&amp;&lt;)&gt; after work.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization and completion of the job including,dismantling, etc. as per EIC instructions.</p>	EA
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357	1006107	WNA-1 EGH removal & reinstallation	<p>E-205 Expander Gas Heater Replacement job in WNA-1 PLANT, Vendor scope: Empty Weight of equipment: 8 ton, 1) Vendor to depute their competent manpower with all safety PPE and tools and tackles for removal of expander gas heater and reinstallation, job., 2. Open convertor cone to EGH flange connection. size OD 1536 mm x bolt, PCD 1492.3 mm x 80 nos 23.8mm holes., EXPANDER GASHEATER - WASTEHEAT BOILER body flange opening., Size: OD of flange 1343x bolt PCD 1301.8x 68 nos 3/4" bolts., 3. Spring support measurement to be taken and nut loosening. remove old, spring supports 4 nos, wt approx 200-300 kg each and install new Spring, hangers at site by welding clamp to beam. wherever scaffolding required, for flange connection opening/box up job, spring hanger removal same to be arranged by vendor., 4. Tail gas inlet flange 16"x300#, tail gas outlet 18"x300# and t.g vent, valve/spool piece 10"x300# deflanging. supports/grating cutting., 5. Instrument actuated ON/OFF valve removal from Tail gas outlet, 18"x300# and TG vent valve 10"x300# for expander removal. Support for, these valves to be removed. lock the bellow and unlock it after, reinstallation at site., 6. Lifting of the expander gas heater with main mechanical hoist 20MT, capacity and lower down to ground floor. shifting it to designated place, by using hydra and crane., Remove EGH incolloy 800 cone above boiler refractory and shift to, designated place., 7. Cleaning of the gasket face and stud/ nut. Also greasing of all studs., 8. As per EIC guidelines shift the EGH to plant area by hydra and lift, with the help of crane and Mechanical crane inside the plant., 9. Install the incolloy 800 cone approx 1060mm ID x 1143mm OD mating with, boiler insulation. install the EGH on Boiler flange. set the spring, hanger properly as per EIC guidelines. ensure perfect installation of, insulation cone inside EGH for that it may required to lift the EGH 1 or, 2 times above boiler. If any alteration required in insulation cone for, perfect match to be performed by vendor. Align the EGH flange with, boiler flange. insert the new gaskets and tight the boiler connecting, flange studs., 10. Install the inst ON/OFF valves (18" and 10") at site. box up the, interconnecting flange connections by providing new gaskets., 11. Hot tightening of flange connection during start up of, plant as per EIC guidelines., 12. After job completion housekeeping to be carried out., 13. Tools &amp; Tackles used should be tested and certified by third, party., 14. supervisor must be available at site., 15. manpower, hydra, crane, tools &amp; tackles, scaffolding are in, vendors scope., STL scope: 1. Permit, air, electricity, water., SAFETY PRECAUTIONS, The contractor shall follow safety rules &amp; regulations, safety, procedures as per the safety standards and comply with the safety, requirements., The site staff and workers of the contractors are required to undergo, safety orientation before they are assigned work at site. No person, shall be allowed at work site without safety orientation., The contractor shall ensure that any time during the performance of the, work his personnel are fit to execute the tasks assigned and are not, under the influence of any alcoholic liquor, drug or other intoxicating, substances., The contractor shall provide personal protective equipment as specified, to its staff and workmen such as, safety helmets, safety shoes, Leather, apron, safety goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum boots etc. and other work equipment as required for safe, execution of work at his cost. Special PPEs/ safety appliances, if, required for any job as mentioned below job may be provided by the, company, on chargeable / returnable basis (cost of repair or damage as a result, of mishandling will be charged from the contractor)., WORKING HOURS, Normal working time shall be same as the general shift timing of the, respective sites. This will be 8 working hours excluding lunch time., However based on the job requirement during the planned /unplanned, shutdown/ emergencies or as per plant requirement and instructions of, EIC, contractor shall</p>	LE
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work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.

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358	1006108	Removal & installation WNA-1 blr E-206	<p>WNA-1 Boiler replacement job.,Vendor scope;1. Vendor to depute supevisor, competent manpower along with all safety,PPE, tools and tackles at site for replacement of old boiler by new.,Wt of old boiler - Apprx 11.5 Ton,Wt of new Boiler - Apporx 12.5 Ton,2.Vndor to open EGH out and boiler gas inlet flange connection.,SIZE:OD 1372 mm x 1302mm bolt PCD.,3. Open superheater inlet gas and boiler outlet flange connection.,Size: OD 1219.2 mmx 1178mm bolt PCD.,4.After removal of EGH and superheater. make necessary arrangement for,lifting the old boiler by using mechanical crane HOT 20T inside the,plant.,5. Cut the Riser assembly size 8" and 6" sch 40 A106 Gr B pipe by using,cutting torch at all 4 nozzle connection and connection pieces with 8",header of 2 riser pipes. Shift the cut pipes to designated area as per,EIC guidelines.,Cut the down commers 6" nozzle connection and piping spools . open start,up steam 11/2"x600# and IBD 1"x600# flange connection and remove its,piping sppols by cutting.,6. remove boiler bracket support plate by cutting if required. remove,the fastners by cutting if any.,7. old boiler top flange and bottom flange connection levels to be,transmitted on near by column for perfect fitment of new boiler at,site.Lift the boiler with mechanical HOT above converter floor then,shift it to ground floor by using crane or hydra.,8.Shift the old boiler to designated area by using hydra.,9.Shift the new boiler to plant area. open its inlet gas and outlet gas,connection cover flange. shift the wooden temporary saddle supports to,designated location.,10. Cut its riser 6" x 6 nos dummi cover and down comers 6"x2 nos dummi,cover by using grinder and cutting set. open start up steam 2"x600#, IBD,1"x600#, bypass line 21/2" flange connection for cleaning purpose and,again boxup.,11.provide the assistance for cleaning of boiler tubes and shell side,nozzle by Air cardbord blasting.,12.Lift the boiler by using crane and HOT inside the plant. prior to,installation of new boiler at eleveation 7.314 mtr , civil structural,support location and plate levels to be checked. for proper alignment of,bracket support on plate. if corrections needed , same to be get it,corrected by providing inputs to civil contractors.,13.install the boiler brackets on required location foundation plate.,align it properly by using , master level and water level tube etc.,bracket guide plate to be welded on foundation plate as per drawing.,levels to be checked at boiler top flange and bottom flange connection,to be checked. reading to be noted down.,13.House keeping to be done at site after installation of new boiler.,14. Supervisor, compemtent manpower, scaffolding, hydra and crane in,vendors scope.,STL scope:,1.permit, air, water, electricity.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes,Leather,apron, safety goggles, ear plugs, hand gloves, safety harness / belts,,overalls, gum boots etc. and other work equipment as required for safe,execution of work at his cost. Special PPEs/ safety appliances, if,required for any job as mentioned below job may be provided by the,company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/</p>	EA
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359	1006109	Unloading & shifting Equipment	<p>Vendors scope;1. Vendor to depute supervisor, competent manpower, tools &lt;(&gt;&amp;&lt;)&gt;,Tackles to unload the equipment, vessel at site.,2. Remove/ open nylon belts fastned to equipement by transporter,,3. cutting of any support or loose support with equipment structural,support/ frame.,removal of wooden supoorts and shifting to scrap yard.,4. Use the tested tools &lt;(&gt;&amp;&lt;)&gt; tackles and lift the equipment with the,help of crane from trailer/truck inside plant area.,5.Shift the equipement to designated area by using Hydra without any,damage to equipments.,6.hydra and cranes are in vendors scope.,7. After job completion housekeeping to be done.,STL scope:,permit, air, electricity, water.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes,Leather,apron, safety goggles, ear plugs, hand gloves, safety harness / belts,,overalls, gum boots etc. and other work equipment as required for safe,execution of work at his cost. Special PPEs/ safety appliances, if,required for any job as mentioned below job may be provided by the,company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	MT
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360	1006110	Removal of CS/SS piping above 10 mtr ht	<p>Scope of work consist of removal of CS/SS upto sch 40 piping above 10mtr,height by using cutting set,grinding machine, opening of flange joints,,removal of valves, instrument etc. All safety PPEs should be available,with contract workers &lt;(&gt;&amp;&lt;)&gt; safety precautions to be taken .,Piping to be removed by using proper scaffolding.,Shifting the scrap material to designated area by using hydra as per,Engr.Incharge guideline. Do the housekeeping in plant area.,After job completion house keeping to be done.,Vendors scope:,1.To supply all competant manpower with all safety PPEs,2.Safety checks of welding machines, grinding machines, cutting sets DA,cylinders to be executed to avoid fire hazards.,3.All tools tackles, fabrication consumables etc to be supplied by,vendor,4.Execute the job with work safety and guidelines.,5.Scaffolding, Hydra are in vendors scope.,DFPCL/STL scope:,1.Job permit, electricity, water, air will be provided,2.Insulation removal,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes,Leather,apron, safety goggles, ear plugs, hand gloves, safety harness / belts,,overalls, gum boots etc. and other work equipment as required for safe,execution of work at his cost. Special PPEs/ safety appliances, if,required for any job as mentioned below job may be provided by the,company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	INM
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361	1006195	Erection & alignment of Recip compressor	<p>Vendor scope:,1. Unboxing of compressor package boxes consist of compressor on skid,,lube oil console, knockout drum, loose piping spool for knockout drum,and compressor 1st stage connections,loose tubing for lube oil console,,level gauges, gaskets, valves and other spares, Main 90KW motor, motor,baseframe etc.,2.Arranging competent manpower with all safety PPES for erection &lt;(&gt;&amp;&lt;)&gt;,alignment of complete,compressor package under the supervision of compressor manufacturer,engineer. Compressor package comprises of compressor on skid, knockout,drum, motor with base frame, lube oil console and its loose pipings,&lt;(&gt;&amp;&lt;)&gt; tubing connections with compressor. assisting for installation,of pulley on motor shaft along with maintenance staff.,3.Necessary tools &lt;(&gt;&amp;&lt;)&gt; tackles, lifting belts/slings. D-saddles to be,arranged by vendor with proper statutory certificate.,4. Survey the area &lt;(&gt;&amp;&lt;)&gt; Arranging the crane according the lifting,capacity, radius and boom length of crane at site. crane should have 1.5,times the lifting capacity of weight to be lift at particular radius and,boom length. Its statutory certificate to be produce at site.,5.Erection of compressor on foundation by using crane and competent,manpower.,6.Align the compressor on civil foundation by providing the shims plate,as per foundation and GA drawings provided by Engineer incharge. Tighten,the foundation bolts.,7.Shims plates required to be arranged by vendor.,8.scaffolding,Hydra, cranes required to execute this jobs are in vendors,scope.,9. Any damage to machine. high amount of panelty will imposed on vendor.,10.After completion of jobs wooded boxes to be shifted to scrap yard and,housekeeping to be done at site.,Wt.of compressor package :,Compressor skid - 17000 Kg.,Lube oil console - 2000 Kg.,Motor baseframe - 1000kg.,Suction Knock out drum - 1000Kg.,Motor - 750 Kg,Misc. Loose supply piping spool,spares, valves, level gauges, tubing etc,- 500 Kg,DFPCL scope:,1.Arranging necessary permits.,2.Providng erection weight, GA and foundation drawings</p>	MT
362	1006197	Air blasting of piping	<p>Vendor scope:,1.Vendor to fabricate the air tight square jig to install carbord at,one end of piping and fab spool/nipple arrangement at other end to clamp,air supply hose for cleaning the internal piping by air blasting at,around 5-7 kg/cm2g air pressure.,2. Vendor to arrange and install no of carbord till the piping get,cleaned certified by Engineer incharge. if any flange or valve required,to install or remove for above arrangement, vendor to do it at free of,cost.,3.After cleaning of piping, remove the torn carbord, piping spool,&lt;(&gt;&amp;&lt;)&gt; normalise the piping. tighten the flange connection or install, valve.,4.All necessary safety PPES,Tools &lt;(&gt;&amp;&lt;)&gt; tackles, material, manpower to,be arranged by Vendor.,5.After job completion housekeeping to be done.,6.Scaffolding erection if required will be in vendors scope.,7.Area bariacation &lt;(&gt;&amp;&lt;)&gt; safety precaustion must be taken while,execution of job.,DFPCL scope:,1.Arrangement of safety permit.,2.Details of piping to be carbord blasted.</p>	INM

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363	1006231	Fab. of incolloy 800H cone for EGH E205	<p>Fabrication of EGH E-205 bottom side insulation cone.,Vendors scope;1.Vendor to shift the 3mm incolloy 800H plate from store to site.This,incude, cutting, rolling, weld fitup and welding jobs to be performed at,suit at site.,2.Fabricate the cone as per drawing no:222112-70-001-Z0-04 and 9062-1223,sht 2 of 3.,3. ID of cone to be maintained near outlet flange at 1060.4mm and it,shoud rest of boiler side insulation box as per drawing 222112,-70-001-Z0-04.,4. ID of the cone near EGH bottom tube sheet to be maintained at 718 mm.,5. Height of the cone tentatively 300-500mm , but it is to be taken as,actual after removal of EGH at site as per actual measurement and,drawings as mentioned above. Welding to be performed as per WPS and QAP,plan given by STL.,100% DP test to be performed on all weld joints for defect free,welding. After completion of jobs its fitment to be checked during,erection jobs . if any alteration required same to be performed at site,only. advance intimation will be given regarding checking of fitment and,alteration job. ensure team will be available during that period at,site.,6. Manpower , unloading , shifting of plate material from store to site,,welding consumables,DP consumables, electrodes, welding set, grinding,machines etc are in vendors scope.,7. Vendor to ensure safety at work site.,8.Balance material to be return to concern engineer and housekeeping to,be perform.,STL scope:1.Arranging Permit, Air, electricity and space for doing the job.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes,Leather,apron, safety goggles, ear plugs, hand gloves, safety harness / belts,,overalls, gum boots etc. and other work equipment as required for safe,execution of work at his cost. Special PPEs/ safety appliances, if,required for any job as mentioned below job may be provided by the,company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC, contractor shall work beyond normal working hours also. No separate,/ additional compensation shall be payable for the same.,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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364	1006292	P-705/705A/706 DISMANTLE AND ASSEMBLE	<p>P-705/705A/706 DISMANTLE AND ASSEMBLE,VENDOR SCOPE,"01.Removing of all bolts for casing cover and again fixing.,01 No. of bolts 36 (1-1/4" dia x 6" long),02 no. of bolts centre 04 nos (1-1/4" dia x 15" long),03 no. of bolts for jacking 04 nos (1-1/4" dia x 6",long),04 no. dowel pin 04 nos (taper dowel pin1-1/4" dia x 6",long)",02.Removing of both side bearing housing cover.,03.Jacking and making a equal gap for casing cover by jack bolts.,04.Removing of Pump top cover/casing cover with proper certified,lifting tools and unloaded /shifted to proper place.,05.Removing of top cover/casing cover with the help of Crane,weight of cover approximately 1800 kg",06.Removing of Rotor assemblyand shifting to Utility Workshop with the,help of Crane/Hydra/Forklift weight of Rotor approximately 1500 kg,"07.Cleaning of all Stationary and Rotary parts with appropriate,cleaing agent.Cleaing agent in DFPCL SCOPE. ","08.If necessary job required cutting,welding heating and cooling,to be carried out by vendor. at the time of,01 removal of Pump coupling /Motor coupling.,02 removal of sleeve lock nut both end.,03 removal of D.E.and N.D.E. Bearing and its accessories.,04 removal of D.E.and N.D.E. sleeve,05 removal of casing wearing D.E.and N.D.E,06 any other un specified activity if required by job while removal,and fixing of casing cover,rotor assembly,coupling,alignment,etc,","09.after all cleaing ,inspection ,checking and corrections Rotor,Cover,and other removed parts to be fitted as per requirement at its,place.Inspection done by DFPCL.Job carried out under supervision of,DFPCL ENGINEER",10.Manpower Support provision in alignment job of drive and driven,equipment. (lifting,shifting,cutting,welding,heating and any new,changes.)(Machinery provision if required cutting,welding,heating and,any new changes.),11.Used of all Certified tools tackles,Machinery and PPE,12.HOUSKEEPING ,PPE IS MOST IMPORTANT WITH PUNCTUALITY.,13.Utilisation of certified Crane/Hydra/Forklift /Welding Machine,/Cutting Machine /Drill Machine/Grinder/Trolley or other movable,immovalble equipment related to job etc in Vendor Scope.",DFPCL scope:,Arrangment of permit. &lt;&gt; scafflding.,Air, water, electricity .</p>	EA
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365	1006305	PE 11 OPEN AND BOX UP	<p>open and box up the heat exchanger PE-11 , For tube plugging / hydro,blasting job.,SCOPE OF WORK,HEAT EXCHANGER DOME OPENING AND BOX UP ACTIVITY.,1) Opening of domes size 300mm, 2nos,2) Blinding of exchanger. Shell side 4"x300# 2no Dome side 2"x150# 2No,3) Hydro testing arrangement to be made &lt;(&gt;&amp;&lt;)&gt; fixed at the proper,position both side tube as well as shell.,4) Carryout hydrotest of exchanger.,Hydrotest pressure for PE 11,1. Shell side 1.5kg/cm2,2. Tube side 10.5 kg/cm2,5) After getting clearance from process dept,all the blinds to be,removed &lt;(&gt;&amp;&lt;)&gt; flanges to be normalized,with new gaskets as well as pipes.,6) All flanges &lt;(&gt;&amp;&lt;)&gt; both side dome cover normalized with new gasket.,7) All kinds of hydro testing arrangements to be removed.,8) Hand over the heat exchanger for final leak testing with nitrogen.,9) Arresting of leakage if found in Hydrotest then normalising,DFPCL SCOPE :.,All required gaskets, stud-bolts. Water, power.,6)TIME PERIOD :.,6.1 Job to be carried on round the clock basis till the job is completed,and certified by DFPCL.,8) MODE OF QUOTATION :.,8.1 Contractor should quote on lumpsum for entire job.,8.2 Contractor should total time duration for execution of job.,SAFETY PRECAUTIONS,i)The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii)Total job (rigging &lt;(&gt;&amp;&lt;)&gt; repalcement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii)The contractor is required to deploy persons for specific jobs who,are trained and skilled in activty and well familiar with hazards and,safety precautions.,iv)The supervisor/staff of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,v)Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKING HOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC,."</p>	EA
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366	1006309	Removal of "U" tube bundle D2-0309 exc.	<p>Removal and boxup of "U" tube bundle-D2-309 converter effluent cooler,EQUIPMENT TAG NO: D2-0309,Size of bundle- 10964 mm length x 301 OD with 109 nos. tube of 3/4" x,0.134" thk., Shell size - 12 " std pipe.,Interconnecting flanges (12") of "U" Bundle and shell joint - 1) Shell,closure flange, 2) Shell split flange, 3) Tube to shell adaptor ring.,Vendor Scope of Work ;,1)Removal of "U" tube bundle for cleaning by dismantling dome covers and,interconnecting shell flanges,2) Boxup of "U" tube bundle in shell along with interconnecting flanges.,3) Crane and hydra required in vendor scope.,DSTL SCOPE OF SUPPLY-,1. Single phase electricity connection,2. PROVISION OF POWER / AIR / LIGHT FOR THE JOB,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,-----,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F.</p>	EA
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**The participating company's declaration:**

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Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card

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367	1006313	DISMANTLING OF EQUIPMENT 6 MTR HEIGHT	DISMANTLING OF EQUIPMENT UPTO 6MTR HEIGHT,1) Vendor to depute supervisor, competent manpower tools <(>&<)>,Tackles to unload the equipment, vessel at site.,2) cutting of any support or loose support with equipment structural,support/ frame. removal of wooden supports and shifting to scrap yard.,3) Use the tested tools <(>&<)> tackles and lift the equipment with the,help of crane from trailer/truck inside plant area.,4) Shift the equipment to designated area by using Hydra without any,damage to equipments.,5) hydra and cranes are in vendors scope.	MT
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368	1006333	Removal & erection of PE-12	<p>SCOPE OF WORK,This requisition requires the Contractor to Open domes ,lines &lt;(&gt;&amp;&lt;)&gt;,remove existing PE-12 Heat Exchanger,from Location, Erection After retubing by DFPCL supplied crane.,Exchanger position :about 16 mtr from the ground.,Exchanger Weight : 4100kgs.,CONTRACTOR SCOPE OF WORK:,Contractor need to Remove and Erect heat exchanger as per DFPCL,engineer's instructions,Removal of domes and lines of Existing Heat Exchanger by DFPCL supplied,crane and shifting it to,specified position.,Vendor need to identify all the obstacles in advance and rectify them,well in advance.,Details of HP Vent Gas Condenser PE-12.,Design Code : As per ASME SEC VIII DIV.1&lt;(&gt;&amp;&lt;)&gt; TEMA 1999 edition,TEMA class"R" ,TEMA TYPE:BES(H),Tube Size : 19.05 O/DXThk-2.11mm X6096 LG,Tube MOC : SA 179,Number of Tubes : 266,Tube sheet material MOC :SA-266 GR.4,Ref.Drawings:,IM/HE/619 sheet 1 of 3 rev3,IM/HE/619 sheet 2 of 3 rev3,IM/HE/619 sheet 3 of 3 rev3,Job to be done (at dfpcl site inside DFPCL complex.),1)Detail procedure for the rigging of heat exchanger and,pre-requisition of structural member removal to be informed to DFPCL,for verification/approval along with offer.,As this job is shutdown job time duration is critical hence,time bar chart to be submitted along with offer for 24x7 basis.,No person should stay inside complex for more than 12 hours in any case.,Sufficient manpower to be arrange in shift for the job.,(Details of manpower to be confirm with offer),2) Contractor will mobilize his team at DFPCL site along with all,required tested equipment.,3)Vendor to submit final detail procedure along with time schedule,chart to engineer incharge/DFPCL inspection.,Following tentative activity to be performed during execution.,3.1.Removal of Domes: 800mm OD *560mm ID *133mm thick 2no,3.2.Opening of dome side lines: 4" *150 #2nos.,(Make arrangement for holding of same if any),3.3Opening of shell side lines: 4"*300 #2nos,(Make arrangement for holding of same if any),3.4Removal of exchanger by crane (supply by DFPCL)&lt;(&gt;&amp;&lt;)&gt; shifting it,to desired location,if required by trailer or hydra (supplied by DFPCL).,3.5.After retubing, erection of heat exchanger on its location,3.6. Lifting ttols and tackles certificates(form11) is required while,execution of job.,3.7.Qualified rigger and helper need to depute while execution.,3.8 Except structural member specify during offer submission no,structural member ,,obstacle will be removed by DFPCL &lt;(&gt;&amp;&lt;)&gt; contractor has to perform job,at his own cost.,DFPCL SCOPE OF SUPPLY:-,Crane/hydra will be in DFPCL scope.,Required permit,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures,as per the safety standards and comply with the safety requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar,with hazards and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as,specified to it's staff and workmen such as, safety helmets, safety,shoes, safety goggles, ear plugs, hand gloves, safety harness / belts,,overalls, gum boots etc. and other work equipment as required for safe,execution of work at his cost. Special PPEs/ safety appliances, if,required for any job as mentioned below job may be provided by the,company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",JOB COMPLITION TIME:,The total contract duration is as specified in the contract. However for,individual works from,time to time as and when need arises, separate intimations shall be,issued from</p>	EA
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individual,plants/ EIC. Contractor shall ensure mobilization of all required,resources and completion of,the job including dismantling, etc. as per EIC instructions.

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369	1006382	P9004 IPA CT motor removal and erection	<p>SCOPE OF WORK,P9004 IPA CT motor removal and erection,Motor details:,Rating: 1250KW,Weight: 6.2 Tonn,CONTRACTORS SCOPE OF WORK,Removal of foundation bolts of motor,Lifting and shifting of motor to required location,All tools and tackles required for lifting should be tested and,certified,Contractor to provide required helpers and riggers,Riggers and helpers should be trained to do heavy lifting jobs.,erection of motor on site after completion of its maintenance job.,DFPCL scope of work,Crane will be in DFPCL scope,Required permits for lifting and shifting will be provided by DFPCL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures,as per the safety standards and comply with the safety requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar,with hazards and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of,the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other,intoxicating,substances.,"The contractor shall provide personal protective equipment as,specified to it's staff and workmen such as, safety helmets, safety,shoes, safety goggles, ear plugs, hand gloves, safety harness / belts,,overalls, gum boots etc. and other work equipment as required for safe,execution of work at his cost. Special PPEs/ safety appliances, if,required for any job as mentioned below job may be provided by the,company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor)."</p>	EA
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370	1006383	P100A -motor removal and erection	<p>SCOPE OF WORK,P100A -motor removal and erection,Motor details:,Rating: 132 KW,Weight: 3.7 Tonn,CONTRACTORS SCOPE OF WORK,Removal of foundation bolts of motor,Lifting and shifting of motor to required location,All tools and tackles required for lifting should be tested and,certified,Contractor to provide required helpers and riggers,Riggers and helpers should be trained to do heavy lifting jobs.,erection of motor on site after completion of its maintenance job.,DFPCL scope of work,Crane will be in DFPCL scope,Required permits for lifting and shifting will be provided by DFPCL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures,as per the safety standards and comply with the safety requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar,with hazards and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of,the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other,intoxicating,substances.,"The contractor shall provide personal protective equipment as,specified to it's staff and workmen such as, safety helmets, safety,shoes, safety goggles, ear plugs, hand gloves, safety harness / belts,,overalls, gum boots etc. and other work equipment as required for safe,execution of work at his cost. Special PPEs/ safety appliances, if,required for any job as mentioned below job may be provided by the,company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor)."</p>	EA
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371	1006415	E3-E2 copper lined 12"x600# spool replac	<p>SCOPE OF WORK,This job consist of activty of arrangement w.r.t. preactivity,removal,,facilitation &lt;(&gt;&amp;&lt;)&gt; box up w.r.t. E-3 to E-2 copper lined propylene,service spool piece.,Location:Outlet of E3 exchanger,Size:End Flange:12"x600# (Flange to Flange Length approx 4.7meter),Spool Piece consist of CS outlet pipe with copper lining inside,weight:approx1.5ton,This job can be executed with following 2 cases.,Case1: If spool piece received from M/s Buzz Canceler fits in position,as it is.,Case2: If pipe received from M/s Buzz Canceler fits in position,and machning and fittment activity need to perform for the same.,CONTRACTORS SCOPE OF WORK,Case1: If spool piece received from M/s Buzz Canceler fits in position,as it is.,i)Contractor has to make arrangement for holding,and fixing of line E3-E2 immediate next spool piece in position,for fixing of line.,ii)Checking of available spool piece possible received from M/s,buzz canceler dimensions,FlangePCD ,nozzle orientations, Caustic,line location and length between flanges.,iii)Fixture need to prepare for fixing position of line.,iv) Marking &lt;(&gt;&amp;&lt;)&gt; punching of line positon.,v)Opening of end flange and connected associated nozzles.,vi)Try to fix new spool piece in position with new gasket.,vii) If it get fixed then box up the same with contractor lifting tools,and tackles.,(certified for Form 11),CONTRACTORS SCOPE OF WORK,Case2: If spool piece received from M/s Buzz Canceler does not fits in,position,i)Contractor has to make arrangement for holding,and fixing of line E3-E2 immediate next spool piece in position,for fixing of line.,ii)Checking of available spool piece possible received from M/s,buzz canceler dimensions,FlangePCD ,nozzle orientations, Caustic,line location and length between flanges.,iii)Fixture need to prepare for fixing position of line.,iv) Marking &lt;(&gt;&amp;&lt;)&gt; punching of line posiiton.,v)Opening of end flange and connected associated nozzles.,vi)Try to fix new spool piece in position with new gasket.,if it doesn't get fix then contractor has to made plan,for making necessary arrangement w.r.t. filling of existing bolt holes,with,welding &lt;(&gt;&amp;&lt;)&gt; marking for holes for fittment at site.,viii)Above plan need to get approve and need to be submitted along with,offer.,tentative steps are as below.,1)Based on actual condition at site marking to be done for position of,bolt.,2)Filling of holes with weld for end flange.,3) Marking as per site condition to be shown to machinist,contractor for drilling.,4)Fitter/supervisor to be send(kept) at machnist workshop for,proper location at drilling.,5)Associated loading and unloading activity.,6)To &lt;(&gt;&amp;&lt;)&gt; Fro transportation from DFPCl to machinist works in vendor,scope.,ix) After receiving material from contractor with lifting tools and,tackles.,(certified for Form 11)fixing same at site.,x) All associated jigs and fixture for associted job for holding,associated lines,,spool piece(copper lined) in position &lt;(&gt;&amp;&lt;)&gt; other accessories,preparation will be,in contractor scope.,All tools and tackles required for lifting should be tested and,certified,Contractor to provide required helpers and riggers,Riggers and helpers should be trained to do heavy lifting jobs.,Contractor has to submit 2 separate quotation for case1 and case 2.,DFPCL scope of work,1)Hydra will be in DFPCl scope however intimation to be given 1 -2 day,prior to,DFPCL engineer.,2)Required permits for removal, lifting and shifting will be provided,by DFPCl.,3)Scaffolding for sub. Job.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures,as per the safety standards and comply with the safety requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar,with hazards and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of,the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic</p>	EA
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liquor, drug or other, intoxicating, substances.,"The contractor shall provide personal protective equipment as, specified to it's staff and workmen such as, safety helmets, safety, shoes, safety goggles, ear plugs, hand gloves, safety harness / belts,, overalls, gum boots etc. and other work equipment as required for safe, execution of work at his cost. Special PPEs/ safety appliances, if, required for any job as mentioned below job may be provided by the, company, on chargeable / returnable basis (cost of repair or damage as a result, of mishandling will be charged from the contractor)."

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372	1006417	Preparation of 5 "S" RED TAG AREA BIN	5 "S" RED TAG AREA BIN, Vendor Scope, 01. Preparation of Red tag area bin, 02. For preparation red tag area bin material shifting from one place to another place is in vendor scope, 03. As per dimension and design from DFPCL/STL Red tag area bin to be prepared, 04. Dimension of bin in cubic shape, a basic shape 6 MTR. Long, height 1.5 MTR. and width is 1.5 MTR., b Fourth side is the front side (height is 0.5 MTR.), 6 MTR., c Length area will be divided in four equal partition of 1.5 MTR., Width, d Bin not require any base and top, 05 6 MTR. Long wall (back side) top consist of display board. Details, of display board, height 6 inch and 12 inch breadth with 3mm thickness Material of, construction MS sheet qty 04 nos, 06. Material require for preparation of one bin is, a:- 25 MM MS angle thickness 4 MM qty =58.5 MT. (for one bin), b:- Metal net require 23.25 m <sup>3</sup> , c:- Painting Grey colour /Yellow colour (any one) one coat of red oxide, and two coat of colour paint, 07. Painting material is in vendor scope, 08. All tools, machinery and consumable for preparation of bin in the, vendor scope., 09. After preparation and painting of bin shifting require as per, designated place in DFPCL/STL under supervision of DFPCL/STL authority., 10 All safety norms to be follow with all aspect while preparation, painting, materials shifting and shifting of bins., DFPCL/STL scope, 01. All MS material provided by DFPCL/STL, 02. All metal net provided by DFPCL/STL, 03. Drawing and Dimension provided by DFPCL/STL, 04. Each bin should approved by DFPCL/STL approving authority.	EA
373	1006449	WNA1/2 E202 AMMONIA EVP DOME OPEN & BOX	WNA1/2 AMMONIA VAPOURISER E202 DOME OPEN AND BOX UP, Vendor scope of work :-, 1) Both dome removal. Size-26" x 150# x 2 No., 2) opening <(>&<)> box up of cooling water supply <(>&<)> return line., Size 10" x 150# x 2 No, 3) cutting of new gasket as per size from gasket sheet., 4) After hydroblasting both dome <(>&<)> cooling water line box up, DFPCL scope:-, 1) hydroblasting machine require for job will be provided by DFPCL.	EA
374	1006459	Belt Repl. 1600 HR/OR/M24-4 Ply in NPK	Vendor scope:, 1) AS per belt position Belt tension to be released of Tail pulley, 2) For belt joint preparation all the required Clamp <(>&<)> Ply to be, shifted to the job location., 3) Impact roller Frames to be removed as per STL Mechanical Supervisor., 4) Belt to be clamped at Rollers Frame as per STL Mechanical Supervisor., 5) Belt joint preparation with the chain block arrangement as per STL, Mechanical Supervisor., 6) Assist the job with Cold Joint Technician as per instruction of STL, Supervisor., 7) Restore the Original condition back as per STL Mechanical Supervisor, 8) Give the proper belt tesnsion as per STL Mechanical Supervisor, 9) Shift all the tools <(>&<)> tackles to its proper location/Workshop., Proper house keeping., 10) All tools <(>&<)> tackles are in contractor's scope, STL SCOPE, 1) All permission <(>&<)> Proper Permit will be given by STL, 2) All required utilities will be in STL scope	M

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375	1006463	Mesh Replacement for NPK screens	<p>Contractor scope:;1) Rubber Panel removal before mesh replacement. Weight approx 50KG,approx. job locations are at 4th &lt;(&gt;&amp;&lt;)&gt; 5th floor at NPK plant.,2) Tensioning bolt removal approx -40 Nos.(5/8"x165 size),3) Centre plate bolt removal for removal of screen mesh- 20mm x 35 mm,-05 nos.,3) Removal of set of chain links with bucket as per STL Engineer.,4) All the lifting &lt;(&gt;&amp;&lt;)&gt; shifting of material related to job are in,contractor's scope.,5)Wear all safety PPEs before removal of screen mesh.,6)Removal of damaged screen &lt;(&gt;&amp;&lt;)&gt; provide new screen. Approximate,weight of screen 14.061 kg,7) Dimensions of mesh 101.6(L)x160.02(W)x60.96(H)CM,8) Provide centre Plate &lt;(&gt;&amp;&lt;)&gt; screen mesh as per earlier condition.,9)Install the screen mesh by providing all new tensioning bolts.,10)Assist technician for Proper tensioning of screen &lt;(&gt;&amp;&lt;)&gt; alignment,prior to boxed up of rubber panel.,11)Shift all the tools &lt;(&gt;&amp;&lt;)&gt; tackles to its proper location/Workshop,.maintain Proper house keeping at job location.,12)All tools &lt;(&gt;&amp;&lt;)&gt; tackles are in contractor's scope,STL SCOPE,1) All permission &lt;(&gt;&amp;&lt;)&gt; Proper Permit will be given by STL,2) All required utilities will be in STL scope</p>	EA
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376	1006468	D20309 B/C exchanger open & boxup	<p>D20309 B and C exchanger open &lt;(&gt;&amp;&lt;)&gt; boxup, and hydrotesting,EQUIPMENT TAG NO: D2-0309,Wt -6 ton/exchnager, length 10 m,flange size 12 x 2500 psi.,Vendor Scope of Work :,1) Removal of exchangers B &lt;(&gt;&amp;&lt;)&gt; C from location by opening flanges,2) Hydrotesting of exchnager at 540 Kg/cm2.,3) Attending tube leakage if found leak.,4) Exchnager fixing in position and flange boxup with torque of 1544,ft/lbs,3) Crane and hydra required in vendor scope.,4) Welding in vendors scope.,DSTL SCOPE OF SUPPLY-,1. Single phase electricity connection,2. PROVISION OF POWER / AIR / LIGHT FOR THE JOB,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,-----,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card</p>	EA
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377	1006469	D20309 A exchanger open & boxup	<p>D20309 A exchanger open &lt;(&gt;&amp;&lt;) boxup, bundle removal and hydrotesting,EQUIPMENT TAG NO: D2-0309,Size of bundle-10964 mm length x 301 OD with 109 nos. tube of 3/4" x,0.134" thk., Shell size - 12 " std pipe.,Interconnecting flanges (12") of "U" Bundle and shell joint - 1) Shell,closure flange, 2) Shell split flange, 3) Tube to shell adaptor ring.,Vendor Scope of Work :,1) Removal of exchanger from location by opening flange,2)Removal of "U" tube bundle for cleaning by dismantling dome covers and,interconnecting shell flanges,3) Boxup of "U" tube bundle in shell along with interconnecting flanges.,4) Hydrotesting of exchnager at 540 Kg/cm2.,5) If found leak in hydrotest, attending tube leak by plugging and,welding,6) Exchnager fixing in position and flange boxup with torque of 1544,ft/lbs,7) Crane and hydra required in vendor scope.,8) welding in vendors scope.,DSTL SCOPE OF SUPPLY-,1. Single phase electricity connection,2. PROVISION OF POWER / AIR / LIGHT FOR THE JOB,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;) regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incse of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;) fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as</p>	EA
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per EIC instructions.,GATE PASSES,-----,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR  
INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC  
CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card  
/ I Card,7. Photo Identity Card

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378	1006470	SS Plate Weld 0-6 mm thk But,Lap joint	SS Plate Weld 0-6 mm thk But,Lap joint,Vendor scope:,This include, shifting of plate, edge preparation, V preparation ,,making fit up <(>&<)> carryout Welding with SS304/SS304L/SS316/SS316L,welding filler and necessary dressing.,Welding Consumables, manpower, Safety PPES are in vendor scope.	INL
379	1006478	CS Plate cutting 0-6 mm thick.	Vendor scope:,Cutting of CS plate 0 to 6 mm thick by Grinding wheel/DA+oxygen gas,cutting set/Plasma cutting set and Grind the edges, corners after,cutting.Shifting to required place as per Job Co-ordinator. The scope of,job includes dismantling of plate or carrying out modification in the,plate structure. The cut of materials shall be shifted/transported back,as per instruction of Job Co-ordinator.	INL
380	1006481	H 7408 Belt replacement	CONTRACTOR SCOP OF WORK.,Belt conveyor replacement for H 7408 at NPK Bagging,1- Shift the new Belt whenever required for changing,2- Belt length 350mtr width 650mm 4 ply,3- Take permit and up Takeyp,release the belt by the help of chain,pulley Block.,4- Fixed clamp in the Belt when ever required.,5- Cut the old Belt portion and linked new Belt,6- Fixed the new Belt.,7- Take sufficient takeup. By the help of site engineer and clamp the,new Belt for Belt joint.,8- Make necessary arrangement for Belt joint like that wooden ply clamp,and other things,9- give sufficient Belt tension.,10- Check Bearing lubrication or Roller. If damaged then replace.,11- Shift Old Belt in scrap area or take advice to site engineer for,shifting.,12- Shift all accessories and other spare which is not required to near,new Belt.,13- Hydra Crane and other shifting machine is in Vendor scop.,STL SCOPE,1- Stl provide the permit for executing the work.,2- Power supply is in STL scop.	EA

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381	1006490	Chain replacement for H7114/7514 Product	Chain replacement for H7114/7514 Product B/E, Vendor scope -, 1) MAKING PREPARATION WITH REQUIRED TOOLS FOR ELEVATOR CHAIN REPLACEMENT, 2) OPENING OF BOTTOM SIDE INSPECTION WINDOW, AND REMOVING TOP COVER, 3) ENSURING PROPER CLEANING OF BUCKET ELEVATOR BOOT, 4) POSITIONING OF CHAIN PULY BLOCK TO HOLD THE TAIL SPROCKET IN POSITION, 5) LOOSENING OF CHAIN TENSION BOLTS OF TAIL SPROCKET, 6) REMOVING OF 2 NOS BUCKET FROM POSITION BY REMOVING BOLTS BY GAS, CUTTING, 7) LIFTING OF TAIL SPROCKET UPTO MAXIMUM HEIGHT AS PER AVAILABLE SLOT, 8) CUTTING OF BOTH SIDE CHAIN LINK AND REMOVING LINK FROM POSITION, 9) REJOINTING THE NEW CHAIN AGAIN WITH OLD CHAIN, 10) CUTTING OF SECOND SIDE CHAIN LINK ALONG WITH BUCKETS AND REMOVING CHAIN FROM POSITION, 11) REJOINTING THE CHAIN AGAIN WITH NEW SPLIT PINS, 12) FIXING OF BUCKETS WITH NEW BOLTS M12X50MM LONG AND TAG WELDING, 13) TOTAL CENTRE DISTANCE BETWEEN HEAD AND TAIL SPROCKET IS 43.010 MTR, 14) AFTER COMPLETE CHAIN REPLACEMENT SPLIT CHAIN INTO TWO PIECES AT HEAD, SPROCKET, 15) DISMANTLING THE HEAD SPROCKET WHICH IS IN 2 HALF BY LOOSENING THE BOLTS, 16) PUTTING THE NEW SPROCKET IN PLACE AND FIXING WITH PROPER BOLTS, 17) REPOSITIONING THE CHAIN ON NEW SPROCKET BY CONNECTING CHAIN LINKS, 18) CHECK FREE ROTATION OF THE CHAIN BY MANUALLY ROTATING THE HEAD, SHAFT, 19) TRIAL RUN OF THE ELEVATOR <(>&<)> BOXING UP THE INSPECTION COVERS, 20) JOB HAS TO BE DONE ROUND THE CLOCK BASIS, DSTL SCOPE, 1) PROPER CLEANING OF BUCKET ELEVATOR BOOT BEFORE JOB START UP, 2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT, 3) FREE SUPPLY OF AIR /WATER/ELECTRICITY SAFETY, 4) REQUIRED FASTNERS <(>&<)> SPARES ARE IN DSTL SCOPE, SAFETY PRECAUTIONS, The contractor shall follow safety rules <(>&<)> regulations, safety, procedures as per the safety standards and comply with the safety requirements, The contractor is required to deploy persons for specific jobs who are trained and skilled in particular trade and well familiar with hazards, and safety precautions, The site staff and workers of the contractors are required to undergo safety orientation before they are assigned work at site, No person shall be allowed at work site without safety orientation, The contractor shall ensure that any time during the performance of the work his personnel are fit to execute the tasks assigned are not under the influence of any alcoholic liquor, drug or other intoxicating substances, The contractor shall provide personal protective equipment as specified	EA
382	1006499	LDAN BUCKET ELEVATOR TEETH REPLACEMENT	Vendor scope: 1. OPENING OF BOOT COVERS, TOP COVER <(>&<)> INSPECTION DOORS, 2. RELEASING OF CHAIN TENSION, 3. OPENING OF CHAIN LINKS BY REMOVING CHAIN COUPLER, 4. DERAILING OF CHAIN FROM HEAD SPROCKET TEETH WITH THE HELP OF TWO 2TON CHAIN BLOCK, 5. REMOVAL OF OLD TEETH SPROCKET BOLT WITH THE HELP OF SPANNER OR BY CUTTING SET (QTY.30), 6. INSTALLATION OF NEW TEETH WITH BOLT, 7. AGAIN RAILING OF CHAIN PROPERLY WITH TEETH SPROCKET, 8. PROVIDING TENSION <(>&<)> RECOMMISSIONING, 9. ELEVATOR TRIAL IN OPEN CONDITION, 10. BOXING UP OF COVERS <(>&<)> INSPECTION DOORS, DSTL scope: Valid work permit, Appointing plant co-ordinators for plant for entire duration of the contract. (From maintenance as well as operation dept.), Entry gate pass <(>&<)> safe work permits for FMPL representative, Cold <(>&<)> Hot Work Team for rectification work, Tools <(>&<)> tackles as required for Machining and repair work is in contractor scope.	EA

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383	1006500	Empty gas cylinder cleaning & cutting	Vendor scope:,1. Empty gas cylinder shifting from varous plant area to contractor,shop.,2.Removal of valve assembly.,3.Cylinder inside water wash cleaning.,4.Cutting of cylinder in pieces and shifting scrap yard.,DFPCL scope:,1.Arrangement of permit.	EA
384	1006502	Rem/Inst.Cooler & Dryer Fan bellow NPK	1) Complete bolts to be removed as per STL Engineer.,2) Removal of fan bellows,3) Discharge bellow dimensions :1974x626x150 mm, Weight of bellow :80 KG,4) New Discharge bellow dimensions :1974x626x150 mm <(>&<)> SS 316,Metallic bellow, Weight 150 KG,5) Shifting <(>&<)> erection of bellow inplace of existing bellow at 10,mtr height,6) Installation of bellow <(>&<)> boxed up .,7) Proper tensioning of bellow.,8) Bellow shifting <(>&<)> erection as per STL Engineer.,9)Shift all the tools <(>&<)> tackles to its proper location/Workshop.,Proper house keeping.,10)All tools <(>&<)> tackles are in contractor's scope,STL SCOPE,1) All permission <(>&<)> Proper Permit will be given by STL,2) All required utilities will be in STL scope	EA
385	1006503	Rem/Inst.granulator d/s fan bellow NPK	1) Complete bolts to be removed as per STL Engineer.,2) Removal of fan rubber bellows, Approx weight 60 KG.,3) Chain to be locked at inspection door at top or intermediate floor.,4) Discharge bellow dimensions :3015x715x150 mm,5) New Discharge bellow dimensions :3015x715x150 mm <(>&<)> SS 316,Metallic bellow, Weight 150 KG,6) Shifting <(>&<)> erection of bellow inplace of existing bellow at 10,mtr height,7) Installation of bellow <(>&<)> boxed up .,8) Proper tensioning of bellow.,9) Bellow shifting <(>&<)> erection as per STL Engineer.,10)Shift all the tools <(>&<)> tackles to its proper location/Workshop.,Proper house keeping.,11)All tools <(>&<)> tackles are in contractor's scope,STL SCOPE,1) All permission <(>&<)> Proper Permit will be given by STL,2) All required utilities will be in STL scope	EA
386	1006510	K-731 E/F INTER COOLER OPENING/BOX UP	K-731 E/F INTER COOLER OPENING AND BOX UP,Vendor Scope,01. Opening and Boxup of of all windows.,02. Opening and Box up of 12" x 150# flanges qty 02 nos,03. Opening and Box up of 4" x 150# flanges qty 02 nos,04. Opening and Box up of 1-1/2" x 150# flanges qty 02 nos,05. All tools tackles used for job is in scope of vendor,Safety:,All employee of vendor follow safety norms.,All employee of vendor wear PPE,DFPCL Scope,DFPCL PROVIDE AIR ,DRINKING WATER AND ELECTRICITY	EA
387	1006522	K-731 E/F AFTER COOLER OPENING/ BOX UP	K-731 E/F AFTER COOLER OPENING AND BOX UP,Vendor Scope,01. Opening and Boxup of of all windows.,02. Opening and Box up of 12" x 150# flanges qty 02 nos,03. Opening and Box up of 4" x 150# flanges qty 02 nos,04. Opening and Box up of 1-1/2" x 150# flanges qty 02 nos,05. All tools tackles used for job is in scope of vendor,Safety:,All employee of vendor follow safety norms.,All employee of vendor wear PPE,DFPCL Scope,DFPCL PROVIDE AIR ,DRINKING WATER AND ELECTRICITY	EA
388	1006523	K-731 D INTER COOLER OPENING AND BOX UP	K-731 D INTER COOLER OPENING AND BOX UP,Vendor Scope,01. Opening and Boxup of of all windows.,02. Opening and Box up of 12" x 150# flanges qty 02 nos,03. Opening and Box up of 3" x 150# flanges qty 02 nos,04. All tools tackles used for job is in scope of vendor,Safety:,All employee of vendor follow safety norms.,All employee of vendor wear PPE,DFPCL Scope,DFPCL PROVIDE AIR ,DRINKING WATER AND ELECTRICITY	EA

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389	1006524	K-731 D AFTER COOLER OPENING AND BOX UP	K-731 D AFTER COOLER OPENING AND BOX UP, Vendor Scope, 01. Opening and Boxup of of all windows., 02. Opening and Box up of 8" x 150# flanges qty 02 nos, 03. Opening and Box up of 3" x 150# flanges qty 02 nos, 04. All tools tackles used for job is in scope of vendor, Safety:, All employee of vendor follow safety norms., All employee of vendor wear PPE, DFPCL Scope, DFPCL PROVIDE AIR, DRINKING WATER AND ELECTRICITY	EA
390	1006528	replacment of column C-8 CNA plant	"Scope of work CNA Column opening and boxup for packing replacement., INTERNALS - COLUMN PIECE EACH - 1.4 MTR DIA x 3 MTR LONG, APPROX 3 TON, -NO OF COLUMN PIECES - 1 NOS + 1 NOS DOME, Scope of work - 1) Opening of doors, erection of scaffolding for removal, of 16" vapor bend (APPROX 27 M3). 2) Assistance for removal of 16", vapor bend 3) Removal of dome, approx 1300 mm dia (approx 1t) using, chain block. 4) Removal of bellow support by gas cutting / grinding for, 16" bellow. 5) Removal of acid reflux line size-- 4" x 150# <(>&<)>, all connected lines, 5th floor 6) Removal of packing of each column, segments and shifting to designated place. 7) replacment of Damage, column C-8 8) Fixing of packings in column segment. 9) Replacement of, gaskets between column segments between C-7 to C-9 10) Shifting of, related material from store to site <(>&<)> old, UNUSED material from, site to scrap yard / Stores. 11) Installation of packing <(>&<)> boxup, of all column segments with new gasket <(>&<)> torquing of bolts (torque, 10 to 15 KGM) 12) Attend leakage if any immediately. final box up of, column segments, internals, dome and all connecting lines with new, gaskets. 13) Torque tightening of column flanges. 14) Removal of chain, pulley block from position. 15) Contractor shall arrange sufficient, manpower, tools <(>&<)> tackles, welding consumables, for execution of, jobs on round the clock basis to ensure timely completion. 16), Abnormality if any, observed during any stage of the job shall be, immediately brought into the notice of DFPCL job coordinator. 17) All, dismantled spares shall be properly stored, DFPCL shall not be, responsible for any loss of components. 18) Contractor shall fulfill all, the conditions of safety permit and ensure availability of all necessary, PPE's. 19) All portable electrical equipments to be certified by safety, department before taking in use 20) All lifting tools <(>&<)> tackles, used for carrying out job should have valid certificates and to be, submitted before starting the job to the job-cordinator 21) Only, certified welders shall carry out any welding jobs. 22) Chain block,, slings <(>&<)> all lifting equipments used by contractors should be, certified for load testing and certificate should be produced before, starting the work. 23) Crane required for job is in vendor scope. ", Vendor scope:, 1) Crane and Hydra, if required is in Contractor Scope, 2) Competent manpower with tools and tackles for caring out the job, DFPCL scope of supply :- 1) Free Electric power, water and air., SAFETY PRECAUTIONS The contractor shall follow safety rules <(>&<)>, regulations, safety procedures as per the safety standards and comply, with the safety requirements. The contractor is required to deploy, persons for specific jobs who are trained and skilled in particular, trade and well familiar with hazards and safety precautions. The site, staff and workers of the contractors are required to undergo safety, orientation before they are assigned work at site. No person shall be, allowed at work site without safety orientation. The contractor shall, ensure that any time during the performance of the work his personnel, are fit to execute the tasks assigned and are not under the influence of, any alcoholic liquor, drug or other intoxicating substances. The, contractor shall provide personal protective equipment as specified, mobilization:- Job to be stated immediately after clearance from DFPCL, coordinator	LE

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391	1006580	replacment of column C9 TO C6 CNA plant	<p>Scope of work CNA Column opening and boxup for packing replacement.,INTERNALS -COLUMN PIECE EACH - 1.4 MTR DIA x 3 MTR LONG, APPROX 3 TON,-NO OF COLUMN PIECES - 3 NOS (C8,C7,C6) + 1 NOS DOME,Scope of work - 1) Opening of doors, erection of scaffolding for removal,of 16"" vapor bend (APPROX 27 M3). 2) Assistance for removal of 16"",vapor bend 3) Removal of dome, approx 1300 mm dia (approx 1t) using,chain block. 4) Removal of bellow support by gas cutting / grinding for,16"" bellow. 5) Removal of acid reflux line size-- 4"" x 150# &lt;(&gt;&amp;&lt;)&gt;,all connected lines, 5th floor 6) Removal of packing of each column,segments and shifting to designated place. 7) replacment of Damage,column C-8 8) Fixing of packings in column segment. 9) Replacement of,gaskets between column segments between C-7 to C-9 10) Shifting of,related material from store to site &lt;(&gt;&amp;&lt;)&gt; old, UNUSED material from,site to scrap yard / Stores. 11) Installation of packing &lt;(&gt;&amp;&lt;)&gt; boxup,of all column segments with new gasket &lt;(&gt;&amp;&lt;)&gt; torquing of bolts (torque,10 to 15 KGM) 12) Attend leakage if any immediately. final box up of,column segments, internals, dome and all connecting lines with new,gaskets. 13) Torque tightening of column flanges. 14) Removal of chain,pulley block from position. 15) Contractor shall arrange sufficient,manpower, tools &lt;(&gt;&amp;&lt;)&gt; tackles, welding consumables, for execution of,jobs on round the clock basis to ensure timely completion. 16),Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPCL job coordinator. 17) All,dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components. 18) Contractor shall fulfill all,the conditions of safety permit and ensure availability of all necessary,PPE's. 19) All portable electrical equipments to be certified by safety,department before taking in use 20) All lifting tools &lt;(&gt;&amp;&lt;)&gt; tackles,used for carrying out job should have valid certificates and to be,submitted before starting the job to the job-cordinator 21) Only,certified welders shall carry out any welding jobs. 22) Chain block,,slings &lt;(&gt;&amp;&lt;)&gt; all lifting equipments used by contractors should be,certified for load testing and certificate should be produced before,starting the work. 23) Crane required for job is in vendor scope. ",Vendor scope:,1) Crane and Hydra , if required is in Contractor Scope,2) Competent manpower with tools and tackles for caring out the job,DFPCL scope of supply :- 1)Free Electric power, water and air.,SAFETY PRECAUTIONS The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt;,regulations, safety procedures as per the safety standards and comply,with the safety requirements. The contractor is required to deploy,persons for specific jobs who are trained and skilled in particular,trade and well familiar with hazards and safety precautions. The site,staff and workers of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation. The contractor shall,ensure that any time during the performance of the work his personnel,are fit to execute the tasks assigned and are not under the influence of,any alcoholic liquor, drug or other intoxicating substances. The,contractor shall provide personal protective equipment as specified,mobilization:- Job to be stated immediately after clearance from DFPCL,coordinator</p>	LE
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392	1006612	WNA2 expander gas heater lifting/testing	<p>Expander Gas Heater lifting and Pneumatic job in W.N.A-2 PLANT,EXPANDER GAS HEATER; WEIGHT :13.75 TON Scope of job is as follows,Scope of work :-,1) EXPANDER GASHEATER - WASTEHEAT BOILER body flange loosening,,2)Spring support measurement to be taken and nut loosening,,3)Expander gas heater inlet line 16"x300# and t.g vent valve /spool,piece 10"x300# defanged, supports/grating cutting,4) Lifting of the expander gas heater with main mechanical hoist,5) Cleaning of the gasket face and stud/ nut. Also greasing of all,stud,.,6)Removal of cone above waste heat boiler, cleaning and installing it,back.,7)Lifting of expander gas heater to 1mtr above convertor floor,8)Lowering down of the expander gas heater after pneumatic test and,tightening of the connecting flanges including body flange. Spring,supports fixing,9)Tightening of connecting flanges including body flange with new,gaskets &lt;(&gt;&amp;&lt;)&gt; unlocking the bellow. HOT TIGHTENING.,10)Pneumatic test up to 2KG/cm2 of WNA2 EGH Exchangers/Equipment,11) Pneumatic test of equipment/exchangers up to 2 kG/cm2,12) Making suitable arrangement for blinding (18"x300, 10"x300 )and,deblending to be same,13) The scope of work includes insertion of blinds, making pneumatic,connection,,14) Installation of pressure gauge &lt;(&gt;&amp;&lt;)&gt; restoring the line after,Test.,15) Opening and box-up of flange is part of the scope of job.,16) Testing accessories is to be arranged by the contractor.,DFPCL scope of supply :- 1)Free Electric power, water and air.,Entry gate pass &lt;(&gt;&amp;&lt;)&gt; safe work permits for FMPL representative.,SAFETY PRECAUTIONS :- 1) The contractor shall follow safety rules,&lt;(&gt;&amp;&lt;)&gt; regulations, safety procedures as per the safety standards and,comply with the safety requirements. 2)The contractor,is required to deploy persons for specific jobs who are trained and,skilled in particular trade and well familiar with hazards and safety,precautions. 3) The site staff and workers of the,contractors are required to undergo safety orientation before they are,assigned work at site.,4)No,person shall be allowed at work site without safety orientation. The,contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,5,) The contractor shall provide personal protective equipment as specified,mobilization:- Job to be stated immediately after clearance from DFPCL,coordinator and job will be carried out 24*7 after DFPCL clrance.</p>	LE
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393	1006615	O&B CHANEL CVR OF D2-301A1/B1 EXCHNGR	<p>SCOPE OF WORK,Open and box up of channel covers of D2-301A1/B1 Syn 2nd Suction Cooler,exchanger for tube cleaning,Equipment Number: D2-301A1/B1,Equipment Name: Syn Gas 2nd Stage Suction Cooler of CES compressor,Design Pressure: Shell Side - 6 Kg/cm2, Tube side - 65 Kg/cm2,Hydrotest Pressure: Shell Side - 7.8 Kg/cm2, Tube side - 84.5,Kg/cm2,Job involves-,Channel Cover: OD - 250 mm, Length - 466 mm, Wall thickness - 10 mm -,2nos.,Nozle Flanges: 4" x 600# --- 02 nos.,Contractor Scope of work,1)Dismantling of channel, channel cover dome / flange, after proper,match marking.,2) Dismanteling / blinding of all the connecting lines flanges,3) Cleaning of gasket seating area of tube sheet / shell flange.,4) Boxed up the channel, covers and connected lines with new gaskets,5) After testing the leakage of floating head cover is over, boxing up,of shell cover shall be done.,6) Flange tightening / sequence shall be as per standard.,7) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely,completion of all jobs.,8) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,9) Contractor shall carry out hot tightening wherever temperature is,more than 150 deg. cel.,10) If any bolts requires to be cut that will not be considered as,additional job,11) Scaffolding whewere necessary for the job shall be provided by the,contractor. Scaffolding shall be removed only on total completion,of the job,12) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPCL job coordinator.,13) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components. Cost of lost components /,studs shall be deducted from the contractor's bill.,14) Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator and take,approval before doing the work.,15) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,16) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work,site immediately after completion of work. Housekeeping shall also,be done in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,17) Shifting of exchanger will be arrange by contractor.,DSTL SCOPE OF SUPPLY-,1) Water and Electricity.,2) Permit to carry out the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKING HOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working</p>	LE
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hours,also. No separate / additional compensation shall be payable for the,same." ,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To <(><>> fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,-----,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card

***The participating company's declaration:***

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394	1006617	REMOVE & INSTALL OF D2-3901 TUBE BUNDLE	<p>SCOPE OF WORK,Remove and install of D2-3901 Air 1st stage Discharge Cooler exchanger,tube bundle for cleaning,Equipment Number: D2-3901,Equipment Name: Air 1st stage Discharge Cooler of CES compressor,Design Pressure: Shell Side - 100 PSI, Tube side - 75 PSI,Hydrotest Pressure: Shell Side - 150 PSI, Tube side - 115 PSI,Empty weight: 3500 Kgs,Length weight: 6090 mm,Job involves-,O&lt;(&gt;&amp;&lt;)&gt;B of end cover CW side size: OD 457 mm X length 660 MM,O&lt;(&gt;&amp;&lt;)&gt;B of end cover Air side size: OD 411 mm X length 200 MM,Contractor Scope of work,1)Dismantling of channel, channel cover dome / flange, after proper,match marking.,2) Dismanteling / blinding of all the connecting lines flanges,3)Removal of cooler tube bundle from shell,and shifted into a designated place for cleaning,4) Hydrotesting of tube bundle,5) If leak found tube plugging job to be done and again hydrotest,6) Cleaning of gasket seating area of tube sheet / shell flange,,7) Boxed up the tube bundle, channel, covers and connected lines with,new gaskets,8) While fixing the new tube bundle if require to grinding or any,modification will be arrange by contractor,9) Testing of floating head covers for leaks after cooling water,circulation,starts,10) After testing the leakage of floating head cover is over, boxing up,of shell cover shall be done.,11) Flange tightening / sequence shall be as per standard.,12) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely,completion of all jobs.,13) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,14) Contractor shall carry out hot tightening wherever temperature is,more than 150 deg. cel.,15) If any bolts requires to be cut that will not be considered as,additional job,16) Scaffolding wherever necessary for the job shall be provided by the,contractor. Scaffolding shall be removed only on total completion,of the job,17) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPCL job coordinator.,18) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components. Cost of lost components / ,studs shall be deducted from the contractor's bill.,19) Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator and take,approval before doing the work.,20) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,21) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work,site immediately after completion of work. Housekeeping shall also,be done in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,22) Shifting of exchanger will be arrange by contractor.,DSTL SCOPE OF SUPPLY-,1) Water and Electricity.,2) Permit to carry out the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged</p>	LE
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**pg. 278**

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395	1006618	REMOVE & INSTALL OF D2-3902 TUBE BUNDLE	<p>SCOPE OF WORK,Remove and install of D2-3902 Air 2nd stage Discharge Cooler exchanger,tube bundle for cleaning,Equipment Number: D2-3902,Equipment Name: Air 2nd stage Discharge Cooler of CES compressor,Design Pressure: Shell Side - 100 PSI, Tube side - 75 PSI,Hydrotest Pressure: Shell Side - 150 PSI, Tube side - 215 PSI,Empty weight: 3500 Kgs,Length weight: 7310 mm,Job involves-,1) O&lt;(&gt;&amp;&lt;)&gt;B of end cover CW side size: OD 356 mm X length 584 MM,2) O&lt;(&gt;&amp;&lt;)&gt;B of end cover Air side size: OD 322 mm X length 868 MM,Contractor Scope of work,1)Dismantling of channel, channel cover dome / flange, after proper,match marking.,2) Dismanteling / blinding of all the connecting lines flanges,3)Removal of cooler tube bundle from shell,and shifted into a designated place for cleaning,4) Hydrotesting of tube bundle,5) If leak found tube plugging job to be done and again hydrotest,6) Cleaning of gasket seating area of tube sheet / shell flange,,7) Boxed up the tube bundle, channel, covers and connected lines with,new gaskets,8) While fixing the new tube bundle if require to grinding or any,modification will be arrange by contractor,9) Testing of floating head covers for leaks after cooling water,circulation,starts,10) After testing the leakage of floating head cover is over, boxing up,of shell cover shall be done.,11) Flange tightening / sequence shall be as per standard.,12) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely,completion of all jobs.,13) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,14) Contractor shall carry out hot tightening wherever temperature is,more than 150 deg. cel.,15) If any bolts requires to be cut that will not be considered as,additional job,16) Scaffolding whevere necessary for the job shall be provided by the,contractor. Scaffolding shall be removed only on total completion,of the job,17) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPCl job coordinator.,18) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components. Cost of lost components /,studs shall be deducted from the contractor's bill.,19) Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator and take,approval before doing the work.,20) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,21) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work,site immediately after completion of work. Housekeeping shall also,be done in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,22) Shifting of exchanger will be arrange by contractor.,DSTL SCOPE OF SUPPLY-,1) Water and Electricity.,2) Permit to carry out the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of</p>	LE
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396	1006631	O&B D2-2104 LUBE OIL COOLER END COVER	<p>SCOPE OF WORK,Open and box up of End Cover of D2-2104 ID FAN Turbine Lube Oil Cooler,for,tube cleaning,Equipment Number: D2-2104,Equipment Name: ID FAN Turbine Lube Oil Cooler,Design Pressure: Shell Side - 150 PSI, Tube side - 150 PSI,Hydrotest Pressure: Shell Side - 225 PSI, Tube side - 225 PSI.,Drawing Number: 6A21A05030,Make: BASCO, TYPE 500 4 Pass Assembly Exchanger,Tube size: 3/8" 24 BWG ; Length: 2 Feet &lt;(&gt;&amp;&lt;)&gt; 6 Inch (750 Mm),Nos. of Tubes: 72,Job involves- ,Channel Cover: OD - 150 mm, Length - 134 mm, Wall thickness - 6 mm -,2nos.,Cover Weight: 10 kg.,Contractor Scope of work,1)Dismantling of channel cover dome / flange, after proper match,marking.,2) Dismantling / blinding of all the connecting lines flanges if,require,3) Cleaning of gasket seating area of tube sheet / shell flange.,4) Cut the gasket,5) Boxed up the channel, covers and connected lines with new gaskets,6) After testing the leakage of floating head cover is over, boxing up,of shell cover shall be done.,7) Flange tightening / sequence shall be as per standard.,8) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely,completion of all jobs.,9) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,10) If any bolts requires to be cut that will not be considered as,additional job,11) Scaffolding wherever necessary for the job shall be provided by the,contractor. Scaffolding shall be removed only on total completion,of the job,12) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPC job coordinator.,13) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components. Cost of lost components /,studs shall be deducted from the contractor's bill.,14) Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator and take,approval before doing the work.,15) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,16) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work,site immediately after completion of work. Housekeeping shall also,be done in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,17) Shifting of exchanger will be arrange by contractor.,DSTL SCOPE OF SUPPLY-,1) Water and Electricity.,2) Permit to carry out the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKING HOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working</p>	EA
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397	1006632	O&B D2-2103 GLAND CONDENSER END COVER	<p>SCOPE OF WORK,Open and box up of End Cover of D2-2103 Gland Condenser for tube,cleaning,Equipment Number: D2-2103,Equipment Name: CT Turbine Galnd Condnsr,Design Pressure: Shell Side - 150 PSI, Tube side - 150 PSI,Hydrotest Pressure: Shell Side - 225 PSI, Tube side - 225 PSI.,Drawing Number: 8A20A05036,Make: BASCO, TYPE 500 U Tube Exchanger,Tube size: 3/8" 24 BWG ; Length: 2 Feet &lt;(&gt;&amp;&lt;)&gt; 6 Inch (750 Mm),Job involves-,Channel Cover: OD - 170 mm, Length - 130 mm, Wall thickness - 6 mm -,1no.,Cover Weight: 8 kg.,Contractor Scope of work,1)Dismantling of channel cover dome / flange, after proper match,marking.,2) Dismanteling / blinding of all the connecting lines flanges if,require,3) Cleaning of gasket seating area of tube sheet / shell flange,,4) Cut the gasket,5) Boxed up the channel, covers and connected lines with new gaskets,6) After testing the leakage of floating head cover is over, boxing up,of shell cover shall be done.,7) Flange tightening / sequence shall be as per standard.,8) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely,completion of all jobs.,9) Contractor shall keep manpower ready for leak attending when the,plant has been started up.,10) If any bolts requires to be cut that will not be considered as,additional job,11) Scaffolding wherever necessary for the job shall be provided by the,contractor. Scaffolding shall be removed only on total completion,of the job,12) Abnormality if any, observed during any stage of the job shall be,immediately brought into the notice of DFPCL job coordinator.,13) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components. Cost of lost components /,studs shall be deducted from the contractor's bill.,14) Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator and take,approval before doing the work.,15) Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,16) Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work,site immediately after completion of work. Housekeeping shall also,be done in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,17) Shifting of exchanger will be arrange by contractor.,DSTL SCOPE OF SUPPLY-,1) Water and Electricity.,2) Permit to carry out the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKING HOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for</p>	EA
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398	1006641	Remove and fixi WNA1/2 pri & sec filters	WNA1/2 primary and secondary filters removal and box up,Size of primary filters - 600mmx600mmx50mm,Size of secondary filters - 610mmx610mmx150mm,Scope of work:.,1) Shifting of 48 primary and 48 secondary filters from store to WNA1/2,plant,2) Remove existing all filters (primary and secondary) of WNA1/2 plant,3) Fixing of all new 48 primary and 48 secondary filters in WNA1/2,plant.,DFPCL scope of supply :-,1) Free Electric power, water and air.,2) Entry gate pass safe work permits,SAFETY PRECAUTIONS :-,1) The contractor shall follow safety rules , regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,2)Thecontractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,3) The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site.,4)No person shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,5) The contractor shall provide personal protective equipment as,specified,Mobilization:-,Job to be stated immediately after clearance from DFPCL coordinator and,job will be carried out 24*7 after DFPCL clrance.	LE
399	1006643	Mdfication in insulation box EGH & Blr	Vendor scope of work:.,1. Shifting of existing insulation box of Expander gas heater and WNA-1,new waster heat boiler for perfect fitment and proposed modification at,site.,2.Shifting of incolloy 800H 3mm plates to vendor workshop for,fabrication.,3. Cutting of new incolloy 800H plates , rolling of plates and fit up,and welding as per proposed modification given by M/s ARVOS designer of,WNA-1 waste heat boiler.,4.This also include modification in new waste heat boiler insulation box,by reducing its OD to 1125 mm from 1137 mm by cutting the plates on out,side and welding new rolled plates to match the OD of 1125mm. also step,height to be reduced to 10mm from earlier height to maintain level below,boiler flange face.and additional3mm thck alloy800H plate ring with,stiffener welding from ID of box to rest expander gas heater insulation,box over it.,5. Modification in EGH insulation box involved reducing the dia of cone,from earlier 1060 mm to 1051 mm with extended length approx 167mm plate,equivalent to overlapping height of EGH straight section and,modification as per drawing.,After welding DP test to be performed for all weld joints.,Passivation to be performed on new plates area.,6.All welding/fabrication consumables,tools <(>&<)> tackles, manpower,,DP test chemicals, passivation chemicals are in vendor scope.,7.Installation of complete insulation box assembly of EGH and Boiler at,site.,STL scope:.,1. provide incolloy 800H 3mm thick plate for modification.,2.Proposed drawing,3.Arranging permit and RGP	LE

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400	1006648	WNA2 EGH removal/shifting & Installation	<p>WNA-2 expander gas heater removal /Shfting and again erection at plant.,Scope of work :-,1. Lifting and shifting of EGH (Wt.- 13.3 Tons) from existing height to,gournd floor by using 20MT HOT.,2. From ground floor by using crane /farhana loading it on trailer.,3.After Repair of EGH, Lifting and shifting of EGH back to plant,location with the help of HOT and Crane &lt;(&gt;&amp;&lt;)&gt; farhana.,5. Again lifting and install EGH at plant.,6. Box up of its all 16"x300#, 18"x300# &lt;(&gt;&amp;&lt;)&gt; 10"x300# and boiler,connection main girth flange with new gaskets.,7. Installation and loading of spring hangers.,8. Normalisation of removed gratings/ chequered plates around the EGH,on converter floor by welding and cutting jobs. or any other support to,18" and 16" flange connection piping.,7. Hot tightening of flange bolts.,8.All tools &lt;(&gt;&amp;&lt;)&gt; tackles, crane, hydra/farhana, competent manpower,are in vendor scope.,DFPCL scope of supply :- 1)Free Electric power, water and air.,SAFETY PRECAUTIONS :- 1) The contractor shall follow safety rules,&lt;(&gt;&amp;&lt;)&gt; regulations, safety procedures as per the safety standards and,comply with the safety requirements.2)Thecontractor is required to,deploy persons for specific jobs who are trained and skilled in,particular trade and well familiar with hazards and safety,precautions.3) The site staff and workers of the contractors are requ,ired to undergo safety orientation before they are assigned work at site. 4)No person shall be allowed at work site without safety,orientation. The contractor shall ensure that any time during the,performance of the work his personnel are fit to execute the tasks,assigned and are not under the influence of any alcoholic liquor, drug,or other intoxicating substances. 5) The contractor shall provide,personal protective equipment as specified,mobilization:- Job to be stated immediately after clearance from DFPCL,coordinator and job will be carried out 24*7 after DFPCL clrance.</p>	EA
401	1006657	Remove and fixing WNA3 pri & sec filters	<p>WNA3 primary and secondary filtres removal and box up,Size of primary filters - 610mmx610mmx300mm,Size of secondary filters - 610mmx610mmx150mm,Scope of work:,1) Shifting of 25 primary and 25 secondary filters from store to WNA3,plant,2) Remove existing all filters (primary and secondary) of WNA3 plant,3) Fixing of all new 25 primary and 25 secondary filters in WNA3 plant.,DFPCL scope of supply :-,1) Free Electric power, water and air.,2) Entry gate pass &lt;(&gt;&amp;&lt;)&gt; safe work permits,SAFETY PRECAUTIONS :-,1) The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,2)Thecontractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,3) The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site.,4)No person shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,5) The contractor shall provide personal protective equipment as,specified,Mobilization:-,Job to be stated immediately after clearance from DFPCL coordinator and,job will be carried out 24*7 after DFPCL clrance.</p>	LE

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402	1006668	OPEN & BOXUP OF D74001 BOILER COVER	<p>SCOPE OF WORK, OPEN &lt;(&gt;&amp;&lt;)&gt; BOXUP OF D74001 BOILER COVER, VENDOR SCOPE OF WORK, D74001 BORSIG BOILER DOME &lt;(&gt;&amp;&lt;)&gt; MH OPENING &lt;(&gt;&amp;&lt;)&gt; BOXUP, A) Dome Size - 1600 mm OD x 300 #, length 514 mm, B) SIDE MANHOLE - 28" OD X 300 #, 1) Opening of channel, channel cover flange, after proper match, marking. Provide any blinds in, connecting lines if required for any job of the equipment., 2) Cleaning of gasket seating area of shell, shell flange, channel, channel cover and all studs/ bolts., 3) Boxing up all the channel/ shell end covers., 4) Cover tightening / sequence shall be as per standard., 5) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely, completion of all jobs., 6) Contractor shall arrange hydra for the job for lifting dome, 7) Contractor shall keep manpower ready for leak attending when the, plant has been started up., 8) If any bolts requires to be cut that will not be considered as, additional job., 9) Scaffolding wherever necessary for the job shall be provided by the, contractor. Scaffolding shall be removed only on total completion of, job, 10) Weld plug if required for any leaky tube., 11) Abnormality if any, observed during any stage of the job shall be, immediately brought into the notice, of DFPC job coordinator., 12) All dismantled spares shall be properly stored, DFPC shall not be, responsible for any loss of, components., 13) Additional work if any required to be done in addition to the given, scope of work, shall be informed, to the job co- ordinator before doing the work., 14) Contractor shall fulfill all the conditions of safety permit and, ensure availability of all necessary PPE's., 15) Contractor shall be responsible for the housekeeping of his, workplaces and shall remove all unwanted, materials from the work site immediately after completion of work., Housekeeping shall also, be done in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy., DSTL SCOPE OF WORK, 1) Shall provide air and power for the job, 2) Shall provide material for the job, SAFETY PRECAUTIONS, The contractor is required to deploy persons for specific jobs who are, trained and skilled in particular trade and well familiar with hazards, and safety precautions., The site staff and workers of the contractors are required to undergo, safety orientation before they are assigned work at site. No person, shall be allowed at work site without safety orientation., The contractor shall ensure that any time during the performance of the, work his personnel are fit to execute the tasks assigned and are not, under the influence of any alcoholic liquor, drug or other intoxicating, substances., "The contractor shall provide personal protective equipment as specified, to it's staff and workmen such as, safety helmets, safety shoes, safety, goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum, boots etc. and other work equipment as required for safe execution of, work at his cost. Special PPEs/ safety appliances, if required for any, job as mentioned below job may be provided by the company, on chargeable / returnable basis (cost of repair or damage as a result, of mishandling will be charged from the contractor).", WORKING HOURS, "Normal working time shall be same as the general shift timing of the, respective sites. This will be 8 working hours excluding lunch time., However based on the job requirement during the planned, /unplanned shutdown/ emergencies or as per plant requirement and, instructions of EIC, contractor shall work beyond normal working hours, also. No separate / additional compensation shall be payable for the, same.", MOBILIZATION, Contractor shall arrange for necessary materials, workmen and, supervision to start the work within 48 hours of instruction from EIC., In case of emergency or shutdown, contractor shall mobilize all required, resources and start the work within 24 hours of instruction of EIC., To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by, contractor. However mobile crane/ tractor, EOT/ HOT facilities, if, required for loading/unloading supply of slings and movement of the, machine at site shall be provided by Company, free of charge. However, actual activities of loading/ unloading, internal</p>	EA
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shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,-----,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card

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403	1006693	O&B THERMAX CHLR D20115 CVR S:1500x800MM	OPEN <(>&<)> BOX UP OF THERMAX CHILLER END COVER,SIZE OF COVER: 1500 MM X 800 MM X 20 MM,SCOPE OF WORK,1. OPEN THE END COVER FOR TUBE CLEANING,2. BOX UP THE COVER AFTER TUBE CLEANING,3. CLEAN THE FACES PROPERLY BEFORE BOX UP THE COVER,4. CLEAN AND GREAS THE BOLTS,5. PROPER GASKET TO BE CUT BY CONTRACTOR,6. SCAFFOLDING TO BE DONE BY CONTRACTOR,DFPCL SCOPE:,1. PROVIDE OF GASKET SHEET,2. PROVIDE OF BOLTS <(>&<)> GREASE	EA
404	1006694	O&B THERMAX CHLR D20115 CVR S:800x500MM	OPEN <(>&<)> BOX UP OF THERMAX CHILLER END COVER,SIZE OF COVER: 800 MM X 500 MM X 20 MM,SCOPE OF WORK,1. OPEN THE END COVER FOR TUBE CLEANING,2. BOX UP THE COVER AFTER TUBE CLEANING,3. CLEAN THE FACES PROPERLY BEFORE BOX UP THE COVER,4. CLEAN AND GREAS THE BOLTS,5. PROPER GASKET TO BE CUT BY CONTRACTOR,6. SCAFFOLDING TO BE DONE BY CONTRACTOR,DFPCL SCOPE:,1. PROVIDE OF GASKET SHEET,2. PROVIDE OF BOLTS <(>&<)> GREASE	EA
405	1006695	O&B VAM CHILLER END CVR S: 1500 x 350MM	OPEN <(>&<)> BOX UP OF VAM CHILLER END COVER,SIZE OF COVER: 1500 MM X 350 MM X 12 MM,SCOPE OF WORK,1. OPEN THE END COVER FOR TUBE CLEANING,2. BOX UP THE COVER AFTER TUBE CLEANING,3. CLEAN THE FACES PROPERLY BEFORE BOX UP THE COVER,4. CLEAN AND GREAS THE BOLTS,5. PROPER GASKET TO BE CUT BY CONTRACTOR,6. SCAFFOLDING TO BE DONE BY CONTRACTOR,DFPCL SCOPE:,1. PROVIDE OF GASKET SHEET,2. PROVIDE OF BOLTS <(>&<)> GREASE	EA
406	1006696	O&B VAM CHILLER END CVR S: 1800 x 350MM	OPEN <(>&<)> BOX UP OF VAM CHILLER END COVER,SIZE OF COVER: 1800 MM X 350 MM X 12 MM,SCOPE OF WORK,1. OPEN THE END COVER FOR TUBE CLEANING,2. BOX UP THE COVER AFTER TUBE CLEANING,3. CLEAN THE FACES PROPERLY BEFORE BOX UP THE COVER,4. CLEAN AND GREAS THE BOLTS,5. PROPER GASKET TO BE CUT BY CONTRACTOR,6. SCAFFOLDING TO BE DONE BY CONTRACTOR,DFPCL SCOPE:,1. PROVIDE OF GASKET SHEET	EA
407	1006697	O&B VAM CHILLER END CVR S: 500 x 400MM	OPEN <(>&<)> BOX UP OF VAM CHILLER END COVER,SIZE OF COVER: 500 MM X 400 MM X 12 MM,SCOPE OF WORK,1. OPEN THE END COVER FOR TUBE CLEANING,2. BOX UP THE COVER AFTER TUBE CLEANING,3. CLEAN THE FACES PROPERLY BEFORE BOX UP THE COVER,4. CLEAN AND GREAS THE BOLTS,5. PROPER GASKET TO BE CUT BY CONTRACTOR,6. SCAFFOLDING TO BE DONE BY CONTRACTOR,DFPCL SCOPE:,1. PROVIISION OF GASKET SHEET.	EA

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408	1006715	Removal & Install D4-0901 A/B/C Motor	<p>SCOPE OF WORK,Removal and installation of the storage compressor motors for PM,MAKE : SIEMENS AG,Type : 1MA-7630-5XZ90-Z ,INSU.CLASS-F,Wattage : 225 KW,62 AMP,Motor Weight: 4710 KG,Location : Storage compressor house in ammonia plant,Application : For Storage compressor (D4-0901 A/B/C),Automising medium: Not applicable,Equipment Tag no: D4-0901,Job involves-,Removal &lt;(&gt;&amp;&lt;)&gt; Installation of motor,Levelling and alignment of Motor,VENDOR SCOPE OF WORK,1) Dismantle the motor coupling,2) Remove all foundation bolts, shims and lift the motor,3) Clean the all the nut bolts &lt;(&gt;&amp;&lt;)&gt; shims,4) Installation of the motor after receiving the motor,5) Align the motor with compressor,6) Coupling to be boxed up,7) Arrangement of crane with all proper certificates for the job.,8)Manpower,supervisors,tools &lt;(&gt;&amp;&lt;)&gt; tackles to facilitate timely,completion,of job.,9) Abnormality if any, observed during any stage of the job shall be,immediately,brought into the notice of DSTL job coordinator.,10) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components.,11) Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator before doing,the work.,12) Contractor shall fulfill all the conditions of safety permit and,ensure availability of,all necessary PPE's.,13) Contractor shall be responsible for the housekeeping of his,workplaces,and shall work.,14) Remove all unwanted materials from the work site immediately after,completion of,Housekeeping shall also be done in between the work to keep the work,area clean.,DSTL Scope of work-,Spares, shims, nut &lt;(&gt;&amp;&lt;)&gt; bolts,power, water and air required for carrying out the job shall be supplied,by DSTL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal</p>	EA
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409	1006717	Rem & Instal D80311 Syn 1st Suc bottle	<p>SCOPE OF WORK,Removal &lt;(&gt;&amp;&lt;)&gt; Install suction bottle of Synthesis 1st stage CES,compressor A &lt;(&gt;&amp;&lt;)&gt; B for Hydro testing,Equipment: Suction Bottle For Synthesis 1st stage Cylinder,Compressor: CES Compressor A &lt;(&gt;&amp;&lt;)&gt; B,Model: 16V275,Stage: Synthesis 1st stage,Nozzle Flange: Inlet - 8" X 300#, Outlet - 10"X 900# , Blind - 2" X,300# -02,Internal Design Pressure: 320 PSIG,Hydrotest Pressure: 480 PSIG,Weight of Suction bottle: 952 Kg,Tag no: D8-0311A/B,Job Involves-,Dismantle of Inlet &lt;(&gt;&amp;&lt;)&gt; Outlet Flanges,Removal &lt;(&gt;&amp;&lt;)&gt; install of Suction bottle,VENDOR SCOPE OF WORK,1) Removal of all nut bolts of bottle to cylinder &lt;(&gt;&amp;&lt;)&gt; Suction line to,bottle,2) Remove the bottle and shift to marked place for hydrotesting,3) Clean the all gasket sealing faces neatly,4) Job to be done on round the clock basis and contractor to arrange for,sufficient,manpower,supervisors,tools &lt;(&gt;&amp;&lt;)&gt; tackles to facilitate timely,completion,of job.,5) Cleaning of all bolts &lt;(&gt;&amp;&lt;)&gt; studs and reuse of the same after apply,of suitable grease,6) Abnormality if any, observed during any stage of the job shall be,immediately,brought into the notice of DSTL job coordinator.,7) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components.,8) After hydrotesting clearance Shifted the suction bottle to compressor,and install.,9) Tightened the bolts properly by provided torque.,10) Additional work if any required to be done in addition to the given,scope of work,,shall be informed to the job co-ordinator before doing the work.,11) Contractor shall fulfill all the conditions of safety permit and,ensure availability of,all necessary PPE's.,12) Contractor shall be responsible for the housekeeping of his,workplaces,and shall work.,13) Remove all unwanted materials from the work site immediately after,completion of,Housekeeping shall also be done in between the work to keep the work,area clean.,DSTL Scope of work- ,Spares,gaskets,replacement of damaged bolts and nuts.,power, water and air required for carrying out the job shall be supplied,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the</p>	EA
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work within 24 hours of instruction of EIC.,To <(><)> fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,-----,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card

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410	1006718	Rem & Instal D80313 Syn 2nd Suc bottle	<p>SCOPE OF WORK,Reemoval &lt;(&gt;&amp;&lt;)&gt; Install suction bottle of Synthesis 2nd stage CES,compressor A &lt;(&gt;&amp;&lt;)&gt; B for Hydro testing,Equipment: Suction Bottle For Synthesis 2nd stage Cylinder,Compressor CES Compressor A &lt;(&gt;&amp;&lt;)&gt; B,Model: 16V275,Stage: Synthesis 2nd stage,Nozzle Flange: Inlet - 6" X 600# RTJ, Outlet - 6"X 1500# Lens,,Blind - 2" X 600# -02,Internal Design Pressure: 812 PSIG,Hydrotest Pressure: 1218 PSIG,Weight of Suction bottle: 1423 Kg,Tag no: D8-0313A/B,Job Involves- ,Dismantle of Inlet &lt;(&gt;&amp;&lt;)&gt; Outlet Flanfes,Removal &lt;(&gt;&amp;&lt;)&gt; install of Suction bottle,VENDOR SCOPE OF WORK,1) Removal of all nut bolts of bottle to cylinde &lt;(&gt;&amp;&lt;)&gt; Suction line to,bottle,2) Remove the bottle and shift to marked place for hydrotesting,3) Clean the all gasket sealing faces neatly,4) Job to be done on round the clock basis and contractor to arrange for,sufficient,manpower,supervisors,tools &lt;(&gt;&amp;&lt;)&gt; tackles to facilitate timely,completion,of job.,5) Cleaning of all bolts &lt;(&gt;&amp;&lt;)&gt; studs and reuse of the same after apply,of suitable grease,6) Abnormality if any, observed during any stage of the job shall be,immediately,brought into the notice of DSTL job coordinator.,7) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components.,8) After hydrotesting clearnce Shifted the suction bottle to compressor,and install.,9) Tightened the bolts properly by provided torque.,10) Additional work if any required to be done in addition to the given,scope of work,,shall be informed to the job co-ordinator before doing the work.,11) Contractor shall fulfill all the conditions of safety permit and,ensure availability of,all necessary PPE's.,12) Contractor shall be responsible for the housekeeping of his,workplaces,and shall work.,13) Remove all unwanted materials from the work site immediately after,completion of,Housekeeping shall also be done in between the work to keep the work,area clean.,DSTL Scope of work- ,Spares,gaskets,replacement of damaged bolts and nuts.,power, water and air required for carrying out the job shall be supplied,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the</p>	EA
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411	1006719	Rem & Instal D80315 Syn 3rd Suc bottle	<p>SCOPE OF WORK,Removal &lt;(&gt;&amp;&lt;)&gt; Install suction bottle of Synthesis 3rd stage CES,compressor A &lt;(&gt;&amp;&lt;)&gt; B for Hydro testing,Equipment: Suction Bottle For Synthesis 3rd stage Cylinder,Compressor CES Compressor A &lt;(&gt;&amp;&lt;)&gt; B,Model: 16V275,Stage: Synthesis 3rd stage,Nozzle Flange: Inlet - 6" X 2500# RTJ, Outlet - 4" Lens,,Blind - 2" X 1500# -02,Internal Design Pressure: 2222 PSIG,Hydrotest Pressure: 3333 PSIG,Weight of Suction bottle: 1923 Kg,Tag no: D8-0315A/B,Job Involves- ,Dismantle of Inlet &lt;(&gt;&amp;&lt;)&gt; Outlet Flanges,Removal &lt;(&gt;&amp;&lt;)&gt; install of Suction bottle,VENDOR SCOPE OF WORK,1) Removal of all nut bolts of bottle to cylinder &lt;(&gt;&amp;&lt;)&gt; Suction line to,bottle,2) Remove the bottle and shift to marked place for hydrotesting,3) Clean the all gasket sealing faces neatly,4) Job to be done on round the clock basis and contractor to arrange for,sufficient,manpower,supervisors,tools &lt;(&gt;&amp;&lt;)&gt; tackles to facilitate timely,completion,of job.,5) Cleaning of all bolts &lt;(&gt;&amp;&lt;)&gt; studs and reuse of the same after apply,of suitable grease,6) Abnormality if any, observed during any stage of the job shall be,immediately,brought into the notice of DSTL job coordinator.,7) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components.,8) After hydrotesting clearance Shifted the suction bottle to compressor,and install.,9) Tightened the bolts properly by provided torque.,10) Additional work if any required to be done in addition to the given,scope of work,,shall be informed to the job co-ordinator before doing the work.,11) Contractor shall fulfill all the conditions of safety permit and,ensure availability of,all necessary PPE's.,12) Contractor shall be responsible for the housekeeping of his,workplaces,and shall work.,13) Remove all unwanted materials from the work site immediately after,completion of,Housekeeping shall also be done in between the work to keep the work,area clean.,DSTL Scope of work- ,Spares,gaskets,replacement of damaged bolts and nuts.,power, water and air required for carrying out the job shall be supplied,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the</p>	EA
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**The participating company's declaration:**

**pg. 297**

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**(Company name, seal and signature of authorized person with Designation)**

work within 24 hours of instruction of EIC.,To <(><)> fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,-----,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card

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***(Company name, seal and signature of authorized person with Designation)***

412	1006720	Rem & Instal D80317 Recycle Suc bottle	<p>SCOPE OF WORK,Removal &lt;(&gt;&amp;&lt;)&gt; Install suction bottle of Recycle stage CES,compressor A &lt;(&gt;&amp;&lt;)&gt; B for Hydro testing,Equipment: Suction Bottle For Recycle stage Cylinder,Compressor CES Compressor A &lt;(&gt;&amp;&lt;)&gt; B,Model: 16V275,Stage: Recycle stage,Nozzle Flange: Inlet - 4" X 2500# RTJ, Outlet - 6" Lens,,Blind - 2" X 2500# -02,Internal Design Pressure: 5200 PSIG,Hydrotest Pressure: 7800 PSIG,Weight of Suction bottle: 4011 Kg,Tag no: D8-0317A/B,Job Involves-,Dismantle of Inlet &lt;(&gt;&amp;&lt;)&gt; Outlet Flanges,Removal &lt;(&gt;&amp;&lt;)&gt; install of Suction bottle,VENDOR SCOPE OF WORK,1) Removal of all nut bolts of bottle to cylinde &lt;(&gt;&amp;&lt;)&gt; Suction line to,bottle,2) Remove the bottle and shift to marked place for hydrotesting,3) Clean the all gasket sealing faces neatly,4) Job to be done on round the clock basis and contractor to arrange for,sufficient,manpower,supervisors,tools &lt;(&gt;&amp;&lt;)&gt; tackles to facilitate timely,completion,of job.,5) Cleaning of all bolts &lt;(&gt;&amp;&lt;)&gt; studs and reuse of the same after apply,of suitable grease,6) Abnormality if any, observed during any stage of the job shall be,immediately,brought into the notice of DSTL job coordinator.,7) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components.,8) After hydrotesting clearnce Shifted the suction bottle to compressor,and install.,9) Tightened the bolts properly by provided torque.,10) Additional work if any required to be done in addition to the given,scope of work,,shall be informed to the job co-ordinator before doing the work.,11) Contractor shall fulfill all the conditions of safety permit and,ensure availability of,all necessary PPE's.,12) Contractor shall be responsible for the housekeeping of his,workplaces,and shall work.,13) Remove all unwanted materials from the work site immediately after,completion of,Housekeeping shall also be done in between the work to keep the work,area clean.,DSTL Scope of work- ,Spares,gaskets,replacement of damaged bolts and nuts.,power, water and air required for carrying out the job shall be supplied,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the</p>	EA
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**pg. 299**

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**(Company name, seal and signature of authorized person with Designation)**

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***pg. 300***

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***(Company name, seal and signature of authorized person with Designation)***

413	1006721	Rem & Instal D81004 Ammonia Suc bottle	<p>SCOPE OF WORK,Removal &lt;(&gt;&amp;&lt;)&gt; Install suction bottle of Ammonia stage CES,compressor A &lt;(&gt;&amp;&lt;)&gt; B for Hydro testing,Equipment: Suction Bottle of Ammonia Stage Cylinder,Compressor CES Compressor A &lt;(&gt;&amp;&lt;)&gt; B,Model: 16V275,Stage: Recycle stage,Nozzle Flange: Inlet - 8" X 300#, Outlet - 14" X 400#,Blind - 2" X 300# -02,Internal Design Pressure: 300 PSIG,Hydrotest Pressure: 450 PSIG,Weight of Suction bottle: 1032 Kg,Tag no: D8-1004A/B,Job Involves-,Dismantle of Inlet &lt;(&gt;&amp;&lt;)&gt; Outlet Flanges,Removal &lt;(&gt;&amp;&lt;)&gt; install of Suction bottle,VENDOR SCOPE OF WORK,1) Removal of all nut bolts of bottle to cylinder &lt;(&gt;&amp;&lt;)&gt; Suction line to,bottle,2) Remove the bottle and shift to marked place for hydrotesting,3) Clean the all gasket sealing faces neatly,4) Job to be done on round the clock basis and contractor to arrange for,sufficient,manpower,supervisors,tools &lt;(&gt;&amp;&lt;)&gt; tackles to facilitate timely,completion,of job.,5) Cleaning of all bolts &lt;(&gt;&amp;&lt;)&gt; studs and reuse of the same after apply,of suitable grease,6) Abnormality if any, observed during any stage of the job shall be,immediately,brought into the notice of DSTL job coordinator.,7) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components.,8) After hydrotesting clearance Shifted the suction bottle to compressor,and install.,9) Tightened the bolts properly by provided torque.,10) Additional work if any required to be done in addition to the given,scope of work,,shall be informed to the job co-ordinator before doing the work.,11) Contractor shall fulfill all the conditions of safety permit and,ensure availability of,all necessary PPE's.,12) Contractor shall be responsible for the housekeeping of his,workplaces,and shall work.,13) Remove all unwanted materials from the work site immediately after,completion of,Housekeeping shall also be done in between the work to keep the work,area clean.,DSTL Scope of work- ,Spares,gaskets,replacement of damaged bolts and nuts.,power, water and air required for carrying out the job shall be supplied,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the</p>	EA
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**pg. 301**

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**(Company name, seal and signature of authorized person with Designation)**

work within 24 hours of instruction of EIC.,To (><)> fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,-----,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card

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***pg. 302***

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***(Company name, seal and signature of authorized person with Designation)***

414	1006722	Rem & Instal D83903 Air 1st Suc bottle	<p>SCOPE OF WORK,Reemoval &lt;(&gt;&amp;&lt;)&gt; Install suction bottle of Air 1st stage CES,compressor A &lt;(&gt;&amp;&lt;)&gt; B for Hydro testing,Equipment: Suction Bottle For Air 1st stage Cylinder,Compressor CES Compressor A &lt;(&gt;&amp;&lt;)&gt; B,Model: 16V275,Stage: Recycle stage,Nozzle Flange: Inlet - 10" X 150#, Outlet - 10"X 150#,,Internal Design Pressure: 75 PSIG,Hydrotest Pressure: 428 PSIG,Weight of Suction bottle: 675 Kg,Tag no: D8-3903A/B,Job Involves-,Dismantle of Inlet &lt;(&gt;&amp;&lt;)&gt; Outlet Flanfes,Removal &lt;(&gt;&amp;&lt;)&gt; install of Suction bottle,VENDOR SCOPE OF WORK,1) Removal of all nut bolts of bottle to cylinde &lt;(&gt;&amp;&lt;)&gt; Suction line to,bottle,2) Remove the bottle and shift to marked place for hydrotesting,3) Clean the all gasket sealing faces neatly,4) Job to be done on round the clock basis and contractor to arrange for,sufficient,manpower,supervisors,tools &lt;(&gt;&amp;&lt;)&gt; tackles to facilitate timely,completion,of job.,5) Cleaning of all bolts &lt;(&gt;&amp;&lt;)&gt; studs and reuse of the same after apply,of suitable grease,6) Abnormality if any, observed during any stage of the job shall be,immediately,brought into the notice of DSTL job coordinator.,7) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components.,8) After hydrotesting clearnce Shifted the suction bottle to compressor,and install.,9) Tightened the bolts properly by provided torque.,10) Additional work if any required to be done in addition to the given,scope of work,,shall be informed to the job co-ordinator before doing the work.,11) Contractor shall fulfill all the conditions of safety permit and,ensure availability of,all necessary PPE's.,12) Contractor shall be responsible for the housekeeping of his,workplaces,and shall work.,13) Remove all unwanted materials from the work site immediately after,completion of,Housekeeping shall also be done in between the work to keep the work,area clean.,DSTL Scope of work-,Spares,gaskets,replacement of damaged bolts and nuts.,power, water and air required for carrying out the job shall be supplied,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor.</p>	EA
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**The participating company's declaration:**

**pg. 303**

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However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the, machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,-----,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card

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***pg. 304***

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415	1006723	Rem & Instal D83905 Air 2nd Suc bottle	<p>SCOPE OF WORK,Reemoval &lt;(&gt;&amp;&lt;)&gt; Install suction bottle of Air 2nd stage CES,compressor A &lt;(&gt;&amp;&lt;)&gt; B for Hydro testing,Equipment: Suction Bottle For Air 2nd stage Cylinder,Compressor CES Compressor A &lt;(&gt;&amp;&lt;)&gt; B,Model: 16V275,Stage: Recycle stage,Nozzle Flange: Inlet - 10" X 150#, Outlet - 14"X 400#,,Internal Design Pressure: 75 PSIG,Hydrotest Pressure: 113 PSIG,Weight of Suction bottle: 839 Kg,Tag no: D8-3905A/B,Job Involves-,Dismantle of Inlet &lt;(&gt;&amp;&lt;)&gt; Outlet Flanfes,Removal &lt;(&gt;&amp;&lt;)&gt; install of Suction bottle,VENDOR SCOPE OF WORK,1) Removal of all nut bolts of bottle to cylinde &lt;(&gt;&amp;&lt;)&gt; Suction line to,bottle,2) Remove the bottle and shift to marked place for hydrotesting,3) Clean the all gasket sealing faces neatly,4) Job to be done on round the clock basis and contractor to arrange for,sufficient,manpower,supervisors,tools &lt;(&gt;&amp;&lt;)&gt; tackles to facilitate timely,completion,of job.,5) Cleaning of all bolts &lt;(&gt;&amp;&lt;)&gt; studs and reuse of the same after apply,of suitable grease,6) Abnormality if any, observed during any stage of the job shall be,immediately,brought into the notice of DSTL job coordinator.,7) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components.,8) After hydrotesting clearnce Shifted the suction bottle to compressor,and install.,9) Tightened the bolts properly by provided torque.,10) Additional work if any required to be done in addition to the given,scope of work,,shall be informed to the job co-ordinator before doing the work.,11) Contractor shall fulfill all the conditions of safety permit and,ensure availability of,all necessary PPE's.,12) Contractor shall be responsible for the housekeeping of his,workplaces,and shall work.,13) Remove all unwanted materials from the work site immediately after,completion of,Housekeeping shall also be done in between the work to keep the work,area clean.,DSTL Scope of work-,Spares,gaskets,replacement of damaged bolts and nuts.,power, water and air required for carrying out the job shall be supplied,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor.</p>	EA
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**pg. 305**

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***(Company name, seal and signature of authorized person with Designation)***

416	1006724	Rem & Instal D83907 Air 3rd Suc bottle	<p>SCOPE OF WORK,Removal &lt;(&gt;&amp;&lt;)&gt; Install suction bottle of Air 3rd stage CES,compressor A &lt;(&gt;&amp;&lt;)&gt; B for Hydro testing,Equipment: Suction Bottle For Air 3rd stage Cylinder,Compressor CES Compressor A &lt;(&gt;&amp;&lt;)&gt; B,Model: 16V275,Stage: Recycle stage,Nozzle Flange: Inlet - 8" X 150#, Outlet - 10"X 600#,Internal Design Pressure: 85 PSIG,Hydrotest Pressure: 203 PSIG,Weight of Suction bottle: 591 Kg,Tag no: D8-3907A/B,Job Involves-,Dismantle of Inlet &lt;(&gt;&amp;&lt;)&gt; Outlet Flanges,Removal &lt;(&gt;&amp;&lt;)&gt; install of Suction bottle,VENDOR SCOPE OF WORK,1) Removal of all nut bolts of bottle to cylinder &lt;(&gt;&amp;&lt;)&gt; Suction line to,bottle,2) Remove the bottle and shift to marked place for hydrotesting,3) Clean the all gasket sealing faces neatly,4) Job to be done on round the clock basis and contractor to arrange for,sufficient,manpower,supervisors,tools &lt;(&gt;&amp;&lt;)&gt; tackles to facilitate timely,completion,of job.,5) Cleaning of all bolts &lt;(&gt;&amp;&lt;)&gt; studs and reuse of the same after apply,of suitable grease,6) Abnormality if any, observed during any stage of the job shall be,immediately,brought into the notice of DSTL job coordinator.,7) All dismantled spares shall be properly stored, DSTL shall not be,responsible for any loss of components.,8) After hydrotesting clearnce Shifted the suction bottle to compressor,and install.,9) Tightened the bolts properly by provided torque.,10) Additional work if any required to be done in addition to the given,scope of work,,shall be informed to the job co-ordinator before doing the work.,11) Contractor shall fulfill all the conditions of safety permit and,ensure availability of,all necessary PPE's.,12) Contractor shall be responsible for the housekeeping of his,workplaces,and shall work.,13) Remove all unwanted materials from the work site immediately after,completion of,Housekeeping shall also be done in between the work to keep the work,area clean.,DSTL Scope of work-,Spares,gaskets,replacement of damaged bolts and nuts.,power, water and air required for carrying out the job shall be supplied,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor.</p>	EA
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However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,-----,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card

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417	1006728	Fab,weld,heat treat Hydrocarb.Sch40pipe	<p>VENDORS SCOPE:-,SCOPE OF WORK,The scope of work shall include arrangement for fab &lt;(&gt;&amp;&lt;)&gt; welding,joint for Pipeline weld joint,of critical Hydrocarbon service with special approved QAP.This include,Preheating,ISR and,Final stress relieving if any.,CONTRACTORS SCOPE OF WORK,i) At pipe grinding &lt;(&gt;&amp;&lt;)&gt; edge preparation as per WPS.,.Carrying out DP after edge preparation.,ii)Fit up to be done &lt;(&gt;&amp;&lt;)&gt; get it inspected if required as per QAP. In,case of,old to new pipe dehydrogenation to be done.,iii) Preheating to be done by coil heating.(Temp: Heating,soking,cooling,rate any,other as per DFPCL inspection department procedure).,iv) Separate thermocouple &lt;(&gt;&amp;&lt;)&gt; recorder to be maintain for heat,process.(Preheat,Interpass,PWHT,SR),v) Interpass temperature to be maintain as per specified celcius.,vi) Tig welding(ER-70S2),viii) During TIG argon Shielding 99.9(8-10 LPM),viii) Preheating of Rod in oven as per WPS.,ix) After Welding Stress relieving to be done with electrical coil as,per WPS (approx 620 degree to 650 degree celcius).,xi) ROOT DP to be done as per QAP.,xi) Final DP to be done as per QAP.,xii) After Final Run RT to be done if required as per QAP.,Xiii) Application of two coats primer / redoxide on the pipe.,xiv) Returning of balance materials to the stores. For mitre fabrication,20% extra will be paid on applicable rate.,xv) Skilled manpower wih approved Welder qualification process welder,should be 6G qualified for Heavy thickness.,xvi)Mechanical supervisor from vender to co-ordinae with engineer.,any other minor related to activity (blinding/flange opening),xviii)Repair if any after RT inspection.,xviii) Follow QAP/WPS of inspection department DFPCL.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender.,2) Any material required for installation informed well in,advance to DSTL will be provided by DSTL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per,the safety standards and comply with the safety requirements.,The contractor is required to deploy persons for specific jobs who are,trained and,skilled in mechanical fabrication activty and well familiar with,hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKING HOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC.,",MOBILIZATION,Contractor shall arrange for necessary Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 1day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization and</p>	IND
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completion of the job including,dismantling, etc. as per EIC instructions.

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418	1006801	Prefabricate CS/LTCS Pipe (GTAW) Sch 40	Prefabrication <(>&<)> welding at vendors workshop outside company,premises.,Fabrication <(>&<)> welding of CS/LTCS pipes (GTAW) Sch40.,The scope include cutting of pipes, edge preparation of the pipes,,making fit up and carrying out welding as per WPS and necessary dressing. Returning of balance materials to User.,All welding consumable, qualified welders, shifting of pipes/ handling,of pipes by hydra or manually within vendors works will be in vendors,scope.,Note: Welding to be performed by qualified welder as per welder,qualification test certified by NABL lab . each and every joints details,record with joint no and welder who performed the weld joint to be,maintained. each and every joint to be 100% DP tested for root and final,weld, 20% joints (As mutually agreed by project incharge and,vendors)radiography to be performed. charges will be paid for DP testing,consumables and Radiography separately based on RM (running meter) and,Inch dia of weld joint respectively.	IND
419	1006802	CS/LTCS pipes (GTAW) sch40 at site	Fabrication <(>&<)> welding of pipes inside company premises 24 hrs,working for jobs,Fabrication <(>&<)> welding of CS/LTCS pipes (GTAW) sch 40,The scope include cutting of pipes, edge preparation of the pipes,,making fit up and carrying out welding as per WPS and necessary dressing. Returning of balance materials to User.,All welding consumable, qualified welders, shifting of pipes/ handling,of pipes by hydra or manually , scaffolding etc are in vendors scope.,Job to be performed 24 hrs basis as per job requirement however no,worker to work more than 16 hrs per day. necessary manpower arrangement,to be done in 2 shift in a day to execute the job within short duration,of project time,Note: Welding to be performed by qualified welder as per welder,qualification test certified by NABL lab . each and every joints details,record with joint no and welder who performed the weld joint to be,maintained. each and every joint to be DP tested for root and final,weld, 20% joints (As mutually agreed by project incharge and,vendors)radiography to be performed. charges will be paid for DP testing,consumables and Radiography separately based on RM (running meter) and,Inch dia of weld joint respectively. Scaffolding charges will be paid,separtely as per actual M3 scaffolding erected at site.	IND
420	1006803	CS/LTCS pipes (GTAW) sch80 at site	Fabrication <(>&<)> welding of pipes inside company premises 24 hrs,working for jobs,Fabrication <(>&<)> welding of CS/LTCS pipes (GTAW) sch 80,The scope include cutting of pipes, edge preparation of the pipes,,making fit up and carrying out welding as per WPS and necessary dressing. Returning of balance materials to User.,All welding consumable, qualified welders, shifting of pipes/ handling,of pipes by hydra or manually , scaffolding etc are in vendors scope.,Job to be performed 24 hrs basis as per job requirement however no,worker to work more than 16 hrs per day. necessary manpower arrangement,to be done in 2 shift in a day to execute the job within short duration,of project time,Note: Welding to be performed by qualified welder as per welder,qualification test certified by NABL lab . each and every joints details,record with joint no and welder who performed the weld joint to be,maintained. each and every joint to be DP tested for root and final,weld, 20% joints (As mutually agreed by project incharge and,vendors)radiography to be performed. charges will be paid for DP testing,consumables and Radiography separately based on RM (running meter) and,Inch dia of weld joint respectively. Scaffolding charges will be paid,separtely as per actual M3 scaffolding erected at site.	IND

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421	1006804	Prefabricate CS/LTCS Pipe (GTAW) Sch 80	<p>Prefabrication &lt;(&gt;&amp;&lt;)&gt; welding at vendors workshop outside company,premises.,Fabrication &lt;(&gt;&amp;&lt;)&gt; welding of CS/LTCS pipes (GTAW) Sch80.,The scope include cutting of pipes, edge preparation of the pipes,,making fit up and carrying out welding as per WPS and necessary dressing. Returning of balance materials to User.,All welding consumable, qualified welders, shifting of pipes/ handling,of pipes by hydra or manually within vendors works will be in vendors,scope.,Note: Welding to be performed by qualified welder as per welder,qualification test certified by NABL lab . each and every joints details,record with joint no and welder who performed the weld joint to be,maintained. each and every joint to be 100% DP tested for root and final,weld, 20% joints (As mutually agreed by project incharge and,vendors)radiography to be performed. charges will be paid for DP testing,consumables and Radiography separately based on RM (running meter) and,Inch dia of weld joint respectively.</p>	IND
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422	1006805	PE 900 OPEN AND BOX UP	<p>open and box up the heat exchanger PE-900 Propane Vaporizer of IPA RGP,Unloading,For Hydrotest &lt;(&gt;&amp;&lt;)&gt; leak arresting.,SCOPE OF WORK,HEAT EXCHANGER DOME OPENING AND BOX UP ACTIVITY.,1) Opening of domes size Dia .650mm .(approx)=1 Number,2) Blinding of exchanger. Shell side 6"x150# 2no , 10"x150# 2No,,2"x300# 2 No,,3"x300# 2 No ,1"x300# 3 Nos,3) Hydro testing arrangement to be made &lt;(&gt;&amp;&lt;)&gt; fixed at the proper,position both side,tube as well as shell.,4) Carryout hydrotest of exchanger.,5) After getting clearance from process dept,all the blinds to be,removed &lt;(&gt;&amp;&lt;)&gt; flanges,to be normalized with new gaskets as well as pipes.,6) All flanges &lt;(&gt;&amp;&lt;)&gt; both side dome cover normalized with new gasket.,7) All kinds of hydro testing arrangements to be removed.,8) Test ring need to be fabricate for Hydrotest as Exchanger Test Ring,is not Available.,9) MS Plate shifting from plant to location.,10) 30 mm MS plate cutting using Gas cutting Set,Grinding,Stud Hole,Machining,will be in vendor scope.,11) Elbow fabrication &lt;(&gt;&amp;&lt;)&gt; Welding for Hydrotest will be in,contractor Scope.,DFPCL SCOPE :;All required gaskets, stud-bolts. Water, power.,6)TIME PERIOD :;6.1 Job to be carried on round the clock basis till the job is completed,and certified by DFPCL.,8) MODE OF QUOTATION :;8.1 Contractor should quote on lumpsum for entire job.,8.2 Contractor should total time duration for execution of job.,SAFETY PRECAUTIONS,i)The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii)Total job (rigging &lt;(&gt;&amp;&lt;)&gt; repalcement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii)The contractor is required to deploy persons for specific jobs who,are trained and skilled in activity and well familiar with hazards and,safety precautions.,iv)The supervisor/staff of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,v)Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKING HOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC,."</p>	EA
423	1006835	MB MANHOLE COVER OPENING & BOX UP	<p>MB MANHOLE COVER OPENING &lt;(&gt;&amp;&lt;)&gt; BOX UP,Vendor Scope,MB MANHOLE COVER OPENING &lt;(&gt;&amp;&lt;)&gt; BOX UP,OPENING OF ASSOCIATED CONNECTED FLANGES &lt;(&gt;&amp;&lt;)&gt; BOX UP,THIS ALSO INVOLVE,CLEANING OF NUT BOLTS,CLEANING OF FLANGE GASKET AREA,CLEANING OF FLANGE &lt;(&gt;&amp;&lt;)&gt; INSTALLATION OF NEW GASKET,BOX UP OF ALL ASSOCIATED FLANGES.,FOLLOW ALL SAFETY PRECAUTIONS</p>	EA

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424	1006868	Erection of Equipment Above 6mtr height	Erection of Equipment Above 6mtr height,1)Equipment Erection (including all types of CS,SS, exotic,GLR,,GRAPHITE, CSPTFE, Non-metalic vessels /,2) exchangers / columns / structural packings for column etc) upto 6 mtr,height.,3) Equipment erection alignment at all level, including,unloading, shifting, erection, alignment testing.,4) All lifting tools and Tackles is in vendor scope	MT
425	1006873	Opening and boxup of manhole upto 500NB	Opening and boxup of manhole upto 500NB,1) Opening of Manhole covers Hand holes refixing.,2) Boxup of flanges with proper Gasket and Stud bolt	IND
426	1006874	Opening and boxup of manhole above 500NB	Opening and boxup of manhole above 500NB,1) Opening of Manhole covers Hand holes refixing.,2) Boxup of flanges with proper Gasket and Stud bolt	IND
427	1007069	HE-95 A Tube Bundle Unloading	HE-95 A Tube Bundle Unloading from Trailor,CONTRACTOR SCOPE OF WORK,Exchanger details:,Equipment Number : HE-95 A Name: Splitter Reboiler,Design Pressure : SHELL :-19.1 BAR TUBE:- 19.1 BAR,Design Temp :- SHELL :- 72Deg Tube:- 94 Deg,Hydrotest Pressure : SHELL :- 26.8 BAR TUBE:- 27.6,BAR,Tube Bundle Weight : 16750 KGS,Dome Weights : 1900 KGS,Total Weight : 20 Ton,Vendor Need to Unload this Exchanger Safely.,Manpower will be in Vendor Scope,Tools tackles are in vendor scope.,DFPCL SCOPE :,2. Crane Hydra,3. Scaffolding,4. Permit, water Air,MODE OF QUOTATION :,8.1 Contractor should quote on lumpsum for entire job.,8.2 Contractor should total time duration for execution of job.,SAFETY PRECAUTIONS,i)The contractor shall follow safety rules regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii)Total job (rigging repalcement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii)The contractor is required to deploy persons for specific jobs who,are trained and skilled in activty and well familiar with hazards and,safety precautions.,iv)The supervisor/staff of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,v)Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKING HOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC,."	EA

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428	1007087	HE-95 A Tube Bundle Replacement	<p>HE-95 A Tube Bundle Replacement &lt;(&gt;&amp;&lt;)&gt; Dome Open-Box up.,CONTRACTOR SCOPE OF WORK,Exchanger details:,Equipment Number : HE-95 A Name: Splitter Reboiler,Design Pressure : SHELL :-19.1 BAR TUBE:- 19.1 BAR,Design Temp :- SHELL :- 72Deg Tube:- 94 Deg,Hydrotest Pressure : SHELL :- 26.8 BAR TUBE:- 27.6,BAR,Tube Bundle Weight : 16750 KGS,Dome Weights : 1900 KGS,Vendor need to open &lt;(&gt;&amp;&lt;)&gt; Blind following flanges:,SHELL INLET : 16"x300# 2 Nos,SHELL OUTLET : 16'x300# 2 Nos,DOMES INLET &lt;(&gt;&amp;&lt;)&gt; OUTLET : 18"x300# 2 Nos,Note: Vendor need to blind all required associated flanges.,1. This requisition requires the Contractor to make arrangement for,Opening &lt;(&gt;&amp;&lt;)&gt; Boxing up of exchanger Domes for,Tube Bundle Replacement activity.,2. Complete Exchanger Open &lt;(&gt;&amp;&lt;)&gt; Box up activity is in Vendor scope.,3. Front Dome &lt;(&gt;&amp;&lt;)&gt; Tube sheet Back side Gasket need to be installed,in proper way &lt;(&gt;&amp;&lt;)&gt; Hydrotest need to be perform,for No leakage from Exchanger.,4. Vendor Need to visit for site Inspection &lt;(&gt;&amp;&lt;)&gt; activity discussion,with DFPCL Engineer.,5. Vendor Need to Brief complete scope for Tube Bundle Replacement.,6. Required all Tools &lt;(&gt;&amp;&lt;)&gt; Tackles along with Form no.11 is in,contractor Scope.,7. After Dome Removal Vendor need to Prepare Pulling arrangement i.e,Jack Bolt,Eye Bolt,Hydraulic jack,,Hydraulic Puller.,8. Vendor need to prepare required structure considering all safety,aspect for Resting of Tube Bundle.,9. Vendor need to Inform in advance for Hydra &lt;(&gt;&amp;&lt;)&gt; Crane requirement,along with it capacity &lt;(&gt;&amp;&lt;)&gt; Numbers.,10. Before removal of Tube Bundle Marking of its Location ,Clit welding,location, Dome Gasket &lt;(&gt;&amp;&lt;)&gt; Tube sheet,gasket Blue matech will be in contractor scope.,11. After tube bundle removal vendor need to clean shell from inside and,its face flange for Proper fitment.,12. After tube Bundle Insertation vendor need to perform Hydrotest for,leak testing.,13. Dome Box up along with all associated flanges need to Box up with,New Gasket.,DFPCL SCOPE :,1. Gasket, Shud bolt , Grease.,2. Crane &lt;(&gt;&amp;&lt;)&gt; Hydra,3. Scaffolding,4. Permit, water &lt;(&gt;&amp;&lt;)&gt; Air,TIME PERIOD : Job to be started imeediately after clearance from,Engineer incharge and finsih within time period by round the clock,working in two shift working manpower.,MODE OF QUOTATION :,8.1 Contractor should quote on lumpsum for entire job.,8.2 Contractor should total time duration for execution of job.,SAFETY PRECAUTIONS,i)The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii)Total job (rigging &lt;(&gt;&amp;&lt;)&gt; repalcement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii)The contractor is required to deploy persons for specific jobs who,are trained and skilled in activty and well familiar with hazards and,safety precautions.,iv)The supervisor/staff of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,v)Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKING HOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned</p>	EA
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shutdown/ emergencies or as per plant requirement and, instructions of EIC,."

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429	1007101	WNA 2 EGH lifting to arrest gasket leak	<p>Expander Gas Heater lifting for leakage arresting in W.N.A-2 PLANT,Scope of work :-,EXPANDER GAS HEATER; WEIGHT :13.75 TON Scope of job is as follows,,Scope of work :-,1) EXPANDER GASHEATER - WASTEHEAT BOILER body flange loosening.,2)Spring support measurement to be taken and nut loosening.,3)Expander gas heater inlet line 16"x300# and TG vent valve /spool piece,10"x300# defanged, supports/grating cutting,4) Lifting of the expander gas heater with main mechanical hoist,5) Cleaning of the gasket face and stud/ nut. Also greasing of all,stud.,6)Removal of cone above waste heat boiler, cleaning and installing it,back.,7)Lifting of expander gas heater to 1mtr above convertor floor,8)Lowering down of the expander gas heater after pneumatic test and,tightening of the connecting flanges including body flange. Spring,supports fixing,9)Tightening of connecting flanges including body flange with new,gaskets &lt;(&gt;&amp;&lt;)&gt; unlocking the bellow. HOT TIGHTENING.,15) Opening and box-up of flange is part of the scope of job.,C) DFPCL's scope of work and supply:,1)Free Electric power, water and air.,Entry gate pass &lt;(&gt;&amp;&lt;)&gt; safe work permits for FMPL representative.,SAFETY PRECAUTIONS :- 1) The contractor shall follow safety rules,&lt;(&gt;&amp;&lt;)&gt; regulations, safety procedures as per the safety standards and,comply with the safety requirements.,2)The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,3) The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site.,4)No person shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,5,) The contractor shall provide personal protective equipment as specified,mobilization:- Job to be stated immediately after clearance from DFPCL,coordinator and job will be carried out 24*7 after DFPCL clearance.</p>	LE
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430	1007110	HE-98 SHELL Load & Unload on Trailor	<p>HE-98 Shell Loading &lt;(&gt;&amp;&lt;)&gt; Unloading on Trailor for Shifting,CONTRACTOR SCOPE OF WORK,Exchanger details:,Equipment Number : HE-98 Name: Splitter Condenser,Design Pressure : SHELL :-19.1 BAR TUBE:- 19.1 BAR,Design Temp :- SHELL :- 72Deg Tube:- 94 Deg,Hydrotest Pressure : SHELL :- 26.8 BAR TUBE:- 27.6,BAR,Shell Weight : 24000 KGS,Exchanger SHELL Loading &lt;(&gt;&amp;&lt;)&gt; Unloading activity need to be carry out,in same day.,Case 1 . Loading Point : DFPCL Complex Unloading Point : Vendor,Workshop,Case 2 . Loading Point : Vendor Workshop Unloading Point : DFPCL,Complex,Vendor Workshop Address : M/S Suman Engg. Services Workshop, Wavanje,village, Taloja MIDC.,Contact no. 9821459521,1. Vendor Need to Visit DFPCL Site &lt;(&gt;&amp;&lt;)&gt; Vendor Workshop site (,Wavanje Village) for Exchanger shell,Inspection &lt;(&gt;&amp;&lt;)&gt; Its Position from where it need to Lift &lt;(&gt;&amp;&lt;)&gt; to,where it need to be kept.,2. Crane will be in Contractor Scope Hence before finalization of crane,he need to show all load chart to,DFPCL Engineer &lt;(&gt;&amp;&lt;)&gt; Safety officer then finalize crane.,3. Vendor Need to mobilize manpower along with crane to Vendor Workshop,( Wavanje village ) for,unloading &lt;(&gt;&amp;&lt;)&gt; Loading as per above Case1 &lt;(&gt;&amp;&lt;)&gt; Case2.,Loading Activity:,1. Vendor Need to arrange skill Rigger &lt;(&gt;&amp;&lt;)&gt; Helper for This Loading,activity.,2. Required PPE need to be Used while Performing Work.,3. All Tool &lt;(&gt;&amp;&lt;)&gt; Tackles will be in Contractor Scope.,4. Lifting Tools Like Slings,D-Shakel,Belts , Chain Block all form 11 is,Mandatory on Site.,5. Crane all statutory document required on site for Checking.(Form 11,,PUC,Licence,Insurance),6. After Loading Locking of Shell will be in Contractor Scope.,Unloading Activity :,1. Vendor Need to arrange skill Rigger &lt;(&gt;&amp;&lt;)&gt; Helper for This UnLoading,activity.,2. Required PPE need to be Used while Performing Work.,3. All Tool &lt;(&gt;&amp;&lt;)&gt; Tackles will be in Contractor Scope.,4. Lifting Tools Like Slings,D-Shakel,Belts , Chain Block all form 11 is,Mandatory on Site.,5. Crane all statutory document required on site for Checking.(Form 11,,PUC,Licence,Insurance),DFPCL SCOPE :.1. Gasket, Shud bolt , Grease.,4. Permit, water &lt;(&gt;&amp;&lt;)&gt; Air,MODE OF QUOTATION :.8.1 Contractor should quote on lumpsum for entire job.,8.2 Contractor should total time duration for execution of job.,SAFETY PRECAUTIONS,i)The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii)Total job (rigging &lt;(&gt;&amp;&lt;)&gt; repalcement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii)The contractor is required to deploy persons for specific jobs who,are trained and skilled in activity and well familiar with hazards and,safety precautions.,iv)The supervisor/staff of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,v)Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKING HOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC,."</p>	EA
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431	1007151	E3707 Evaporator reboiler Replacement	<p>E3707 Evaporator reboiler job in CNA PLANT,Removal of old evaporator reboiler and replacement with new one.,Empty Weight of equipment: 4 ton,Drawing no EPE-332-A1-01,Vendor scope:-,Shifting of new re-boiler to its location by hydra,Cutting and dismantling of side structural supports and top and bottom,platforms and re-fixing after replacement of equipment,Cutting and removing of steam lines (150 mm and 50mm dia),cooling water,line and acid lines and re-fixing them with proper welding including DP,Test,Dismantling and shifting of top elbow type dome size 1150 mm x 610 mm,getting job done and re-fixing the same,Cleaning of top dome repairing of weld joints ,Any modification pipe line to be attend site condition with DP testing,Removing of 4 inch control valve and NRV after re-fixing,Locking of bottom sum flange (1150 mm dia ) with same elevation by,welding ,Cutting and dismantling of west side structural frame for re-boiler as,same to be fixing properly,Removing of Re-boiler by crane and cleaning of bottom sum up to 4 MT,(1150 mm dia 2480 mm long ), Fixing of new Re-boiler as per same position and alignment ,Assembly of top and bottom with new gasket and removal of lock ,shifting of old re-boiler to scrap area.,Hydra and crane required will be in vendor scope.,DFPCL Scope:-,All required permits will be in DFPCL scope,Air, water electricity will be in DFPCL scope.,CONTRACTORS SCOPE:,1) Contractor to maintain its supervisor at site for the job when ever,their activity is in progress.,2) The supervisor shall coordinate with DFPCL engineer for job details,and further problems .,3) Arrange for all the necessary manpower required for the job.,4) Contractor shall arrange all tools (&lt;&gt;) tackles required for job.,Contractor scope,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To (&lt;&gt;) fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions.</p>	EA
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			<p>Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	
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432	1007152	E3711 ejector condensor Replacement	<p>E3711 ejector condensor Replacement job in CNA PLANT,Removal of old ejector condensor and replacement with new one.,Empty Weight of equipment: 0.3 ton,Drawing no EPE-332-A1-02/03,Vendor scope:-,Shifting of new condensor to its location by hydra,Cutting and dismantling of side structural supports and re-fixing after,replacement of equipment,Dismantling of top and bottom nozzles of size 3" by bolts removal,Dismantling of side pipes dia 2" (cooling water inlet and outlet) by,removal of bolts,Any modification pipe line to be attend on site condition with DP,testing,Removing of condensor by crane, Fixing of new condensor as per same position and alignment ,Assembly of top and bottom with new gasket, fix with bolting,shifting of old re-boiler to scrap area.,Hydra and crane required will be in vendor scope.,DFPCL Scope:-,All required permits will be in DFPCL scope,Air, water electricity will be in DFPCL scope.,CONTRACTORS SCOPE:,1) Contractor to maintain its supervisor at site for the job when ever,their activity is in progress.,2) The supervisor shall coordinate with DFPCL engineer for job details,and further problems .,3) Arrange for all the necessary manpower required for the job.,4) Contractor shall arrange all tools &lt;(&gt;&amp;&lt;)&gt; tackles required for job.,Contractor scope,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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433	1007165	BUNKER FEED PIPE REPLACE IN BAGGING	Being for one bunker one Feed pipe length is approx 9 meter and 20 inch,,MOC-SS304,1)New and old Feed pipe shifting in vendor scope.,2) Firstly dismental feed pipe from both end.,3) Remove Old Feed pipe from position.,4) Feed pipe fabricate as per free flow of material.,5) After fabricate the pipe line,line need to connect with both end.,6) After fixing feed pipe one inspection window need to fabricate in,feed line.,7) Full welding <(>&<)> finish grinding will be required for pipe,jointing.,8) Feed pipe will be provide by company.,9)After complete the job old feed pipe shift to scrap yard.,DSTL Scope:,1. DSTL will provide required work permit.,2. DSTL will provide Electrical power free of cost.,3. DSTL will provide Water Free of cost.,4. DSTL will provide necessary scaffold wherever required.	EA
434	1007174	E302 SHELL STRENGTHNING	1.E302 EXCHANGERS SHELL STRENGTHNING TO BE DONE BY PROVIDING EXTRA 8MM,ROLLED PLATE AT THE OURT PHERIFERY OF EXCHANGER,2.CUTTING <(>&<)> GRINDING OF E302 SUPPORT, LEG, PAD ETC,3. CUTTING OF PLATE OF SIZE 1650MM LENGTH x 9IN HEIGHT X 8MM THICKNESS,4. ROLLING OF PLATE INTO 508MM ID CYLINDER,5.CUTTING <(>&<)> WELDING OF ROLLED CYLINDR INTO 2 PARTS AS A PATCH FROM,OUTSIDE PERIFERY OF E302,6.ARGON WELDING TO BE DONE FOR ALL FABRICATION WORK,7.ALL SUPPORTS, PADS, LEG TO BE RESTORED AFTER PATCH WELDING,8. HYDRO TEST TO BE TAKEN AFTER ALL WELDING JOB COMPLITION,Vendor scope:,Competent manpower with tools and tackles for caring out the job,DFPCL scope of supply :- ,SAFETY PRECAUTIONS The contractor shall follow safety rules <(>&<)>,regulations, safety procedures as per the safety standards and comply,with the safety requirements. The contractor is required to deploy,persons for specific jobs who are trained and skilled in particular,trade and well familiar with hazards and safety precautions. The site,staff and workers of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation. The contractor shall,ensure that any time during the performance of the work his personnel,are fit to execute the tasks assigned and are not under the influence of,any alcoholic liquor, drug or other intoxicating substances. The,contractor shall provide personal protective equipment as specified,mobilization:- Job to be stated immediately after clearance from DFPCL,coordinator	EA

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435	1007178	CNA 1/2 28" botom bellow replacement	<p>Column bottom bellow Replacment 28inch in CNA-1/2,Scope of work :-,1. LOCKING OF BELLOW BY WELDING TIE ROD,2. OPENING OF BELLOW FLANGE 28",3. SHIFTING OF BELLOW FROM STORE TO WORK SITE, 4. CUTTING OF EXISTING SS321 BELLOW (4 MM) APPROX 28" DIA, 5. CUTTING OF NEW SS 321 BELLOW (4 MM) ACCORDING TO SAID MEASUREME NT,APPROX 28" DIA., 6. FIT-UP OF NEW BELLOW.,7. ARGON WELDING (32" DIA) OF NEW SS 321 BELLOW (4MM THK ) AND 25" DIA,WELDING FOR MITRE BY USING ER347 FILLER ROD., 8. BOX-UP AND TIGHTENING OF 28" BELLOW FLANGE., 9. MACHINING AND WELDING OF STUB-END FLANGE IF REQUIRED., 10. UNLOCKING OF NEW BELLOW AFTER WELDING, 11. LPI TEST OF WELDING JOINT., 12. SHIFTING OF OLD CUTTED BELOW TO SCRAPYARD AREA.,C) DFPCL's scope of work and supply:.,1)Free Electric power, water and air.,Entry gate pass &lt;(&gt;&amp;&lt;)&gt; safe work permits for FMPL representative.,SAFETY PRECAUTIONS :- 1) The contractor shall follow safety rules,&lt;(&gt;&amp;&lt;)&gt; regulations, safety procedures as per the safety standards and,comply with the safety requirements.,2)The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,3) The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site.,4)No person shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances. 5) The contractor shall provide personal protective,equipment as specified,mobilization:- Job to be stated immediately after clearance from DFPCL,coordinator and job will be carried out 24*7 after DFPCL clearance.</p>	LE
436	1007216	REPLACEMENT OF GAS COOLER BELLOW WNA-4	<p>REPLACEMENT OF GAS COOLER BELLOW IN WNA-4,Scope of work :-,Fabrication of locking fixer for shell both side dia 1880 mm properly,befor cutting,Fabricated fixer welding to additional S S pad plate in the shell ,Cutting of existing bellow 1880 mm dia x 240 mm by grinder and DP,Testing ,cutting and removing of inside R 13 SS plate and fixing of new 1800 mm x,3 mm thick,Cutting of new bellow in 3 pieces as per minimum thick of cutting wheel,and grinding for TIG welding,Fixing and alignment of new bellow as per welding QAP,WPS 1880 mm dia,x 240 mm,After welding DP Testing all joints,Dismantling of fixer and grinding to out side shell ,Hydrotesting of shell side for tube leakages and attending 1880 mm dia x,7290 mm long,Cutting of blinds for isolation , blinding and de-blinding for testing ,DFPCL SCOPE :-,1)Free Electric power, water and air.,SAFETY PRECAUTIONS :- 1) The contractor shall follow safety rules,&lt;(&gt;&amp;&lt;)&gt; regulations, safety procedures as per the safety standards and,comply with the safety requirements.2)Thecontractor is required to,deploy persons for specific jobs who are trained and skilled in,particular trade and well familiar with hazards and safety,precautions.3) The site staff and workers of the contractors are req,uires to undergo safety orientation before they are assigned work at site. 4)No person shall be allowed at work site without safety,orientation. The contractor shall ensure that any time during the,performance of the work his personnel are fit to execute the tasks,assigned and are not under the influence of any alcoholic liquor, drug,or other intoxicating substances. 5) The contractor shall provide,personal protective equipment as specified,mobilization:- Job to be stated immediately after clearance from DFPCL,coordinator and job will be carried out 24*7 after DFPCL clrance.</p>	LE

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437	1007236	FAB,EREC,PAINTING STRUCTURAL SUPPORT	FABRICATION, ERECTION, PAINTING OF STRUCTURAL SUPPORT FOR PIPING,INCLUDING ALL INSERT PLATE, U CLAMP, GI ANCHOR FASTENERS ETC.	KG
438	1007250	Replacment of CNA tank nozzles	Replacment of CNA tank nozzles,Scope of work :-,1) CNA STORAGE TANK EARTHING / PRODUCT LINE / VACUUME NOZZLES,REPLACEMENT,BY CUTTING <(>&<)> ALUMINIUM TIG WELDING,2) MOC : ALUMINIUM 99.97% PURE,3) REMOVAL OF CONNECTED INSTRUMENT /VALVE/PIPELINE,4) REMOVAL OF LEAKY NOZZLE <(>&<)> PAD PLATE BY GRINDING <(>&<)> CUTTING,5) ALL REQUIRED PRE AND POST WELDING HEAT TREATMENT SHOULD BE CARRIED,OUT,6) AL WELDING OF NEW NOZZLE WITH PAD PLATE <(>&<)> DP TESTING,8) SUPPORT FABRICATION AND ERECTION AFTER COMPLETION OF JOB,9) CONSUMABLE FOR WELDING, ROD/ELECTRODE WILL BE in Scope of Vendor,10) PURE ARGON GAS (99.99%) SHALL BE PROVIDED BY DFPCL,11) ALL WELDING ARRANGEMENT TO BE DONE BY VENDOR,12) WELDING QAP TO BE FOLLOWED AS PER PROVIDED BY DFPCL(CES DEPARTMENT),DFPCL scope of supply :- 1)Free Electric power, water and air.,Entry gate pass <(>&<)> safe work permits for FMPL representative.,SAFETY PRECAUTIONS :- 1) The contractor shall follow safety rules,<(>&<)> regulations, safety procedures as per the safety standards and,comply with the safety requirements.2)Thecontractor is required to,deploy persons for specific jobs who are trained and skilled in,particular trade and well familiar with hazards and safety,precautions.3) The site staff and workers of the contractors are req,uired to undergo safety orientation before they are assigned work at site. 4)No person shall be allowed at work site without safety,orientation. The contractor shall ensure that any time during the,performance of the work his personnel are fit to execute the tasks,assigned and are not under the influence of any alcoholic liquor, drug,or other intoxicating substances. 5) The contractor shall provide,personal protective equipment as specified,mobilization:- Job to be stated immediately after clearance from DFPCL,coordinator and job will be carried out 24*7 after DFPCL clarence.	IND
439	1007254	H7106/H7506 elevator Head sproket replac	Dryer exit Elevator Gear box removal and fixing on position.,Activities include in Gear box Removal and Fixing,1)Removal of shrink disc and box up.,2)Removal of fluid coupling and box up.,3)Arrangement of Fabrication for gearbox removal wt.3.5ton,4)Shifting of channel/gas cutting set fabrication material at 9th floor.,5)Removal of Gear box.open top cover , dedusting pipe lines,6)Opening /box up of top cover of elevator for head sprocket segment,and chain inspection.,7) Removal of Old Head sprocket wt 2 tons, by gas cutting 03 nos buckets,and dismantling chain link,lock elevator chan at 8th floor,8)arrangment and Holding chainon 04 chain blocks, capcaity minium 05,tons Each - , elevatorchain and bucket wt. 8 tons approx,removal of Head sproket shaft,9) Shifting of New head sprocket with shaft from stores to NPK ninth,floor, hoist available till 9th floor only,10) Fixing new head sprocket and levelling,11) cleaning of Shaft before fixing gear box,12) Pushing arrangement for gear box mounting on shaft,13) Fixing Gear box arrangement.,14)Alignment of Base frame.,15)Alignment of Gearbox to motor.,16) PPE , TOOL TACKLES in vendor scope,17) hous keping of work place.,18) Shifting old sprocket to ground floor.,STL Scope : 1. Arranging electricity and permit.	EA

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440	1007255	WNA4 gas cooler 2 tube leakage attending	<p>WNA-4 Gas Heater- 2 Hydrotesting and tube leakage to be attended.,Scope of work :-,Opening of tope and bottom man holes 20 inch each and connected lines,and valves in bottom side,Opening of in-let ,out-let flanges 14 inch 4 nos and cutting and fixing,of spades,Removing of 14 inch spool peace and re-fixing ,Hydrotesting of shell side ,cleaning and marking of leakage tube or,tube sheet ,Removing of distribution plate for inlet side and re-fixing as to same ,Attending of tube leakages in side of tope and bottom domes by TIG,welding and DP Testing,Hydrotesting and shell side for inspection of tubes leakages,After clearance de-spading of all connected pipe lines and normalizing ,Assembly of man holes .,DFPCL scope of supply :- 1)Free Electric power, water and air.,SAFETY PRECAUTIONS :- 1) The contractor shall follow safety rules,&lt;(&gt;&amp;&lt;)&gt; regulations, safety procedures as per the safety standards and,comply with the safety requirements.2)Thecontractor is required to,deploy persons for specific jobs who are trained and skilled in,particular trade and well familiar with hazards and safety,precautions.3) The site staff and workers of the contractors are req,uired to undergo safety orientation before they are assigned work at site. 4)No person shall be allowed at work site without safety,orientation. The contractor shall ensure that any time during the,performance of the work his personnel are fit to execute the tasks,assigned and are not under the influence of any alcoholic liquor, drug,or other intoxicating substances. 5) The contractor shall provide,personal protective equipment as specified,mobilization:- Job to be stated immediately after clearance from DFPCL,coordinator and job will be carried out 24*7 after DFPCL clerance.</p>	RM
441	1007256	WNA4 tail gas heater-2 bot.plate replace	<p>WNA-4 Tail Gas Heater- 2 Replacement of bottom Plate,Scope of work :-,Opening of bottom man hole 20 inch ,connected pipe line and valve,Cutting and removing of inside SS diaphragm (fabricated) plated by,grinder,Cutting and removing of 1 inch SS pipe line in side of 20 inch man hole,Grinding and removing of man hole entrance for inspection,Grinding and removing 1 inch pipe and make a bore for new drain nozzle,fixing,Fabrication of SS diaphragm plate as in side manhole ID ,,After attending of leakage fixing and alignment of diaphragm plate and,pipe line,TIG Welding and DP testing as per QAP,Assembly of pipe line and flanges ,DFPCL scope of supply :- 1)Free Electric power, water and air.,SAFETY PRECAUTIONS :- 1) The contractor shall follow safety rules,&lt;(&gt;&amp;&lt;)&gt; regulations, safety procedures as per the safety standards and,comply with the safety requirements.2)Thecontractor is required to,deploy persons for specific jobs who are trained and skilled in,particular trade and well familiar with hazards and safety,precautions.3) The site staff and workers of the contractors are req,uired to undergo safety orientation before they are assigned work at site. 4)No person shall be allowed at work site without safety,orientation. The contractor shall ensure that any time during the,performance of the work his personnel are fit to execute the tasks,assigned and are not under the influence of any alcoholic liquor, drug,or other intoxicating substances. 5) The contractor shall provide,personal protective equipment as specified,mobilization:- Job to be stated immediately after clearance from DFPCL,coordinator and job will be carried out 24*7 after DFPCL clerance.</p>	IND

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442	1007257	Comp K7422 A/B/C air cooler retubing	Retubing of compressor intercooler /after cooler,Detail Scope of work,Pick and drop from STL NPK plant , To and fro transportation,Receipt and unloading of cooler at vendor work Cooler,Removal of Tubes from air,No of tubes : 179,Shell MOC: SA516 Gr 70,Tube length : 1100 MM,Tube OD: 9.55/ ID: 8.5 MM,Tubes MOC: Copper tubes,Fixing new tubes,Expansion of tubes,Hydrotest of Tubes at 5.5 Kg/Cm2 Shell Side ,holding time : 1 hour,type of Cooler: floating tube sheet type,Tubes and Oring in scope of Vendor.,MOC Oring: Silicon,Hydrotest: witness by DFPCL/STL,All Manpower tool/ tackles and vensors scope.,STL scope: 1) Necessary gate pass, 2) Technical data 3) Engineer for,Hydrotest test inspection.	LE
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443	1007270	O&B dome E615& Cut,Weld shell	<p>SCOPE OF WORK,This include facilitation of tube side dome/blind removal &lt;(&gt;&amp;&lt;)&gt;,cutting/welding of shell for facilitation of tube cleaning from both,side .(Note: Currently Process is not getting desired desing,parameter/heat Transfer hence suspecting choking of shell ),Exchanger Details:,Tag No:E615,Drg No:4HE-B--892,Overall length:9922mm,Tube Length:7525mm,No of Tubes:1030 Size:15.875ODx1.65mm Thk,ID:-1026mm,Shell Thk:12mm,Bellow length :-559mm,VENDOR SCOPE :-,1.Vendor need to visit at site to Understand entire job,refer drawing,&lt;(&gt;&amp;&lt;)&gt; plan activity.,2.Submit entire plan and get it approved from DFPCL engineer.,3.Opening of Tube Side for Cleaning,Opening of both end blind 3310 mm cf and marking of tube clearance area,,i)Opening of dish ends/end covers &lt;(&gt;&amp;&lt;)&gt; associated piping. ii),Cleaning of dish end/end covers,&lt;(&gt;&amp;&lt;)&gt; gasket faces. iii) Wire brushing of tubes to full length from,both sides.,iv) After wire brushing inspection shall be done by DFPCL.,v) Hydroblasting of tubes by the other contractor(DFPCL scope),vi) Boxing of all dish ends/end covers by changing the gaskets.,vii) Tightening sequence shall be as per standard TEMA.,viii) Contractor shall contact Job Co-ordinator and physically see the,exchanger.,ix) Contractor shall arrange torsteel rods and all other tools &lt;(&gt;&amp;&lt;)&gt;,tackles.,x) Contractor should keep manpower ready for leakages attending during,plant start-up.,xi) The contractor shall carry out hot tightening wherever temperature,more than 250 degree,4.Cutting of shell, Facilitation of shell side cleaning and again,welding of same.,i)CUTTING AND OPENING OF SHELL SIDE FOR CLEANING AND RE-FIXING OF,E 615 EXCHANGER.,ii)Spading of connected flanges for isolation for hot work.,iii)fabrication of support and locking of bellow 400 mm long four,locations.,iv) After wire brushing inspection shall be done by DFPCL.,Cutting and opening of shell side for cleaning in E 615 exchanger 1,v)Marking of 3400 mm x 400 mm :Qty:4no and 4600 mm x 400 mm:qty:4no,as per tube clearance location as per drawings.,vi)Cutting and opening of shell ensuring tube should not get damage.,vii) In case of shell plate is found to be non-reusable then arrange for,bending of plate from,outside workshop (New plate will be supplied by DFPCL however contractor,has to arrange for,transportation and bending),.viii)After cleaning grinding and fixing of existing shell proper welding,as per QAP and DP testing,(i.e. Preheating with coil and PWHT),ix)Modification of cooling water line 18 inch with arrangement of,flushing.,x)Repairing of cooling water vent line.,xi)Hydrotesting of shell side for attending of tube leakages ,,xii)Attending of tube leakages as per QAP.,xiii)Hydrotesting of shell side for tube inspection ,,4After clearance de spading and normalizing of all flange joints,,assembly of both end blinds.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar,with hazards and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site.,No person shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit,to execute the tasks assigned and are not under the influence of any,alcoholic liquor, drug or other,intoxicating substances.,"The contractor shall provide personal protective equipment as,specified to it's staff and workmen such as, safety helmets, safety,shoes, safety goggles, ear plugs, hand gloves, safety harness / belts,,overalls, gum boots etc. and other work equipment as required for safe,execution of work at his cost. ",WORKING HOURS,Being shutdown job contractor should perform activity on 24x7 basis.,Contractor to arrange required manpower to perfrom activity with no,manpower will stay inside plant more than 12 hours</p>	LE
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**The participating company's declaration:**

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in any,case.Contractor to arrange manpower in shift.Contractor shall arrange,for necessary materials, workmen and supervision to start the work,within 48 hours of instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources and start the,work within 24 hours of instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,GATE PASSES REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE BRINGING ANY,LABOUR,INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI

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444	1007289	E 618 Exchanger Dome covers O&B job	<p>E 618 Exchanger Dome covers O&amp;B job,SCOPE OF WORK,i)Job involve E618TOPPING COLUMN REFLUX CONDENSER, (Methanol Plant)Dome,Open Box up activity.,ii)Opening and removal of end cover domes, Size- 508 O.D. X 8.0 mm thick,x 401 mm long 508 O.D.,X 8.0 mm thick x521 mm Long To facilitate tubes cleaning.,ii)Opening and removal of connecting lines / providing blinds,in connecting lines,if required for the job.,iii)Cleaning of Gasket seating surfaces, studs/ bolts/ nuts.,iv)Boxing up of end covers, normalising of connecting line flanges.,CONTRACTORS SCOPE OF WORK,i)Opening of channel, channel cover dome / flange,after proper match,marking.,ii)Cleaning of gasket seating area of tube sheet, shell flange, channel,,channel cover and all studs/ bolts.,iii)Boxing up all the channel covers, shell covers with new gaskets,except those exchangers having floating head cover.,iv)After testing the leakage of floating head cover (if any )is over,,boxing up of shell cover shall be done.,v)Flange tightening / sequence shall be as per standard.,vi) Provide Scaffolding wherever required for the job.,vii)CAF gaskets wherever required shall be cut by the contractor.,viii) Contractor shall arrange sufficient tools &gt;tackles,for timely completion of all jobs.,ix)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,x)Contractor shall carry out hot tightening wherever temperature is more,than 250 deg. Cel.,xi)If any bolts requires to be cut that will not be,considered as additional job.,xii)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,xiii)Mechanical supervisor from vender to co-ordinae with,DFPCL engineer.,xiv)All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components.,xv)Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator before doing,the work.,xvi)Quantity of job given is tentative and may vary as per DFPCL,requirement, payment shall be done only on the basis of actual job,done.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender.,2) Any material required for installation informed well in advance to,DFPCL will be provided by DFPCL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &gt;regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in mechanical activty and well familiar with,hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC.,,No person is allowed to work beyond 12 hours in routine &gt; 16 hours,in case of extreme urgency.,MOBILIZATION,Contractor shall arrange for necessary</p>	EA
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Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 4day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good,housekeeping at work site.,This should be certify by process shift engineer.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization and completion of the job including,dismantling, etc. as per EIC instructions.,"

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445	1007292	E 619 Exchanger Dome covers O&B job	<p>E 619 Exchanger Dome covers O&amp;B job,SCOPE OF WORK,i)Job involve E618TOPPING COLUMN REFLUX CONDENSER, (Methanol Plant)Dome,Open &amp; Box up activity.,ii)Opening and removal of end cover domes, Size- 508 O.D. X 8.0 mm,thick x 401 mm long &amp; 508 O.D. X 8.0 mm thick x521 mm Long To, facilitate tubes cleaning.,ii)Opening and removal of connecting lines / providing blinds,in connecting lines,if required for the job.,iii)Cleaning of Gasket seating surfaces, studs/ bolts/ nuts.,iv)Boxing up of end covers, normalising of connecting line flanges.,CONTRACTORS SCOPE OF WORK,i)Opening of channel, channel cover dome / flange,after proper match,marking.,ii)Cleaning of gasket seating area of tube sheet, shell flange, channel,,channel cover and all studs/ bolts.,iii)Boxing up all the channel covers, shell covers with new gaskets,except those exchangers having floating head cover.,iv)After testing the leakage of floating head cover (if any )is over,,boxing up of shell cover shall be done.,v)Flange tightening / sequence shall be as per standard.,vi) Provide Scaffolding wherever required for the job.,vii)CAF gaskets wherever required shall be cut by the contractor.,viii) Contractor shall arrange sufficient tools &amp; tackles,for timely completion of all jobs.,ix)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,x)Contractor shall carry out hot tightening wherever temperature is more,than 250 deg. Cel.,xi)If any bolts requires to be cut that will not be,considered as additional job.,xii)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,xiii)Mechanical supervisor from vender to co-ordinae with,DFPCL engineer.,xiv)All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components.,xv)Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator before doing,the work.,xvi)Quantity of job given is tentative and may vary as per DFPCL,requirement, payment shall be done only on the basis of actual job,done.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender.,2) Any material required for installation informed well in advance to,DFPCL will be provided by DFPCL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &amp; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in mechanical activy and well familiar with,hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC.,,No person is allowed to work beyond 12 hours in routine &amp; 16 hours,in case of extreme urgency.,MOBILIZATION,Contractor shall arrange for necessary</p>	LE
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Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 4day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good,housekeeping at work site.,This should be certify by process shift engineer.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization and completion of the job including,dismantling, etc. as per EIC instructions.,"

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446	1007293	E 627 Exchanger Dome covers O&B job	<p>E 627 Exchanger Dome covers O(&gt;&amp;&lt;)B job,SCOPE OF WORK,E627,REFINING COLUMN REFLUX CONDENSER,,1) Opening and boxing up of end cover domes on both ends,,Size:1217 mm O.D. X 12.0 mm thk x 611 mm long (&gt;&amp;&lt;) 1217 O.D.X 12.0 mm,thk,X961 mm Long, To facilitate tubes cleaning.,2) Dismantling of connecting lines / providing blinds in connecting,lines,if required for the job.,3) Cleaning of Gasket seating surfaces, studs/ bolts/ nuts.,4) Boxing up of end covers (&gt;&amp;&lt;) normalising of connecting line,flanges.,CONTRACTORS SCOPE OF WORK,i)Opening of channel, channel cover dome / flange,after proper match,marking.,ii)Cleaning of gasket seating area of tube sheet, shell flange, channel,,channel cover and all studs/ bolts.,iii)Boxing up all the channel covers, shell covers with new gaskets,except those exchangers having floating head cover.,iv)After testing the leakage of floating head cover (if any )is over,,boxing up of shell cover shall be done.,v)Flange tightening / sequence shall be as per standard.,vi) Provide Scaffolding wherever required for the job.,vii)CAF gaskets wherever required shall be cut by the contractor.,viii) Contractor shall arrange sufficient tools (&gt;&amp;&lt;) tackles,for timely completion of all jobs.,ix)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,x)Contractor shall carry out hot tightening wherever temperature is more,than 250 deg. Cel.,xi)If any bolts requires to be cut that will not be,considered as additional job.,xii)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,xiii)Mechanical supervisor from vender to co-ordinae with,DFPCL engineer.,xiv)All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components.,xv)Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator before doing,the work.,xvi)Quantity of job given is tentative and may vary as per DFPCL,requirement, payment shall be done only on the basis of actual job,done.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender.,2) Any material required for installation informed well in advance to,DFPCL will be provided by DFPCL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules (&gt;&amp;&lt;) regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in mechanical activity and well familiar with,hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC.,,No person is allowed to work beyond 12 hours in routine (&gt;&amp;&lt;) 16 hours,in case of extreme urgency.,MOBILIZATION,Contractor shall arrange for necessary</p>	LE
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Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 4day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good,housekeeping at work site.,This should be certify by process shift engineer.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization and completion of the job including,dismantling, etc. as per EIC instructions.,"

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447	1007294	E 624 Exchanger Dome covers O&B job	<p>E 624 Exchanger Dome covers O&lt;(&gt;&amp;&lt;)&gt;B job,SCOPE OF WORK,E624,FINAL PRODUCT COOLER,,1) Opening and boxing up of end cover domes on both ends,,Size:12" X 9.0 mm thick x 400 mm long &lt;(&gt;&amp;&lt;)&gt; 12" X 9.0 mm thick x 450,mm long,To facilitate tubes cleaning.,2)Dismantling of connecting lines / providing blinds in connecting,lines,,if required for the job.,3)Cleaning of Gasket seating surfaces, studs/ bolts/ nuts.,4)Boxing up of end covers domes &lt;(&gt;&amp;&lt;)&gt; normalising of connecting line,flanges.,CONTRACTORS SCOPE OF WORK,i)Opening of channel, channel cover dome / flange,after proper match,marking.,ii)Cleaning of gasket seating area of tube sheet, shell flange, channel,,channel cover and all studs/ bolts.,iii)Boxing up all the channel covers, shell covers with new gaskets,except those exchangers having floating head cover.,iv)After testing the leakage of floating head cover (if any )is over,,boxing up of shell cover shall be done.,v)Flange tightening / sequence shall be as per standard.,vi) Provide Scaffolding wherever required for the job.,vii)CAF gaskets wherever required shall be cut by the contractor.,viii) Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles,for timely completion of all jobs.,ix)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,x)Contractor shall carry out hot tightening wherever temperature is more,than 250 deg. Cel.,xi)If any bolts requires to be cut that will not be,considered as additional job.,xii)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,xiii)Mechanical supervisor from vender to co-ordinae with,DFPCL engineer.,xiv)All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components.,xv)Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator before doing,the work.,xvi)Quantity of job given is tentative and may vary as per DFPCL,requirement, payment shall be done only on the basis of actual job,done.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender.,2) Any material required for installation informed well in advance to,DFPCL will be provided by DFPCL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in mechanical activity and well familiar with,hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC.,,No person is allowed to work beyond 12 hours in routine &lt;(&gt;&amp;&lt;)&gt; 16 hours,in case of extreme urgency.,MOBILIZATION,Contractor shall arrange for necessary</p>	LE
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Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 4day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good,housekeeping at work site.,This should be certify by process shift engineer.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization and completion of the job including,dismantling, etc. as per EIC instructions.,"

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448	1007295	E 634 Exchanger Dome covers O&B job	<p>E 634 Exchanger Dome covers O&amp;B job,SCOPE OF WORK,E 634 A/B ,SYN GAS TURBINE LUBE OIL COOLER,1) Opening and boxing up of end cover domes on both ends, to, facilitate tubes cleaning job.,Size: 355 O.D. X 400 mm long &gt; 355 O.D. X 330 mm long Job also, includes,2) Dismantling of connecting lines / providing blinds in connecting, lines, if required for the job.,3) Cleaning of Gasket seating surfaces, studs/ bolts/ nuts,4) Boxing up of end covers &gt; normalising of connecting line, flanges., CONTRACTORS SCOPE OF WORK,i) Opening of channel, channel cover dome / flange, after proper match, marking., ii) Cleaning of gasket seating area of tube sheet, shell flange, channel,, channel cover and all studs/ bolts., iii) Boxing up all the channel covers, shell covers with new gaskets, except those exchangers having floating head cover., iv) After testing the leakage of floating head cover (if any ) is over,, boxing up of shell cover shall be done., v) Flange tightening / sequence shall be as per standard., vi) Provide Scaffolding wherever required for the job., vii) CAF gaskets wherever required shall be cut by the contractor., viii) Contractor shall arrange sufficient tools &gt; tackles, for timely completion of all jobs., ix) Contractor shall keep manpower ready, round the clock, for attending, flange leak if any, during hydro test / plant start up., x) Contractor shall carry out hot tightening wherever temperature is more, than 250 deg. Cel., xi) If any bolts requires to be cut that will not be, considered as additional job., xii) Contractor shall keep manpower ready, round the clock, for attending, flange leak if any, during hydro test / plant start up., xiii) Mechanical supervisor from vender to co-ordinae with, DFPCL engineer., xiv) All dismantled spares shall be properly stored, DFPCL shall not be, responsible for any loss of components., xv) Additional work if any required to be done in addition to the given, scope of work, shall be informed to the job co-ordinator before doing, the work., xvi) Quantity of job given is tentative and may vary as per DFPCL, requirement, payment shall be done only on the basis of actual job, done., DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender., 2) Any material required for installation informed well in advance to, DFPCL will be provided by DFPCL., SAFETY PRECAUTIONS, The contractor shall follow safety rules &gt; regulations, safety, procedures as per the safety standards and comply with the safety, requirements., The contractor is required to deploy persons for specific jobs who are, trained and skilled in mechanical activity and well familiar with, hazards and safety precautions., The supervisor of the contractors are required to undergo safety, orientation before they are assigned work at site. No person shall be, allowed at work site without safety orientation., Contractor shall ensure that any time during the performance of the work, his personnel are fit to execute the tasks assigned and are not under, the influence of any alcoholic liquor, drug or other intoxicating, substances., "The contractor shall provide personal protective equipment as specified, to it's staff and workmen such as, safety helmets, safety shoes, safety, goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum, boots etc. and other work equipment as required for safe execution of, work at his cost. Special PPEs/ safety appliances, if required for any, job as mentioned below job may be provided by the company, on chargeable / returnable basis (cost of repair or damage as a result, of mishandling will be charged from the contractor).", WORKING HOURS, "Normal working time shall be same as the general shift timing of the, respective sites. This will be 8 working hours excluding lunch time., However based on the job requirement during the planned /unplanned, shutdown/ emergencies or as per plant requirement and instructions of, EIC., No person is allowed to work beyond 12 hours in routine &gt; 16 hours, in case of extreme urgency., MOBILIZATION, Contractor shall arrange for necessary</p>	LE
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449	1007296	E 637 Exchanger Dome covers O&B job	<p>E 637 Exchanger Dome covers O&amp;B job,SCOPE OF WORK,E637 CT TURBINE LUBE OIL COOLER,1) Job Includes- Opening and boxing up of end cover domes on both ends,,to,facilitate tubes cleaning job.,Dome Size:220 O.D.X 300 mm long &lt;&gt; 220 O.D. X 230 mm long.,2) Job also includes – Dismantling of connecting lines / providing,blinds,in connecting lines, if required for the job.,3) Cleaning of Gasket seating surfaces, studs/ bolts/ nuts .,4) Boxing up of end covers &lt;&gt; normalising of connecting line,flanges.,CONTRACTORS SCOPE OF WORK,i)Opening of channel, channel cover dome / flange,after proper match,marking.,ii)Cleaning of gasket seating area of tube sheet, shell flange, channel,,channel cover and all studs/ bolts.,iii)Boxing up all the channel covers, shell covers with new gaskets,except those exchangers having floating head cover.,iv)After testing the leakage of floating head cover (if any )is over,,boxing up of shell cover shall be done.,v)Flange tightening / sequence shall be as per standard.,vi) Provide Scaffolding wherever required for the job.,vii)CAF gaskets wherever required shall be cut by the contractor.,viii) Contractor shall arrange sufficient tools &lt;&gt; tackles,for timely completion of all jobs.,ix)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,x)Contractor shall carry out hot tightening wherever temperature is more,than 250 deg. Cel.,xi)If any bolts requires to be cut that will not be,considered as additional job.,xii)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,xiii)Mechanical supervisor from vender to co-ordinae with,DFPCL engineer.,xiv)All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components.,xv)Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator before doing,the work.,xvi)Quantity of job given is tentative and may vary as per DFPCL,requirement, payment shall be done only on the basis of actual job,done.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender.,2) Any material required for installation informed well in advance to,DFPCL will be provided by DFPCL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in mechanical activity and well familiar with,hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC.,,No person is allowed to work beyond 12 hours in routine &lt;&gt; 16 hours,in case of extreme urgency.,MOBILIZATION,Contractor shall arrange for necessary</p>	LE
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Supervision person to start the,work within 1 dayof instruction from EIC. Incase of emergency or,shutdown, contractor shall mobilize all required resources 4day of,instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good,housekeeping at work site.,This should be certify by process shift engineer.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization and completion of the job including,dismantling, etc. as per EIC instructions.,"

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450	1007297	E 635 Exchanger Dome covers O&B job	<p>E 635 Exchanger Dome covers O&lt;&gt;&amp;&lt;&gt;B job,SCOPE OF WORK,E 635 CT TURBINE SURFACE CONDENSER,1) Opening and boxing up of end cover domes on both ends, to, facilitate tubes cleaning job.,Ends Covers sizes - Dia 1040 x 55 mm Thk &lt;&gt;&amp;&lt;&gt; Dome OD 930 x 500mm,Length.,2) Job also includes – Dismantling of connecting lines / providing,blinds,in connecting lines, if required for the job.,3) Cleaning of Gasket seating surfaces, studs/ bolts/ nuts .,4) Boxing up of end covers &lt;&gt;&amp;&lt;&gt; normalising of connecting line,flanges.,CONTRACTORS SCOPE OF WORK,i)Opening of channel, channel cover dome / flange,after proper match,marking.,ii)Cleaning of gasket seating area of tube sheet, shell flange, channel,,channel cover and all studs/ bolts.,iii)Boxing up all the channel covers, shell covers with new gaskets,except those exchangers having floating head cover.,iv)After testing the leakage of floating head cover (if any )is over,,boxing up of shell cover shall be done.,v)Flange tightening / sequence shall be as per standard.,vi) Provide Scaffolding wherever required for the job.,vii)CAF gaskets wherever required shall be cut by the contractor.,viii) Contractor shall arrange sufficient tools &lt;&gt;&amp;&lt;&gt; tackles,for timely completion of all jobs.,ix)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,x)Contractor shall carry out hot tightening wherever temperature is more,than 250 deg. Cel.,xi)If any bolts requires to be cut that will not be,considered as additional job.,xii)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,xiii)Mechanical supervisor from vender to co-ordinae with,DFPCL engineer.,xiv)All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components.,xv)Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator before doing,the work.,xvi)Quantity of job given is tentative and may vary as per DFPCL,requirement, payment shall be done only on the basis of actual job,done.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender.,2) Any material required for installation informed well in advance to,DFPCL will be provided by DFPCL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;&gt;&amp;&lt;&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in mechanical activity and well familiar with,hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC.,,No person is allowed to work beyond 12 hours in routine &lt;&gt;&amp;&lt;&gt; 16 hours,in case of extreme urgency.,MOBILIZATION,Contractor shall arrange for necessary</p>	LE
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**pg. 341**

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451	1007298	E 632 Exchanger Dome covers O&B job	<p>E 632 Exchanger Dome covers O&amp;B job,SCOPE OF WORK,E 632 SYN GAS TURBINE SURFACE CONDENSER,,1)Opening and boxing up of end cover domes on both ends,,Approx. Size: 1200 O.D. X 630 mm long &lt;&gt; 1200 O.D. X 1300 mm long,,To, facilitate tubes cleaning,,2)Dismantling of connecting lines / providing blinds in connecting,lines,,if required for the job,,3)Cleaning of Gskt sealing surface, cleaning of studs / bolts / nuts.,4)Boxing up of end covers &lt;&gt; normalising of connecting line,flanges.,CONTRACTORS SCOPE OF WORK,i)Opening of channel, channel cover dome / flange,after proper match,marking.,ii)Cleaning of gasket seating area of tube sheet, shell flange, channel,,channel cover and all studs/ bolts.,iii)Boxing up all the channel covers, shell covers with new gaskets,except those exchangers having floating head cover.,iv)After testing the leakage of floating head cover (if any )is over,,boxing up of shell cover shall be done.,v)Flange tightening / sequence shall be as per standard.,vi) Provide Scaffolding wherever required for the job.,vii)CAF gaskets wherever required shall be cut by the contractor.,viii) Contractor shall arrange sufficient tools &lt;&gt; tackles,for timely completion of all jobs.,ix)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,x)Contractor shall carry out hot tightening wherever temperature is more,than 250 deg. Cel.,xi)If any bolts requires to be cut that will not be,considered as additional job.,xii)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,xiii)Mechanical supervisor from vender to co-ordinae with,DFPCL engineer.,xiv)All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components.,xv)Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator before doing,the work.,xvi)Quantity of job given is tentative and may vary as per DFPCL,requirement, payment shall be done only on the basis of actual job,done.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender.,2) Any material required for installation informed well in advance to,DFPCL will be provided by DFPCL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in mechanical activity and well familiar with,hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC.,,No person is allowed to work beyond 12 hours in routine &lt;&gt; 16 hours,in case of extreme urgency.,MOBILIZATION,Contractor shall arrange for necessary</p>	LE
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452	1007299	E 636 Exchanger Dome covers O&B job	<p>E 636 Exchanger Dome covers O&amp;B job,SCOPE OF WORK,E 636 CT TURBINE EJECTOR CONDENSER,Job Includes- Opening and boxing up of end cover domes on both ends, to, facilitate tubes cleaning job.,Size: 265 O.D. X 330 mm long &lt;&gt; 265 O.D. X 330 mm long.,2) Job also includes – Dismantling of connecting lines / providing,blinds,in connecting lines, if required for the job.,3) Cleaning of Gasket seating surfaces, studs/ bolts/ nuts .,4) Boxing up of end covers &lt;&gt; normalising of connecting line,flanges.,CONTRACTORS SCOPE OF WORK,i)Opening of channel, channel cover dome / flange,after proper match,marking.,ii)Cleaning of gasket seating area of tube sheet, shell flange, channel,,channel cover and all studs/ bolts.,iii)Boxing up all the channel covers, shell covers with new gaskets,except those exchangers having floating head cover.,iv)After testing the leakage of floating head cover (if any )is over,,boxing up of shell cover shall be done.,v)Flange tightening / sequence shall be as per standard.,vi) Provide Scaffolding wherever required for the job.,vii)CAF gaskets wherever required shall be cut by the contractor.,viii) Contractor shall arrange sufficient tools &lt;&gt; tackles,for timely completion of all jobs.,ix)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,x)Contractor shall carry out hot tightening wherever temperature is more,than 250 deg. Cel.,xi)If any bolts requires to be cut that will not be,considered as additional job.,xii)Contractor shall keep manpower ready, round the clock, for attending,flange leak if any, during hydro test / plant start up.,xiii)Mechanical supervisor from vender to co-ordinae with,DFPCL engineer.,xiv)All dismantled spares shall be properly stored, DFPCL shall not be,responsible for any loss of components.,xv)Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co-ordinator before doing,the work.,xvi)Quantity of job given is tentative and may vary as per DFPCL,requirement, payment shall be done only on the basis of actual job,done.,DSTL SCOPE OF WORK,1) Permit formality for job execution after job preparation by vender.,2) Any material required for installation informed well in advance to,DFPCL will be provided by DFPCL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in mechanical activity and well familiar with,hazards and safety precautions.,The supervisor of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation.,Contractor shall ensure that any time during the performance of the work,his personnel are fit to execute the tasks assigned and are not under,the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant requirement and instructions of,EIC.,,No person is allowed to work beyond 12 hours in routine &lt;&gt; 16 hours,in case of extreme urgency.,MOBILIZATION,Contractor shall arrange for necessary</p>	LE
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453	1007306	PE-1 O&B and attend Leak and Hydrotest	<p>SCOPE OF WORK,SCOPE OF WORK,(Attending tube leak , without removal,of heat exchanger from locatio),This involve following activity related to PE-1,i) Make necessary activity for Identification &lt;(&gt;&amp;&lt;)&gt; rectification,suspected Tube leak.,ii)Arrangment required for hydrotest of Heat exchanger &lt;(&gt;&amp;&lt;)&gt; perform,same.,iv) Hydrotest by pressurizing shell side.,Contractor has to arrange for following activity.,1)Contractor has to arrange visit of technical personnel at site For,PE-1 (Reactor Feed superheater),2)Study site condition throughly and prepared rigging plant w.r.t.,removal &lt;(&gt;&amp;&lt;)&gt; erection,of Heat exchanger.,Technical Details of Exchanger,Tag No:-PE-1,Reactor Feed Super HEater,Position:Vertical,Total Tube:670no,Size of Tube:1" ODx12BWG wall Thk X 6096mm length,Tube MOC:-A179,Tube sheet(Floating /Stationary) MOC: A105N,Shell plate: Carbon Steel BS 1501 151 28A,Shell Dia:OD 44 3/8",Drawing No (ref):HC56855/3/A1,PE01DG1,Weight Of Heat Exchanger:16.2T,Height:Approx.8.9Meter,Location: West side of IPA reactor,Location from bottom: starting from 3mt (ground level) upto 12mt height,Resting:7mt.(from bottom) on saddle support on beam,3. Submit Hydrotest plan with pre-requisite in details with clarity of,scope,all arrangment for hydrotest will be in contractor scope.,Plugging of leaky tubes.,4)Guide scaffolding supervisor w.r.t. scaffolding erection at site for,sub .activity.,5) Arrangement of sufficient manpower with skilled riggers,for lifting of existing Heat Exchanger(PE-1),in plant from location as per vendor/DFPCL decided,rigging plan.,6)Prior to lifting following activity to be performed.(tentatively,steps),(Attending leak without removal of Heat Exchanger from position),i)Opening of nozzle flanges associated with exchanger,Steam Inlet:6"x300#,Steam Outlet:2"x300#,Water Inlet:2x300#,Water Outlet:2x300#,Process Inlet:12x600#,Process Outlet:12x600#,Disconnect pipe spool piece /hold them in position from shell flanges.,Unbolt &lt;(&gt;&amp;&lt;)&gt; remove pipe bend from upper head.Remove upper head.,Match &lt;(&gt;&amp;&lt;)&gt; mark then Remove/hold bottom inlet &lt;(&gt;&amp;&lt;)&gt; if required,lower it to ground.,Remove bottom 12" inlet flange by first removing split ring.,Remove/loose nut from bellow stud.(Fix bellow position with tie rod),Match &lt;(&gt;&amp;&lt;)&gt; mark flages,unbolt bottom head &lt;(&gt;&amp;&lt;)&gt; lower with bellow,to ground.,Remove floatig head cover &lt;(&gt;&amp;&lt;)&gt; backing ring.,Clamp bottom test rig &lt;(&gt;&amp;&lt;)&gt; test to 41.5kg/cm2 for shell test.,Carry out repair of bottom drain nozzle. .,locate correctly and fit floating head cover(jigs /fixture may be,prepare),Replace bottom 12"flage/split ring &lt;(&gt;&amp;&lt;)&gt; provide blind.Fix top dome,with blind.,Pressure Test tubes to 81kg/cm2 to proove floating head joint.,Remove inlet pipe blind,12" ilet pipe &lt;(&gt;&amp;&lt;)&gt; split ring.,Refit bottom head with and secure bellow nut.,Refit 12" bottom inlet flage &lt;(&gt;&amp;&lt;)&gt; split ring.,Connet to bottom inlet pipe,Deblinding and normalization as per requirement of nozle.,",DFPCL SCOPE OF WORK,1)DFPCL will arrange for necessary permit.,2)Electricity &lt;(&gt;&amp;&lt;)&gt; Water,3)Required hydra and crane,SAFETY PRECAUTIONS,i)The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii)Total job (rigging &lt;(&gt;&amp;&lt;)&gt; repalcement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii)The contractor is required to deploy persons for specific jobs who,are trained and skilled in activty and well familiar with hazards and,safety precautions.,iv)The supervisor/staff of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,v)Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes,</p>	EA
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454	1007311	D7102/7502 MAIN MOTOR REPLACEMENT JOB	<p>D7102/7502 MAIN MOTOR REPLACEMENT JOB, Motor details 425 KW, 4 pole motor., CONTRACTOR'S SCOPE OF SUPPLY : ,1) Immediate deputation of manpower &lt;(&gt;&amp;&lt;)&gt; site supervisor after, confirmation of DSTL Engineer., 2) Removal of Dryer drum Motor from its location &lt;(&gt;&amp;&lt;)&gt; shifting at, desired location for loading in vehicle., 3) Removal of obstacles in path of motor removal either by, welding/cutting/shifting., 4) Complete assistance in de-coupling &lt;(&gt;&amp;&lt;)&gt; coupling of motor., 5) Removal of motor shifting to NPK plant at desired location so as to, couple with dryer drum g/b., 6) Lifting tools and tackles to be arranged accordingly., 7) Welding, drilling, grinding machines and cutting set is to be, arranged., 8) After receiving appropriate motor, the motor which is installed under, modification purpose in order to fulfil the plant need, to be removed, and shift back to Coal Fire boiler plant., 9) Appropriate motor to be fixed in its place., 10) Ensure proper hosekeeping in the work area., 11) Ensure proper hosekeeping in the work area., 12) Work should be executed under complete safety norms with proper PPEs., 13) All tools and tackles to be provided by contractor to carry out the jobs., 14) Jobs to be done as per safety rules &lt;(&gt;&amp;&lt;)&gt; regulation of stl &lt;(&gt;&amp;&lt;)&gt;, all safety appliances to be used to carry out the job., STL SCOPE OF SUPPLY: -, 1-SAFETY PERMIT TO BE PROVIDED BY STL ENGINEER, 2-WATER, ELECTRICITY WILL BE FREE OF COST.</p>	LE
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455	1007321	H 7401 Pulley replacement	<p>All pulley replacement for Recylce conveyor Tag no. H7401,HD pulley Dimensions,Size 600 MM Dia x 1000 MM Width,TAIL Pulley dimensions,Size 407 MM Dia x 1000 MM Width,Snub Pulley Dimensions,Size 324 MM Dia x 1000 MM Width,TAKE UP Pulley dimensions,Size 407 MM Dia x 1000 MM Width,Bend Pulley - 02 nos.Dimensions ( Approx. 250 x1000 MM),Vendor's Scope of Work:,scope of work:,1.Release belt tension and Opening of side covers at head end.,2.Dismatling of drive end drive coupling gurad and coupling.,3.Dismatling of non drive end chain and sprocket for roll brush.,4.Fixing of chain puley block for head pulley removal.,5.Remvoal of Head end pulley and shift to repair area within NPK plant,6.Shifting of head pulley to from deisgnated area t o recylce conveyor,at NPK plant.,7. Place pulley on same position with bearings.,8. Box up drive end coupling , non drive end chain and fix guards.,9. Fix side covers.,10. Normalise belt tension tension.,11. trial run and belt sway adjustment of belt conveyor.,13.Skilled Manpower with competent supervisor should be provided.,DSTL scope:,1) Necessary work permits will be provided.,2) Electrical power, air &lt;(&gt;&amp;&lt;)&gt; water will be free of cost.,3) Spares &lt;(&gt;&amp;&lt;)&gt; Fasteners will be provided.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKING HOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual,DSTL scope:,1) Necessary work permits will be provided.,2) Electrical power, air &lt;(&gt;&amp;&lt;)&gt; water will be free of cost.,3) Spares &lt;(&gt;&amp;&lt;)&gt; Fasteners will be provided.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the</p>	LE
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safety, requirements. The contractor is required to deploy persons for specific jobs who are trained and skilled in particular trade and well familiar with hazards, and safety precautions. The site staff and workers of the contractors are required to undergo safety orientation before they are assigned work at site. No person shall be allowed at work site without safety orientation. The contractor shall ensure that any time during the performance of the work his personnel are fit to execute the tasks assigned and are not, under the influence of any alcoholic liquor, drug or other intoxicating substances. The contractor shall provide personal protective equipment as specified, to its staff and workmen such as, safety helmets, safety shoes, safety goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum boots etc. and other work equipment as required for safe execution of work at his cost. Special PPEs/ safety appliances, if required for any job as mentioned below job may be provided by the company, on chargeable / returnable basis (cost of repair or damage as a result of mishandling will be charged from the contractor). WORKING HOURS, "Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excluding lunch time. However based on the job requirement during the planned, / unplanned shutdown/ emergencies or as per plant requirement and instructions of EIC, contractor shall work beyond normal working hours, also. No separate / additional compensation shall be payable for the same." MOBILIZATION, Contractor shall arrange for necessary materials, workmen and supervision to start the work within 48 hours of instruction from EIC. In case of emergency or shutdown, contractor shall mobilize all required resources and start the work within 24 hours of instruction of EIC. HOUSEKEEPING, It is the responsibility of the contractor to ensure good housekeeping, at work site. The scrap debris, unwanted material etc. shall be removed frequently from the work place to avoid accident and work area shall be kept tidy. Gangways shall be kept clear of obstructions. Contractor shall deploy dedicated personnel for housekeeping. JOB COMPLETION TIME, The total contract duration is as specified in the contract. However for individual works from time to time as and when need arises, separate intimations shall be issued from individual

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456	1007394	O&B MH cover 30 " x 60 mm thk Nh3 tank	<p>O&lt;(&gt;&amp;&lt;)&gt;B of New NH3 tank Roof Manhole,Size 30" x 60 mm Thk,Scope of Work,1) Open bolts and remove manhole cover,2) Clean &lt;(&gt;&amp;&lt;)&gt; grease the cover bolts,3) Clean the manhole cover sealing face,4) After Inspection box up the cover properly with new gasket,DSTL Scope of Work,1) Shall provide cleaning materials, air and gasket for the job,2) Shall provide provide scaffolding if require for the job,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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457	1007402	PE-29 Tubesheet Gasket Replacement	<p>PE-29 Shell to Tubesheet Gasket Replacement.,CONTRACTOR SCOPE OF WORK,1. Contractor Need to Dismantle all flanges associated with Exchanger.,Dome Inlet Size : 12"x150#,Dome Outlet size : 10"x150#,Shell Inlet : 12"x300#,Shell Outlet : 8"x300 #,2. Exchanger Domes removal &lt;(&gt;&amp;&lt;)&gt; Box up in Vendor Scope.,For Dome size Kindly Refer Exchanger drawings,3. Exchanger Lifting &lt;(&gt;&amp;&lt;)&gt; Shifting to Ammonia Plant on trailer for,Tubesheet Pull out activity.,4. Then After Gasket replacement Refixing of TubeBundle into shell.,5. Lifting &lt;(&gt;&amp;&lt;)&gt; Shifting Exchanger to its Existing Location in IPA,plant.,6. All PPE will be in vendor Scope.,7. Exchanger Locking During Shifting will be in vendor scope.,Details of Exchangers:PE-29,Weight of Empty Heat Exchanger:17 Ton(approx),Safety Factor:1.2(for crane lifting) ,Overall length:7.9mt,OD of shell:1.330mt,,DFPCL SCOPE :.,1. Cold Work Permit for loading &lt;(&gt;&amp;&lt;)&gt; Unloading.,2. Crane &lt;(&gt;&amp;&lt;)&gt; Hydra,3. Trailer for shifting,4. Exchanger Drawings,SAFETY PRECAUTIONS,i)The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii)Total job (rigging &lt;(&gt;&amp;&lt;)&gt; replacement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii)The contractor is required to deploy persons for specific jobs who,are trained and skilled in activity and well familiar with hazards and,safety precautions.,iv)The supervisor/staff of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,v)Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKING HOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC,."</p>	LE
458	1007421	Welding of perforated plate to convertor	<p>Vendor scope:,1) Removal of perforated plate from existing convertor cone by cutting,&lt;(&gt;&amp;&lt;)&gt; grinding.,2) Welding of perforated plate along with ring as per instruction of job,coordinator to spare convertor cone,3) DPT of root to be done.,4) Assistance for sandblasting &lt;(&gt;&amp;&lt;)&gt; hydroblasting for shifting,&lt;(&gt;&amp;&lt;)&gt; erection as per requirement.,5) Shifting of convertor cone to desired place as per instruction of Job,coordinator.,Hydra in the scope of contractor.,Size: 764mm OD x 4.8mm thk of perforated plate,Size: 784mm OD x 4.8mm thk of ring,MOC: SS 304L</p>	LE

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459	1007423	E-309 dome opening & box up	<p>E-309 dome opening and box up.,Job description:;1. Opening of E309 heat exchanger dome and dropping it on surface.,;2. Size of dome cover, 44 inch maximum, 02 nos. of dome cover.,;3. Chain block to be used for dropping of dome.,;4. Removal of gasket from dome cover.,;5. Cutting of dome gaskets if required.,;6. Cleaning of dome cover surfaces and bolts.,;7. Box up of dome cover after cleaning of heat exchanger.,;8. If leakage occurs in exchanger then again tightening to be done.,Vendor's scope:;1. Test certificate of chain block &lt;(&gt;&amp;&lt;)&gt; lifting belt to be used is,required.,;2. All the workers are required to follow safety norms.,;3. PPEs like hand gloves, safety shoes, safety goggle etc are mandatory.,;4. Experienced rigger required for job execution.,DFPCL/STL Scope:;1. Issue of permit for job execution.,;2. Nut bolts, gasket sheet if required will be provided.,;3. Scaffolding required for opening of dome.</p>	LE
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460	1007437	NH3 Converter O/L flange leak arresting	<p>NH3 Converter O/L flange leak arresting,Size 8" x 2500 #,Scope of Work,1) Converter O/L flange lines weld joints DP test for any pinhole,2) Converter Outlet flange opening,3) Inspecting old RTJ gasket and flange faces,4) Cleaning flange grooves,5) Boxup of flange with new RTJ gasket,6) Torque tightening of flange at 2000 Ft-lbs,7) Job should be carried out on round the clock basis,8) Vendor should deploy manpower In silent hours during startup for,attending any unforeseen leakage.,DSTL Scope of Work,1) Work permits will be provided by STL,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	EA
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461	1007445	REPARNG INTERCOLR SHELL - IAC-D4-3701B	<p>SCOPE OF WORK,REAPRING OF INTERCOOLER SHELL FOR IAC-D4-3701B,VENDOR SCOPE OF WORK,1. Opening of all connected pipe lines and removing of foundation bolts,of Intercooler,2. Dismantling and shifting of air cooler from NH3 plant to work shop,1800 kg,3. D4 3701 B exchanger 16 inch ,12 inch &lt;(&gt;&amp;&lt;)&gt; 16 inch dais and 3350 mm,long,4. Marking of shell side and cutting and removing of flanges and nozzles,5. Fabrication of shell from as per pipe and making as to same,dimension's,6. Cutting and welding 16 inch x 6 ,3 inch 5 and 24 IND and cleaning of,inside tube bundle ,7. Fixing of fabricated shell in existing exchanger to welding and DP,testing,8. Blinding and hydrotesting of cooler as per standard , de blinding,9. Shifting and erection of cooler and fixing to foundation,10. Assembly of all connected pipe lines.,STL SCOPE OF WORK,1)STL will arrange for necessary permit.,2)Air and power will be provided by STL.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,"The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness / belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost. Special PPEs/ safety appliances, if required for any,job as mentioned below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).",WORKINGHOURS,"Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC, contractor shall work beyond normal working hours,also. No separate / additional compensation shall be payable for the,same.",MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incse of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.,GATE PASSES,-----,REQUIRED GATE PASS MUST BE STRICTLY MADE BEFORE,BRINGING ANY LABOUR</p>	LE
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INSIDE FACTORY PREMISES.,FOLLOWING DOCUMENTS ARE REQUIRED FOR GATE PASS,1. ESIC ALLOTMENT LETTER,2. ESIC TIC CARD,3. Labour Licence (if applicale) for any employee,4. P.F. Code Allotment Letter,5. WORK ORDER / LOI,6. Employment Card / I Card,7. Photo Identity Card

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462	1007543	H7409/7106/7118 HD & TL SPRKT REPLACEMENT	<p>VENDOR SCOPE,1.OPEN BOOT COVERS, TOP COVERS &lt;(&gt;&amp;&lt;)&gt; INSPECTION DOORS AT TOP &lt;(&gt;&amp;&lt;)&gt;,BOTTOM SIDE,2.RELEASE TENSION &lt;(&gt;&amp;&lt;)&gt; OPEN CHAIN LINKS BY GAS CUTTING SET IF,REQUIRED,3.DERAILED/REMOVE THE CHAIN FROM HEAD SPROCKET &lt;(&gt;&amp;&lt;)&gt; TAIL END PULLEY,4.HANG THE CHAIN WITH THE HELP OF 5 TON ( EACH SIDE- 02 nos. )CHAIN,BLOCKS,5.INSPECTION OF CHAIN, CHAIN-COUPLER, BUCKETS ETC. &lt;(&gt;&amp;&lt;)&gt; TO TAKE,CORRECTIVE ACTION AS PER STL INSTRUCTIONS,6.DISMANTLING OF TAIL END PULLEY ASSEMBLY,7.REPLACE OLD TAIL END PULLEY WITH NEW ONE,8.INSTALL BEARING &lt;(&gt;&amp;&lt;)&gt; PLUMMER BLOCK IN PLACE &lt;(&gt;&amp;&lt;)&gt; CENTRE THE,HEAD SPROCKET/TAIL END PULLEY IN THE CASING,10.ALIGN HEAD SPROCKET &lt;(&gt;&amp;&lt;)&gt; TAIL END PULLEY WITH PLUMB &lt;(&gt;&amp;&lt;)&gt; PIANO, WIRE.,11.DIAL GAUGE ALIGNMENT OF HEAD SPROCKET-GEARBOX-MOTOR &lt;(&gt;&amp;&lt;)&gt; CHARGE,OIL IN GEARBOX &lt;(&gt;&amp;&lt;)&gt; LUBRICATE BEARING WITH GREASE,12.TRANSPORTATION OF OLD/NEW TAIL END PULLEY, BUCKETS FROM STORES TO, LOCATION AND VICE A VERSA &lt;(&gt;&amp;&lt;)&gt; ALL WELDING, CONSUMABLE VIZ. PLUMB,,PIANO WIRE &lt;(&gt;&amp;&lt;)&gt; OTHER MATERIAL REQUIRED FOR THE COMPLETION OF JOB,WILL BE IN VENDOR SCOPE,14.ALL LIFTING TOOLS &lt;(&gt;&amp;&lt;)&gt; TACKLES VIZ. CHAIN BLOCKS, LIFTING BELTS,ETC. REQD FOR COMPLETION OF JOB 16 &lt;(&gt;&amp;&lt;)&gt; TO ENSURE COMPLETION OF JOB,WITHIN GIVEN TIMEFRAME AS PER DSTL ENGINEER.,15.COMPLY WITH ALL STANDARDS OTHERWISE APPROPRIATE DEDUCTIONS WILL BE,MADE FROM FINAL BILL &lt;(&gt;&amp;&lt;)&gt; MODIFICATION, FABRICATION &lt;(&gt;&amp;&lt;)&gt;,ASSOCIATED WORK FOR COMPLETION OF JOB,16.ANYTHING NOT SPECIFICALLY MENTIONED &lt;(&gt;&amp;&lt;)&gt; NECESSARY FOR JOB,COMPLETION 20.SUPPLY OF COMPETENT MANPOWER &lt;(&gt;&amp;&lt;)&gt; SKILLED RIGGERS/,SUPERVISOR ETC TO EXECUTE THE JOB SAFELY ,PROVIDE PPES FOR WORKMEN &lt;(&gt;&amp;&lt;)&gt; STAFF,DSTL SCOPE OF SUPPLY:-,1.ELECTRIC POWER, WATER &lt;(&gt;&amp;&lt;)&gt; OTHER UTILITIES AT FREE OF COST.,2.ALL REQUIRED PERMITS TO CARRYOUT THE JOB,JOB CO-ORDINATION:- 1.CONTRACT SUPERVISOR SHOULD MEET IMMEDIATELY TO THE,CONCERNED ENGINEER AFTER RECEIVING THE PURCHASE ORDER/LOI SAFETY:- ,HOUSEKEEPING:- 1.ALL SCRAP MATERIAL SHOULD BE SHIFTED TO SCRAP YARD,IMMEDIATELY AFTER COMPLETION OF JOB 2.ALL AREA NEAR THE JOB CARRIED OUT,SHOULD BE CLEAN 3.VENDOR WILL ENSURE THAT PASSAGES ARE NEVER BLOCKED DUE,TO CONGESTION OF METATERIAL 4.IF ANY OF ABOVE SAFETY OR HOUSEKEEPING POINT,IS NOT FOLLOWED, OR IT IS POINTED OUT, STRICT PENALTY WILL BE LEVIED,UPON THE VENDOR,2.MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS PER,INSTRUCTION OF CONCERNED ENGINEER. 3.JOB SHOULD BE IMMEDIATELY STARTED,AS PER INSTRUCTION OF CONCERNED ENGINEER.,3.COMPLY WITH ALL STATUTORY REGULATIONS LIKE PAYMENT AS PER MINIMUM,WAGES, PF, MAINTAINING REQUISITE RECORDS VIZ. VARIOUS REGISTERS AND,SUBMITTING THE SAME TO P&lt;(&gt;&amp;&lt;)&gt;A DEPT. EVERY MONTH AS WELL AS WHENEVER,COMPLY WITH THE REGULATIONS,APPROPRIATE DEDUCTIONS WILL BE MADE FROM,MONTHLY BILLS,IN ADDITION TO PENALTY DEDUCTIONS 2.ALL PERSONS SHALL WORK,UNDER FULL SAFETY AND PRECAUTIONS BY USING SAFETY HELMETS, SAFETY BELT,,SAFETY SHOES, HAND GLOVES,GOGGLE ETC. AS REQUIRED AND SHOULD FOLLOW,OTHER DSTL'S SAFETY REGULATIONS,3.HOUSEKEEPING:- 1.ALL SCRAP MATERIAL SHOULD BE SHIFTED TO SCRAP YARD,IMMEDIATELY AFTER COMPLETION OF JOB 2.ALL AREA NEAR THE JOB CARRIED OUT,SHOULD BE CLEAN 3.VENDOR WILL ENSURE THAT PASSAGES ARE NEVER BLOCKED DUE,TO CONGESTION OF METATERIAL 4.IF ANY OF ABOVE SAFETY OR HOUSEKEEPING POINT,IS NOT FOLLOWED, OR IT IS POINTED OUT, STRICT PENALTY WILL BE LEVIED,UPON THE VENDOR</p>	EA
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463	1007554	E452 dome open/box up & hydro test	E452 nitric acid heater dome opening <(>&<)> box up.,Vendors Scope:;1. Opening of E452 exchanger domes <(>&<)> dropping it down.,2. Cleaning of dome <(>&<)> exchanger gasket faces,3. Dome size approximately 16 inch. 02 nos. of dome to be removed.,4. Gasket cutting to be done from teflon sheet if required.,5. Hydrotesting of exchanger to be done.,6. Plugging of tube to be done if leakage exists.,7. Plug welding to be done,8. Again hydrotesting to be done after welding of plug to confirm no,leakage.,9. Box up of exchanger with new gasket once no tube leakage is confirmed,10. PVC hand gloves <(>&<)> PVC suit to be arranged by vendor.,11. All required PPEs mentioned in permit to be used while executing,job.,12. Job to be done as per instruction from STL engineer.,STL Scope:;1. Gaskets or PTFE gasket sheet will be provided.,2. Nut bolts if required will be provided.,3. Isolation and flushing of equipment.,4. Permit for carrying out required job.,5. Water <(>&<)> power to be provided by company	LE
464	1007563	Erect piping 0-6 mtr ht. by hydra/crane	Scope of work:;Erection of piping 0-6 mtr height by using hydra <(>&<)> crane.,The scope of job includes for handling of pipes from store to fabricator,shop for prefabrication and from fabricator's workshop to erection site,by using hydra.and erecting the pipes in position with permanent support,which also includes boxing up of flanges and installation of valves, if,any by using hydra or crane required as per site requirement.	INM
465	1007564	Erect pipe 10-40 mtr ht. by hydra/crane	Scope of work:;Erection of piping above 10 to 40 mtr height by using hydra <(>&<)>,crane.,The scope of job includes for handling of pipes from store to fabricator,shop for prefabrication and from fabricator's workshop to erection site,by using hydra.and erecting the pipes in position with permanent support,which also includes boxing up of flanges and installation of valves, if,any by using hydra or crane required as per site requirement.	INM
466	1007565	Erect piping 6-10mtr ht. by hydra/crane	Scope of work:;Erection of piping above 6 to 10 mtr height by using hydra <(>&<)>,crane.,The scope of job includes for handling of pipes from store to fabricator,shop for prefabrication and from fabricator's workshop to erection site,by using hydra.and erecting the pipes in position with permanent support,which also includes boxing up of flanges and installation of valves, if,any by using hydra or crane required as per site requirement.	INM
467	1007580	REPLACEMENT OF AMMONIA DIST. IN WNA 3	REPLACEMENT OF AMMONIA DISTILLER E 4314 IN WNA 3 PLANT,Scope of work:;Dismantling of all connected flanges and foundation bolts,,dismantling and shifting of old distiller in position and shifting of,desired location 900 kg,shifting and erection of new distiller in position , alignment and,fixing of foundation support at right location, modification of pipe line , preheating and SR for ammonia pipe line,modification of nozzle for level gauges and dp testing,any welding as QAP <(>&<)> WPS, after modification hydrotesting in tube,side and shell side	LE

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468	1007644	H7106 Recycle Chain replacement	<p>CHAIN REPLECEMNT H7106 B/E in NPK,1) MAKING PREPRATION WITH REQUIRED TOOLS FOR ELEVATOR CHAIN REPLACEMENT,2) OPENING OF BOTTOM SIDE INSPECTION WINDOW,AND REMOVING TOP COVER,3)ENSURING PROPER CLEANING OF BUCKET ELEVATOR BOOT,4) POSITIONING OF CHAIN PULY BLOCK TO HOLD THE TAIL SPROCKET IN POSITION,5)LOOSENING OF CHAIN TENSION BOLTS .,6) REMOVING OF 2 NOS BUCKET FROM POSITION BY REMOVING BOLTS BY GAS,CUTTING,7) LIFTING OF TAIL SPROCKET UPTO MAXIMUM HEIGHT AS PER AVAILABLE SLOT.,8) CUTTING OF BOTH SIDE CHAIN LINK AND REMOVING LINK FROM POSITION,9) REJOINTING THE NEW CHAIN AGAIN WITH OLD CHAIN,10) CUTTING OF SECOND SIDE CHAIN LINK ALONGWITH BUCKETS AND REMOVING,CHAIN FROM POSITION.,11) REJOINTING THE CHAIN AGAIN WITH NEW SPLIT PINS.,12) FIXING OF BUCKETS WITH NEW BOLTS M12X50MM LONG AND TAG WELDING,13)TOTAL CENTRE DISTANCE BETWEEN HEAD AND TAIL SPROCKET IS MTR 52966,,Total Buckets are 218 Nos ,Chain Links 872 nos.,14) AFTER COMPLETE CHAIN REPLACEMENT SPLIT CHAIN INTO TWO PIECES AT HEAD,SPROCKET,15) DISMANTLING THE HEAD SPROCKET WHICH IS IN 2 HALF BY LOOSENING THE,BOLTS,16) PUTTING THE NEW SPROCKET IN PLACE AND FIXING WITH PROPER BOLTS,17) REPOSITIONING THE CHAIN ON NEW SPROCKET BY CONNECTING CHAIN LINKS,18) CHECK FREE ROTATION OF THE CHAIN BY MANUALLY ROTATING THE HEAD,SHAFT.,19) TRIAL RUN OF THE ELEVATOR &lt;(&gt;&amp;&lt;)&gt; BOXING UP THE INSPECTION COVERS,20) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK,1) PROPER CLEANING OF BUCKET ELEVATOR BOOT BEFORE JOB START UP.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY SAFETY,SAFETY PRECAUTIONS The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt;,regulations, safety procedures as per the safety standards and comply,with the safety requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with,hazards and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site.,No person shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned,are not under the influence of any alcoholic liquor, drug or other,intoxicating substances.,The contractor shall provide personal protective equipment as specified</p>	EA
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469	1007645	CHAIN REPLECEMNT H7118 B/E in NPK	<p>CHAIN REPLECEMNT H7118 B/E in NPK,1) MAKING PREPRATION WITH REQUIRED TOOLS FOR ELEVATOR CHAIN REPLACEMENT,2) OPENING OF BOTTOM SIDE INSPECTION WINDOW,AND REMOVING TOP COVER,3)ENSURING PROPER CLEANING OF BUCKET ELEVATOR BOOT,4) POSITIONING OF CHAIN PULY BLOCK TO HOLD THE TAIL SPROCKET IN POSITION,5)LOOSENING OF CHAIN TENSION BOLTS .,6) REMOVING OF 2 NOS BUCKET FROM POSITION BY REMOVING BOLTS BY GAS,CUTTING,7) LIFTING OF TAIL SPROCKET UPTO MAXIMUM HEIGHT AS PER AVAILABLE SLOT.,8) CUTTING OF BOTH SIDE CHAIN LINK AND REMOVING LINK FROM POSITION,9) REJOINTING THE NEW CHAIN AGAIN WITH OLD CHAIN,10) CUTTING OF SECOND SIDE CHAIN LINK ALONGWITH BUCKETS AND REMOVING,CHAIN FROM POSITION.,11) REJOINTING THE CHAIN AGAIN WITH NEW SPLIT PINS.,12) FIXING OF BUCKETS WITH NEW BOLTS M12X50MM LONG AND TAG WELDING,13)TOTAL CENTRE DISTANCE BETWEEN HEAD AND TAIL SPROCKET IS MTR 31966,,Total Buckets are 134 Nos ,Chain Links 548 nos.,14) AFTER COMPLETE CHAIN REPLACEMENT SPLIT CHAIN INTO TWO PIECES AT HEAD,SPROCKET,15) DISMANTLING THE HEAD SPROCKET WHICH IS IN 2 HALF BY LOOSENING THE,BOLTS,16) PUTTING THE NEW SPROCKET IN PLACE AND FIXING WITH PROPER BOLTS,17) REPOSITIONING THE CHAIN ON NEW SPROCKET BY CONNECTING CHAIN LINKS,18) CHECK FREE ROTATION OF THE CHAIN BY MANUALLY ROTATING THE HEAD,SHAFT.,19) TRIAL RUN OF THE ELEVATOR &lt;(&gt;&amp;&lt;)&gt; BOXING UP THE INSPECTION COVERS,20) JOB HAS TO BE DONE ROUND THE CLOCK BASIS,DSTL SCOPE OF WORK 1) PROPER CLEANING OF BUCKET ELEVATOR BOOT BEFORE,JOB START UP.,2) ISSUING COLD/HOT WORK PERMIT AS PER JOB REQUIREMENT,3)FREE SUPPLY OF AIR /WATER/ELECTRICITY SAFETY,SAFETY PRECAUTIONS The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt;,regulations, safety procedures as per the safety standards and comply,with the safety requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with,hazards and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site.,No person shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned,are not under the influence of any alcoholic liquor, drug or other,intoxicating substances.,The contractor shall provide personal protective equipment as specified</p>	EA
470	1007658	D7102/7502 CHAIR PAD REPLACEMENT	<p>D7102/7502 CHAIR PAD REPLACEMENT,Chair Pad- Qty -10 nos.,Chair Pad Dimensions : 30x270x400 (01 Nos)&lt;(&gt;&amp;&lt;)&gt; 20x142x400 (02 Nos) -,Total 10 Nos.,Scope of Work for Vendor:,1) Replacement of Girth gear Chair pads at Girth gear,2) Cutting of chair Pad at Girth gear total ( 10 nos. Of Chair pad),3) Removal Of Guards for jobs will be done as per STL Engineer,4) shifting of Chair pads at location for replacement with existing,chair pad &lt;(&gt;&amp;&lt;)&gt; Shell Details : 3840 OD &lt;(&gt;&amp;&lt;)&gt; A 516 Gr 70 Material,5) Gouging of old pads its removal,6) Grinding of old Chair pads portion,7) Marking of new Chair pads at all locations as per existing pads,8) positioning of new Chair Pads &lt;(&gt;&amp;&lt;)&gt; tack welded.,9) Welding of chir pad as per Welding procedure given by STL Engineer at,all points,10) Assistance for Alignment ie. Welding of jacking arrangement for,Girth gear Alignment .,11) Rigging gang to be Available at the time of Alignment for neccessary,adjustment.,12) All the Fabrication Jobs for Alignment as per STL Engineer.,13) Girth gear &lt;(&gt;&amp;&lt;)&gt; Pinion alignment by rotation,14) Tools &lt;(&gt;&amp;&lt;)&gt; tackles in vendor's scope.,15) Removal Of Guards for jobs will be done as per STL Engineer,STL'S scope,1) Necessary permit for execution of job.,2) All Fastners &lt;(&gt;&amp;&lt;)&gt; Chair pads will be supplied by STI,3) Scaf-Folding will be in STL scope</p>	LE

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471	1007679	REPLACE OF E 4324 WNA 3 ABS. CHILLER	<p>SCOPE OF WORK --- REPLACEMENT OF E 4324 ABSORBER FOR WNA 3 CHILLER,Scope of work :- ,TOPE DOME 1000 mm NOZILE 3 INCH x 4 EACH 6 INCH , 0.5 &lt;(&gt;&amp;&lt;)&gt; 1 INCH,CUTTING PIPE LINES FOR LIFTING OF ABSORBER BY CRANE,OPENING OF CONNECTED PIPE LINE 12 INCH 2 EACH AND 4 INCH,CUTTING AND REMOVING OF TWO SIDE STUCTURE SUPPORT FOR LIFTING CLEARENCE,DISMANTLING OF ABSORBER 1000 MM DIA 7450 MM LONG APPORX WEIGHT 4800 KG.,MODIFICATION BASE FRAME AND GRATING SECTION FOR MAINTAENANCE WORK,ERECTION OF NEW ABSORBER IN SAME POSITION AND ALIGNMENT ,.MODIFICATION OF 12 INCH PIPE LINE AND BOTTOME 4 INCH PIPE LINE.,ALL PIPE LINE CONNECTED PROPERLY, ANY MODIFICATION WILL INCLUDE SAME W.O,NH3 LINE WILL PREHEATING AS PER QAP , ALL WELDING JOINTS WILL BE DP,TEST.,ANY NOZZLE , HAND HOLE AND DOME OPENING FOR INSPECTION PURPOSE WILL,DO SAME W.O,UNLOADING , SHIFTING ,HYDRA AND CRANE WILL VENDER SCOPE,Vendor Scope:-,1)Competent Manpower is in vendor scope.,2) Vendor Manpower will be work on 8 hrs shift basis .,3) Crane and Hydra required will be DFPC scope.,DFPC scope:-,1)All required Material is in DFPC scope,"Safety precautions:-,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and,skilled in particular trade and well familiar with hazards and safety,precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute,the tasks assigned and are not under the influence of any alcoholic,liquor, drug or other intoxicating substances.,The contractor shall provide personal protective equipment as specified,to it's staff and workmen such as, safety helmets, safety shoes, safety,goggles, ear plugs, hand gloves, safety harness /belts, overalls, gum,boots etc. and other work equipment as required for safe execution of,work at his cost.,Special PPEs/ safety appliances, if required for any job as mentioned,below job may be provided by the company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites.,This will be 8 working hours excluding lunch time.,""However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement""and instructions of EIC, contractor shall work beyond normal working, hours also.,No separate / additional compensation shall be payable for the same.,MOBILIZATION,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the Employee and equipment along,accommodation will be arranged by contractor.,However mobile crane/tractor, EOT/ HOT facilities, if required for,loading/unloading supply of slings and,movement of the machine at site shall be provided by Company, free of,charge. However actual activities of,loading/ unloading, internal shifting of machines shall have to be done,by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site.,The scrap debris, unwanted material etc. shall be removed frequently,from the work place to avoid accident,and work area shall be kept tidy.Gangways shall be kept clear of,obstructions."</p>	LE
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472	1007810	650 MM PRIMARY SCRAPPER REPLACEMENT	650 MM CONVEYOR PRIMARY SCRAPPER REMOVAL AND FIXING,Activities include in Primary scrapper removal and fixing,1)Removal of all bolts of primary scrapper by grinding/gas cutting.,2)Check the dimensions before primary scrapper removal.,3)Removal of primary scrapper with safely and shifting at scrap yard.,4)New primary scrapper dimension to be taken along with dstl engineer.,5)New primary scrapper to be fix along with dstl engineer supervision.,6)Proper tensioning to be given to scrapper as per dstl engineer,instruction,7)Trial to be taken of scrapper.,8)During job all workers should be in PPE.No any bypass safety.,STL Scope : 1. Arranging electricity and permit.2.Arrange hoist/lift for,shifting tools/material.	EA
473	1007811	800 MM PRIMARY SCRAPPER REPLACEMENT	800 MM CONVEYOR PRIMARY SCRAPPER REMOVAL AND FIXING,Activities include in Primary scrapper removal and fixing,1)Removal of all bolts of primary scrapper by grinding/gas cutting.,2)Check the dimensions before primary scrapper removal.,3)Removal of primary scrapper with safely and shifting at scrap yard.,4)New primary scrapper dimension to be taken along with dstl engineer.,5)New primary scrapper to be fix along with dstl engineer supervision.,6)Proper tensioning to be given to scrapper as per dstl engineer,instruction,7)Trial to be taken of scrapper.,8)During job all workers should be in PPE.No any bypass safety.,STL Scope : 1. Arranging electricity and permit.2.Arrange hoist/lift for,shifting tools/material .	EA
474	1007812	1000 MM PRIMARY SCRAPPER REPLACEMENT	1000MM CONVEYOR PRIMARY SCRAPPER REMOVAL AND FIXING,Activities include in Primary scrapper removal and fixing,1)Removal of all bolts of primary scrapper by grinding/gas cutting.,2)Check the dimensions before primary scrapper removal.,3)Removal of primary scrapper with safely and shifting at scrap yard.,4)New primary scrapper dimension to be taken along with dstl engineer.,5)New primary scrapper to be fix along with dstl engineer supervision.,6)Proper tensioning to be given to scrapper as per dstl engineer,instruction,7)Trial to be taken of scrapper.,8)During job all workers should be in PPE.No any bypass safety.,STL Scope : 1. Arranging electricity and permit.2.Arrange hoist/lift for,shifting tools/material.	EA
475	1007813	1200 MM PRIMARY SCRAPPER REPLACEMENT	1200MM CONVEYOR PRIMARY SCRAPPER REMOVAL AND FIXING,Activities include in Primary scrapper removal and fixing,1)Removal of all bolts of primary scrapper by grinding/gas cutting.,2)Check the dimensions before primary scrapper removal.,3)Removal of primary scrapper with safely and shifting at scrap yard.,4)New primary scrapper dimension to be taken along with dstl engineer.,5)New primary scrapper to be fix along with dstl engineer supervision.,6)Proper tensioning to be given to scrapper as per dstl engineer,instruction,7)Trial to be taken of scrapper.,8)During job all workers should be in PPE.No any bypass safety.,STL Scope : 1. Arranging electricity and permit.2.Arrange hoist/lift for,shifting tools/material.	EA
476	1007814	1600 MM PRIMARY SCRAPPER REPLACEMENT	1600MM CONVEYOR PRIMARY SCRAPPER REMOVAL AND FIXING,Activities include in Primary scrapper removal and fixing,1)Removal of all bolts of primary scrapper by grinding/gas cutting.,2)Check the dimensions before primary scrapper removal.,3)Removal of primary scrapper with safely and shifting at scrap yard.,4)New primary scrapper dimension to be taken along with dstl engineer.,5)New primary scrapper to be fix along with dstl engineer supervision.,6)Proper tensioning to be given to scrapper as per dstl engineer,instruction,7)Trial to be taken of scrapper.,8)During job all workers should be in PPE.No any bypass safety.,STL Scope : 1. Arranging electricity and permit.2.Arrange hoist/lift for,shifting tools/material .	EA

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477	1007815	650 MM SECONDARY SCRAPPER REPLACEMENT	650 MM CONVEYOR SECONDARY SCRAPPER REMOVAL AND FIXING,Activities include in Secondary scrapper removal and fixing,1)Removal of all bolts of secondary scrapper by grinding/gas cutting.,2)Check the dimensions before secondary scrapper removal.,3)Removal of secondary scrapper with safely and shifting at scrap yard.,4)New secondary scrapper dimension to be taken along with dstl engineer.,5)New secondary scrapper to be fix along with dstl engineer supervision.,6)Proper tensioning to be given to scrapper as per dstl engineer,instruction,7)Trial to be taken of scrapper.,8)During job all workers should be in PPE.No any bypass safety.,STL Scope : 1. Arranging electricity and permit.2.Arrange hoist/lift for,shifting tools/material .	EA
478	1007816	800 MM SECONDARY SCRAPPER REPLACEMENT	800 MM CONVEYOR SECONDARY SCRAPPER REMOVAL AND FIXING,Activities include in Secondary scrapper removal and fixing,1)Removal of all bolts of secondary scrapper by grinding/gas cutting.,2)Check the dimensions before secondary scrapper removal.,3)Removal of secondary scrapper with safely and shifting at scrap yard.,4)New secondary scrapper dimension to be taken along with dstl engineer.,5)New secondary scrapper to be fix along with dstl engineer supervision.,6)Proper tensioning to be given to scrapper as per dstl engineer,instruction,7)Trial to be taken of scrapper.,8)During job all workers should be in PPE.No any bypass safety.,STL Scope : 1. Arranging electricity and permit.2.Arrange hoist/lift for,shifting tools/material .	EA
479	1007817	1000 MM SECONDARY SCRAPPER REPLACEMENT	1000 MM CONVEYOR SECONDARY SCRAPPER REMOVAL AND FIXING,Activities include in Secondary scrapper removal and fixing,1)Removal of all bolts of secondary scrapper by grinding/gas cutting.,2)Check the dimensions before secondary scrapper removal.,3)Removal of secondary scrapper with safely and shifting at scrap yard.,4)New secondary scrapper dimension to be taken along with dstl engineer.,5)New secondary scrapper to be fix along with dstl engineer supervision.,6)Proper tensioning to be given to scrapper as per dstl engineer,instruction,7)Trial to be taken of scrapper.,8)During job all workers should be in PPE.No any bypass safety.,STL Scope : 1. Arranging electricity and permit.2.Arrange hoist/lift for,shifting tools/material .	EA
480	1007818	1200 MM SECONDARY SCRAPPER REPLACEMENT	1200 MM CONVEYOR SECONDARY SCRAPPER REMOVAL AND FIXING,Activities include in Secondary scrapper removal and fixing,1)Removal of all bolts of secondary scrapper by grinding/gas cutting.,2)Check the dimensions before secondary scrapper removal.,3)Removal of secondary scrapper with safely and shifting at scrap yard.,4)New secondary scrapper dimension to be taken along with dstl engineer.,5)New secondary scrapper to be fix along with dstl engineer supervision.,6)Proper tensioning to be given to scrapper as per dstl engineer,instruction,7)Trial to be taken of scrapper.,8)During job all workers should be in PPE.No any bypass safety.,STL Scope : 1. Arranging electricity and permit.2.Arrange hoist/lift for,shifting tools/material .	EA

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481	1007819	1600 MM SECONDARY SCRAPPER REPLACEMENT	1600 MM CONVEYOR SECONDARY SCRAPPER REMOVAL AND FIXING,Activities include in Secondary scrapper removal and fixing,1)Removal of all bolts of secondary scrapper by grinding/gas cutting.,2)Check the dimensions before secondary scrapper removal.,3)Removal of secondary scrapper with safely and shifting at scrap yard.,4)New secondary scrapper dimension to be taken along with dstl engineer.,5)New secondary scrapper to be fix along with dstl engineer supervision.,6)Proper tensioning to be given to scrapper as per dstl engineer,instruction,7)Trial to be taken of scrapper.,8)During job all workers should be in PPE.No any bypass safety.,STL Scope : 1. Arranging electricity and permit.2.Arrange hoist/lift for,shifting tools/material .	EA
482	1007826	C452 candle filter replacement.	C452 candle filter replacement in GP plant.,Contractors scope of work:,1. Opening of C-452 manhole, 32x150#, 01 nos.,2. Opening of top cover of C452, 32X150#, 01 nos.,3. Removal of candle filter, 02 nos.,4. Replacement of candle filter with new one.,5. Box up of top cover with new gasket,6. Box up of manhole with new gasket.,7. Shifting of candle filter from stores/godown to site.,8. Shifting of old candle filter from plant to scrap place.,9. To attend leakage if it occurs after startup.,10. To cut gasket from sheet if any requirement arises.,11. To ensure complete compliance of safety norms.,12. To provide all the PPEs to worker while executing job.,13. To provide skilled manpower for job execution.,DSTL SCOPE OF WORK,1. To provide appropriate work permit related to job.,2. To provide hand lamp, air supply, etc and other resources if required,any.,3. To provide gasket,nut bolts and other materials required for box up.	EA
483	1007872	H7114/H7514 Elevator capacity enhancemen	Retroftting job for capacity enhancement of product elevator, NPK Plant,location 7th floor and ground floor,2 ) REMOVAL OF existing gear box and motor 2000 kgs at 7th floor,3 ) Removal of exsiting base frame by cutting (wt approx 1000 kgs), fix,new structure as per drawing of mahindra Tsubaki,4 ) Arrangement <(>&<> shifting of New gear box, base frame, motor,,fluid coupling coupling to NPK 7th floor from stores,5) Repalce all buckets of product elevator 294 nos, same chain to used.,6) shift head sproket to 7th floor ,arrangement and Repalce head,sprocket ,,7) fix new coupling of gear bxo out end , fix new couplig at input end,,fix new gear box and motor and aligment checks.,8)shift , arrangement and Repalcement of tail sprocket of elevator,,9) Alignment of head and tail end sprocket with piano wires, fix,platform and railing as per drawing,10) House keeping to be done after work completion,11) All necesssary cutting welding heating arrangement for coupling,removal, fabrication work in vendor scope,,12) Job to be done under Mahindra subaki service engineer supervision.,13) Old removed gear box and motor to shifted to suitable location as,per engiiner instruction within NPK plant,14) removed structure to shiuffed to scrap yard.,15) Ref Drwaing:S-107779 REV 11, S-1077780 Rev 11,STL Scope: Permit for work, spares for work assigned, drwaings,,fasteners, electricity and water.	LE

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484	1007883	WNA1/2 Absorber PSV Removal refitting	SCOPE OF WORK - WNA1/2 Absorber PSV Removal <(>&<)> refitting size,4"x150#,Scope of work :-,1) Removal of PSV from absorber top (located at 45 m height) <(>&<)>,shifting at workshop, after servicing shifting of valves from work-shop,by handcart and re fixing the valves in line.,2) Contractor shall contact Job Co-orinator and physically see the,valves.,3) Crane will be provided by DFPCL/STL if required.,4) All PPE's,tools and tackles should be arranged by contractor.,3) During valve box-up all gaskets should be replaced after proper,cleaning of flange surfaces.,4) Contractor shall have sufficient manpower to be kept ready for,attending leak when plant will be started up.,5) Hot tightening wherever required.	LE
485	1007894	H7405/H7407 conveyor Drive replacement	1 ) VISIT to UNDERSTAND THE SCOPE OF WORK at NPK Plant final product,section location 2nd floor,2 ) REMOVAL OF existing gear box and motor (Wt approx 200 kgs) ,,3 ) removal of exsiting base frame structure by cutting lifting shifting,(wt approx 200 kgs),4 ) arrangement and shifting of New gear box, base frame and motor to,NPK 2nd floor from stores,5) Removal of end coupling of head end pulley, fix new coupling on head,end pulley,6) fix new baseframe stucture and leveliling of base frame befor,aligment (200 kgs approx),7) Erection of New gear box and motor (200 kgs approx) , (10 HP gear,motor) and alignment.,8) removed Gear box , motor to be shifted as per instruction of NPK,plant engineers , strcuter to shifted to scrap yard.,9) All necessary tool tackles in vendor scope,,10) House keeping to be done after work completion,11) All necesssary cutting welding heating arrangement for coupling,removal, fabrication work in vendor scope.,STL Scope: Permit for work, spares for work assigned ,fasteners,,electricity and water.	LE

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486	1007902	Fab./install of Converter cone bellow	<p>SCOPE OF WORK --- REPLACEMENT OF SS 316 L FABRICATED BELLOW IN,EXPANDER GAS HEATER TOP SIDE IN WNA 2,Scope of work :-,Cutting of SS 316 L SCH 20 SMLS 1.5 &lt;(&gt;&amp;&lt;)&gt; 2 Inch pipe as per,diameter,Rolling of pipe 1.5 &lt;(&gt;&amp;&lt;)&gt; 2 inch pipe including transportation,Rolling of pipe OD 1331mm ,ID as per pipe diameter ( 2inch or 1inch),Cutting and removing of existing damage bellow by grinder in expander,gas heater,Grinding , beveling and DP testing of end of bellow joints to EGH,After cutting , grinding &lt;(&gt;&amp;&lt;)&gt; check the radius and make the half,rolled pipe same diameter,Fit-up the fabricated half pipe bellow , maintained level will be down,the gasket face,After clearance Argon welding , DP testing and cleaning of surface area,Fabrication of phonematic testing arrangement with isolation , by pass,valve with blinds 18 inch and 10 inch 300# each ,Encase leakage leakage will be in the inside of EGH attend properly,16)Maintain and recording of all internal clearances as per protocol.,17) Installation of top cover.,18) Alignment of 1st body &lt;(&gt;&amp;&lt;)&gt; 2nd body compressor with turbine,&lt;(&gt;&amp;&lt;)&gt; expander as per protocol reading.,CONTRACTORS SCOPE:,1) Contractor to maintain its supervisor at site for the job when ever,their activity is in progress.,2) The supervisor shall coordinate with DFPCL engineer for job details,and,further problems associated with jobs,3) Arrange for all the necessary manpower required for the job,4) All lifting tools &lt;(&gt;&amp;&lt;)&gt; tackles shall be arranged by contractor.,TIME PERIOD :,Job to be carried on round the clock basis till the job is completed,and certified by DFPCL.,SAFETY :,All persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions using,safety helmets, safety belts,,,safety shoes, hand gloves, goggles etc. as required.,HOUSEKEEPING :,Contractor shall do housekeeping and shall remove all unwanted materials,from the work site,immediately after completion of work.,Housekeeping shall also be done in between the work to keep the work,immediately after completion of work.,Housekeeping shall also be done in between the work to keep the work</p>	LE
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487	1007918	H7409/7106/7118 HD SPRKT BRG REPLACEMEN	<p>H7409/7106/7118 HD SPRKT BRG REPLACEMENT,VENDOR SCOPE,1.OPEN BOOT COVERS, TOP COVERS &lt;(&gt;&amp;&lt;)&gt; INSPECTION DOORS AT TOP &lt;(&gt;&amp;&lt;)&gt;,BOTTOM SIDE,2.RELEASE TENSION &lt;(&gt;&amp;&lt;)&gt; OPEN CHAIN LINKS BY GAS CUTTING SET IF,REQUIRED,3.DERAIL/REMOVE THE CHAIN FROM HEAD SPROCKET &lt;(&gt;&amp;&lt;)&gt; TAIL END PULLEY,4.HANG THE CHAIN WITH THE HELP OF 5 TON ( EACH SIDE- 02 nos. )CHAIN,BLOCKS &lt;(&gt;&amp;&lt;)&gt; REMOVE BUCKET AS PER REQUIREMENT.,5.INSPECTION OF CHAIN, CHAIN-COUPLER, BUCKETS ETC. &lt;(&gt;&amp;&lt;)&gt; TO TAKE,CORRECTIVE ACTION AS PER STL INSTRUCTIONS,6.DECOUPLE THE GEARBOX WITH MOTOR BY REMOVING FLUID COUPLING UNIT.,7.REMOVE THE AUXILARY GEARBOX WITH MOTOR WITH THE HELP OF CHAIN BLOCK,AND HYDRULIC JACK.,8.REMOVE THE PLUMMER BLOCK AND DRIVE END BEARING WITH THE HELP OF,CUTTING SET.,9.INSTALL THE NEW BEARING WITH HELP OF BEARING HEATER OR OIL BATH,,10.CHECK THE NON DRIVE BEARING AND LOCKNUT FOR ANY DETERIOTION.,11.REPLACE THE NON DRIVE END BEARING WITH THE HELP OF CUTTING SET OR,BEARING HEATER.,12.RESTORE THE CHAIN BY LOWERING THE TENSION.FIX THE BUCKET .,13.INSTALL THE GEARBOX AND AUXILIARY GEARBOX BACK TO NORMAL WITH THE,HELP OF HYDRULIC JACK.,14.REFIX THE FLUID COUPLING TO COUPLE WITH MOTOR PRIOR TO TRAIL.,14.ALL LIFTING TOOLS &amp; TACKLES VIZ. CHAIN BLOCKS, LIFTING BELTS,ETC. REQD FOR COMPLETION OF JOB 16 &amp; TO ENSURE COMPLETION OF JOB,WITHIN GIVEN TIMEFRAME AS PER DSTL ENGINEER.,15.COMPLY WITH ALL STANDARDS OTHERWISE APPROPRIATE DEDUCTIONS WILL BE,MADE FROM FINAL BILL &amp; MODIFICATION, FABRICATION &amp;,ASSOCIATED WORK FOR COMPLETION OF JOB,16.ANYTHING NOT SPECIFICALLY MENTIONED &amp; NECESSARY FOR JOB,COMPLETION WILL BE IN SCOPE OF VENDOR.,17.SUPPLY OF COMPETENT MANPOWER &amp; SKILLED RIGGERS/SUPERVISOR ETC,TO EXECUTE THE JOB SAFELY ,PROVIDE PPES FOR WORKMEN &amp; STAFF,DSTL SCOPE OF SUPPLY:-,1.ELECTRIC POWER, WATER &lt;(&gt;&amp;&lt;)&gt; OTHER UTILITIES AT FREE OF COST.,2.ALL REQUIRED PERMITS TO CARRYOUT THE JOB,3. REQUIRED HYDRULIC JACK WILL BE IN SCOPE OF STL.,JOB CO-ORDINATION:- 1.CONTRACT SUPERVISOR SHOULD MEET IMMEDIATELY TO THE,CONCERNED ENGINEER AFTER RECEIVING THE PURCHASE ORDER/LOI SAFETY:- .,HOUSEKEEPING:- 1.ALL SCRAP MATERIAL SHOULD BE SHIFTED TO SCRAP YARD,IMMIDIATELY AFTER COMPLETION OF JOB 2.ALL AREA NEAR THE JOB CARRIED OUT,SHOULD BE CLEAN 3.VENDOR WILL ENSURE THAT PASSAGES ARE NEVER BLOCKED DUE,TO CONGESTION OF METARIAL 4.IF ANY OF ABOVE SAFETY OR HOUSEKEEPING POINT,IS NOT FOLLOWED, OR IT IS POINTED OUT, STRICT PENALTY WILL BE LEVIED,UPON THE VENDOR,2.MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS PER,INSTRUCTION OF CONCERNED ENGINEER. 3.JOB SHOULD BE IMMEDIATELY STARTED,AS PER INSTRUCTION OF CONCERNED ENGINEER.,3.COMPLY WITH ALL STATUTORY REGULATIONS LIKE PAYMENT AS PER MINIMUM,WAGES, PF, MAINTAINING REQUISITE RECORDS VIZ. VARIOUS REGISTERS AND,SUBMITTING THE SAME TO P&lt;(&gt;&amp;&lt;)&gt;A DEPT. EVERY MONTH AS WELL AS WHENEVER,COMPLY WITH THE REGULATIONS,APPROPRIATE DEDUCTIONS WILL BE MADE FROM,MONTHLY BILLS,IN ADDITION TO PENALTY DEDUCTIONS 2.ALL PERSONS SHALL WORK,UNDER FULL SAFETY AND PRECAUTIONS BY USING SAFETY HELMETS, SAFETY BELT,,SAFETY SHOES, HAND GLOVES,GOGGLE ETC. AS REQUIRED AND SHOULD FOLLOW,OTHER DSTL'S SAFETY REGULATIONS,3.HOUSEKEEPING:- 1.ALL SCRAP MATERIAL SHOULD BE SHIFTED TO SCRAP YARD,IMMIDIATELY AFTER COMPLETION OF JOB 2.ALL AREA NEAR THE JOB CARRIED OUT,SHOULD BE CLEAN 3.VENDOR WILL ENSURE THAT PASSAGES ARE NEVER BLOCKED DUE,TO CONGESTION OF METARIAL 4.IF ANY OF ABOVE SAFETY OR HOUSEKEEPING POINT,IS NOT FOLLOWED, OR IT IS POINTED OUT, STRICT PENALTY WILL BE LEVIED,UPON THE VENDOR</p>	EA
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488	1007940	repair/repl. of Exp. I/L line in WNA-2	<p>SCOPE OF WORK --- REPAIR/REPLACEMENT OF 18" EXPANDER INLET LINE IN,WNA-2 PLANT,SCOPE OF WORK -,Shifting of Expander suction line pipe from store to WNA-1/2 (Approx.,wt. 2ton and length is 6mtr),Taking Dimensions of existing pipe lines wrt tie rod, distance, Centre,distance between flanges etc...,Dismantling of existing pipeline (Flange 14inch and 18inch) and lifting,with H.O.T. and shifting to workshop by hydra .,Shifting of old pipepiece and new pipe piece to Multiskill workshop, for,cutting the hook and rewelding to new pipe line.,cutting and welding of lifting lugs to top plate in new pipe line,Cutting of bellow cover bolts of NEW pipe line and inspection of bellow,Relacement of bellow Tie Rod in NEW pipe line,Cleaning of Spring support at site,Cutting and welding of Thermo couple 3/4 inch joint,Shifting of new pipe line to position and checking fitment., and,confirming the dimensions.,If Okay, boxing up of pipe line.,If not matching , then remove the pipe line and shift it to ground floor,for modification i.e. Cut the bellow from the new pipeline and fix it,on the existing pipeline to maintain the dimensions.,Installation in position and box up.,Adjustment of Spring support as per original dimension of pipe line,preparation of blind plates (18inch , 14inch and 8inch) for pneumatic,testing.,gaskets cutting for pneumatic test,Pneumatic test of new pipe line as per design pressure,CONTRACTORS SCOPE:.,1) Contractor to maintain its supervisor at site for the job when ever,their activity is in progress.,2) The supervisor shall coordinate with DFPCLE engineer for job details,and further problems associated with jobs,3) Arrange for all the necessary manpower and tool / tackles required,for the job,4) All lifting tools &lt;(&gt;&amp;&lt;)&gt; tackles shall be arranged by contractor.,5) all required material for dowel pin will be in contractor scope,TIME PERIOD :.,Job to be carried on round the clock basis till the job is completed,and certified by DFPCLE.,SAFETY :.,All persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions using,safety helmets, safety belts,,,safety shoes, hand gloves, goggles etc. as required.,HOUSEKEEPING :.,Contractor shall do housekeeping and shall remove all unwanted materials,from the work site,immediately after completion of work.,Housekeeping shall also be done in between the work to keep the work,immediately after completion of work.,Housekeeping shall also be done in between the work to keep the work</p>	LE
489	1007947	E301A EXCH OPEN & BOX UP	<p>COVER OPENING AND BOX UP OF E301A,VENDORS SCOPE,1. OPENING OF E301A COVER, 30 INCH APPROX., 02 NOS.,2. CLEANING OF GASKET FACE OF EXCHANGER,3. CUTTING OF GASKET FROM GASKET SHEET IF REQUIRED.,4. BOX UP OF EXCHANGER COVER,30 INCH, 02 NOS. AFTER CLERANCE FROM STL,ENGINEER.,5. CLEANING OF NUT BOLTS TO BE DONE IF REQUIRED.,6. IF LEAKAGE FOUND DURING TESTING, CONTRACTOR HAS TO REPLACE GASKET,AGAIN IN THE SAME COST FOR 01 SERVICE,7. HOUSEKEEPING TO BE DONE AFTER JOB COMPLETION,8. CONTRACTOR TO ENSURE ALL THE RIGGERS/HELPER DOING JOB IS FOLLOWING,SAFETY NORMS,9. PPEs PROVIDED TO RIGGERS/HELPERS ON JOB MUST BE IN HEALTHY CONDITION,DSTL SCOPE OF WORK,1. TO PROVIDE APPROPRIATE PERMITS TO EXECUTE THE JOB.,2. TO PROVIDE HAND LAMP, AIR SUPPLY, SCAFFOLDING, POWER SUPPLY IF,REQUIRED,3. TO PROVIDE GASKETS, NUT BOLTS, ORINGS, ETC MATERIALS REQUIRED FOR BOX,UP</p>	LE

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490	1007954	H301 SCRAPPER BULL GEAR OVERHAULING	<p>1. COUPLING GUARDS REMOVAL FOR BOTH GEAR BOXES,2. DRAINING OF OIL FROM BOTH GEAR BOX AND BULL GEAR IF REQUIRED,3. OPENING OF BOTH THE ARMS FROM POSITION AND SHIFTING TO SIDE,4. OPENING OF ALL BOLTS CENTER ARM COVER M12X25 = 60 NOS,5. OPENING OF ALL BOLTS OF CENTER ARM FLANGE TO BULL GEAR M16X60 = 40,NOS,6. LIFTING OF CENTER ARM BY CHAIN BLOCK AND KEEPING IT ASIDE,7. CLEANING OF BULL GEAR TEETHS AND ITS PERIPHERY.,8. ALL MISC. ACTIVITY TO BE DONE AS PER INSTRUCTION FROM MECH TECHNICIAN,9. LIFTING AND FIXING OF CENTER ARM ON BULL GEAR.,10. FIXING OF BULL GEAR TO CENTER ARM BOLTS M16X60 = 40 NOS.,11. TIGHTENING OF ALL BOLTS ONE BY ONE BY ROTATING CENTER ARM MANUALLY,12. FIXING OF CENTER ARM COVER BOLTS M12X25= 60 NOS.,13. BOX UP SCRAPPER SIDE ARM TO CENTER ARM, 02 NOS.,14. BOX UP OF MAIN GEAR BOX GUARD,15. REMOVAL OF ALL ARRANGEMENT DONE FOR LIFTING PURPOSE TO ITS LOCATION,16. GRINDING AND WELDING OF ARM IF ANY CRACK IS IDENTIFIED,17. REPLACEMENT OF GRIZZLEY IF ANY FOUND DAMAGED.,18. HOUSEKEEPING TO BE DONE ONCE JOB IS COMPLETED.,19. MANPOWER ASSISTANCE TO BE PROVIDED FOR COMPLETE OVERHAULING OF BULL,GEAR,20. VENDORS SUPERVISOR IS REQUIRED ON JOB TILL COMPLETION.,21. VENDOR TO COMPLY WITH ALL SAFETY REQUIREMENTS AS PER DFPCL/STL,STANDARD,22. VENDOR TO PROVIDE SKILLED MANPOWER FOR THE EXECUTION OF JOB.,23. ALL LIFTING TOOLS AND TACKLES MUST BE LOAD TESTED WITH VALID,CERTIFICATES AT THE TIME OF JOB.,DSTL SCOPE OF WORK,1. TO PROVIDE APPROPRIATE PERMITS TO EXECUTE THE JOB.,2. TO PROVIDE HAND LAMP, AIR SUPPLY, SCAFFOLDING, POWER SUPPLY IF,REQUIRED,3. TO PROVIDE GASKETS, NUT BOLTS, ORINGS, ETC MATERIALS REQUIRED FOR,OVERHAULING</p>	LE
491	1007962	replace bellow of WNA2 expandr i/l line	<p>SCOPE OF WORK -,Shifting of Expander suction line pipe from store to WNA-1/2 (Approx.,wt. 2ton and length is 6mtr),Fabrication of platform with locking structure ISMC 150 for inlet line,Shifting of two no old expander inlet line 14 inch x 18 inch 6 mtr long,peace,Fixing of two no expander inlet line in fabricated fixture app. 2 ton ,weight,Locking of bellow , cutting and removing of bellow from 3rd pieces,Cutting and removing of damage bellow be grinding on both side,Fixing and bellow , purging and welding SS 316 L both side 18 inch ,D P testing after dismantling of in let line from the fabricated,structure,Shifting of bellow from workshop to WNA plant and pneumatic testing,Removing of both side blinds and cleaning the inside by air,Dismantling , lowering and tailing of inlet pipe from plant to ground,floor,Shifting tailing and erection of inlet line in WNA 2 position ,alignment,and tightening,Losing the bellow guide bolts as per instruction ,Shifting , tailing and fabrication of platform including with scope of ,hydra ,Job to be carried on round the clock basis till the job is completed,and certified by DFPCL.,SAFETY :;All persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions using,safety helmets, safety belts,,,safety shoes, hand gloves, goggles etc. as required.,HOUSEKEEPING :;Contractor shall do housekeeping and shall remove all unwanted materials,from the work site,immediately after completion of work.,Housekeeping shall also be done in between the work to keep the work,immediately after completion of work.,Housekeeping shall also be done in between the work to keep the work</p>	LE

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492	1007987	D301 SUPPORT ROLLER SHAFT REPLACEMENT	<p>REMOVAL &lt;(&gt;&amp;&lt;)&gt; REPLACEMENT OF D301 SUPPORT ROLLER SHAFT WITH NEW ONE,VENDOR'S SCOPE OF SUPPLY:-,1. DISMANTLING OF SUPPORT ROLLER ASSEMBLY,2. REMOVAL OF SHRINK FIT SHAFT WITH THE HELP OF HYDRAULIC PRESS OR,MACHINING,3. MANUFACTURING &lt;(&gt;&amp;&lt;)&gt; SUPPLY OF NEW SHAFT AS PER INSTRUCTION OF DFPCL,ENGINEER, MATERIAL REQUIRED IS IN VENDOR'S SCOPE,4. SHRINK FIT ASSEMBLY OF SUPPORT ROLLER &lt;(&gt;&amp;&lt;)&gt; SHAFT,5.SUBMISSION OF STAGewise REPORTS,6.COMPETENT MANPOWER &lt;(&gt;&amp;&lt;)&gt; SKILLED MACHINIST/RIGGERS/FITTER FOR SMOOTH,EXECUTION,7.TO ACCOMPLISH THE ASSOCIATED PRE ACTIVITIES IF ANY,8.ARRANGEMENT OF ALL THE TOOLS/TACKLES CONSUMABLES ETC REQD FOR THE JOB,9.ANY OTHER ASSOCIATED ITEMS/SERVICES REQUIRED FOR COMPLETION OF JOB.,10.TO SAFEGUARD THE WHOLE ACTIVITY UNDER EXPERT SUPERVISION,11.TO PROVIDE PPE FOR WORKMEN &lt;(&gt;&amp;&lt;)&gt; STAFF VIZ. HELMET, SAFETY,SHOES/GOGGLES, SAFETY HARNESS ETC.,12.TO ENSURE COMPLETION OF SAFETY TRAINING &lt;(&gt;&amp;&lt;)&gt; MEDICAL CHECKUP OF,ALL PERSONNELS,AS PER STL POLICY PRIOR TO ACTUAL COMMENCEMENT OF WORK,13.ALL PERSONS SHALL WORK UNDER FULL SAFETY AND PRECAUTIONS BY USING,SAFETY HELMETS,,SAFETY BELT, SAFETY SHOES, HAND GLOVES,GOGGLE ETC. AS REQUIRED AND,SHOULD FOLLOW OTHER,DFPCL'S SAFETY REGULATIONS.,14.TRANSPORTATION OF MATERIAL FROM DFPCL TO EXTERNAL VENDOR SITE &lt;(&gt;&amp;&lt;)&gt;,VICE A VERSA,15.HOUSEKEEPING OF WORKPLACE AS PER INSTRUCTION OF STL ENGINEER,16.TO ENSURE COMPLETION OF JOB WITHIN GIVEN TIMEFRAME AS PER DFPCL,ENGINEER.,DFPCL SCOPE OF SUPPLY:- ,1.PROVIDING PO COPY TO CARRY OUT THE ACTIVITY,2.ELECTRICITY, WATER &lt;(&gt;&amp;&lt;)&gt; OTHER UTILITIES IN CASE THE WORK TO BE,PERFORMED INSIDE DFPCL PREMISES,3.ALL REQUIRED PERMITS TO CARRY OUT THE JOB IN CASE THE WORK TO BE,PERFORMED INSIDE DFPCL PREMISES,JOB CO-ORDINATION:-,1.CONTRACT SUPERVISOR SHOULD MEET IMMEDIATELY TO THE STL ENGINEER AFTER,RECEIVING THE PURCHASE ORDER/LOI,2.MANPOWER AND MATERIAL SHOULD BE IMMEDIATELY MOBILISED AS PER,INSTRUCTION OF STL ENGINEER.,3.JOB SHOULD BE IMMEDIATELY STARTED AS PER INSTRUCTION OF STL ENGINEER.,4.AFTER COMPLETION OF THE JOB PROPER HOUSEKEEPING OF AREA TO BE DONE,&lt;(&gt;&amp;&lt;)&gt; SIGNATURE OF STL,ENGINEER SHOULD BE TAKEN ON HOUSEKEEPING CERTIFICATE.,TIME SCHEDULE:-,1.JOB HAS TO BE STARTED IN CONSULTATION WITH OUR JOB,CO-ORDINATOR(STL ENGINEER) DURING SHUT-DOWN.,HOUSEKEEPING:-,1.ALL SCRAP MATERIAL SHOULD BE SHIFTED TO SCRAP YARD,IMMEDIATELY AFTER COMPLETION OF JOB,2.ALL AREA NEAR THE JOB CARRIED OUT SHOULD BE CLEAN,3.VENDOR WILL ENSURE THAT PASSAGES ARE NEVER BLOCKED DUE TO,CONGESTION OF METARIAL,4.IF ANY OF ABOVE SAFETY OR HOUSEKEEPING POINT IS NOT FOLLOWED,,OR IT IS POINTED OUT, STRICT PENALTY WILL BE LEVIED UPON THE VENDOR,TERMS &lt;(&gt;&amp;&lt;)&gt; CONDITIONS:-,1.PAID HOLIDAY/WEEKLY OFF WILL BE CONSIDERED AS A NORMAL WORKING DAYS.,2.GIVEN QUANTITIES ARE APPROXIMATE</p>	LE
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493	1008025	V307 SUPPORT STRENGTHENING JOB	<p>1) lifting and shifting of items such as channels, angles to designated,place inside the factory with help of hydra.,(Approximate weight - 01 tons),Proper lifting tools and tackles to be used for lifting purpose.,2) Fabrication and erection of structures includes transportation of,structural material from stores/yard to worksite.,Fabrication and erection to be done as per the drawing or requirement,&lt;(&gt;&amp;&lt;)&gt; returning the balance material to stores.,3). competent manpower &lt;(&gt;&amp;&lt;)&gt; skilled riggers/fitter for smooth,execution,4) To accomplish the associated pre activities if any,5) arrangement of all the tools/tackles consumables etc req. for the job,6) Any other associated items/services required for completion of job.,7) To safeguard the whole activity under expert supervision,8) To provide ppe for workmen &lt;(&gt;&amp;&lt;)&gt; staff viz. Helmet, safety,shoes/goggles, safety harness etc.,9) To ensure completion of safety training &lt;(&gt;&amp;&lt;)&gt; medical check-up of,all personals,As per stl policy prior to actual commencement of work,10) All persons shall work under full safety and precautions by using,safety helmets,,Safety belt, safety shoes, hand gloves, goggle etc. As required and,should follow other,DFPCL safety regulations.,12) Unloading &lt;(&gt;&amp;&lt;)&gt; transportation of material from stores/gate to job,location &lt;(&gt;&amp;&lt;)&gt; vice a versa,13) Housekeeping of workplace as per instruction of stl engineer,14).to ensure completion of job within given timeframe as per stl,engineer.,STL scope of work,1) work permit will be provided by stl engineer.,2) welding machine connection, resources like air, water, light,connection, scaffolding erection, insulation,Removal will be provided by stl.,3) hydra/ farana will be in stl scope.,4)Structural steel will be provided by STL.,Job co-ordination: -,1.contract supervisor should meet immediately to the stl engineer after,receiving the purchase order/IOI.,2.manpower and material should be immediately mobilised as per,instruction of stl engineer.,3.job should be immediately started as per instruction of stl engineer.,4.after completion of the job proper housekeeping of area to be done,&lt;(&gt;&amp;&lt;)&gt; signature of stl,Engineer should be taken on housekeeping certificate.,Time schedule: -,1.job has to be started in consultation with our job,Co-ordinator (stl engineer) during shutdown.,Housekeeping: -,1.all scrap material should be shifted to scrap yard,Immediately after completion of job,2.all area near the job carried out should be clean,3.vendor will ensure that passages are never blocked due to,Congestion of material,4.if any of above safety or housekeeping point is not followed,,Or it is pointed out, strict penalty will be levied upon the vendor,Terms &lt;(&gt;&amp;&lt;)&gt; conditions: -,1.paid holiday/weekly off will be considered as a normal working day.,2.given quantities are approximate</p>	LE
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494	1008108	WNA-3 BFW PREAHEATERTUBE LEAK ARRESTING	<p>Scope of work --- BFW Preheater south side tube leak arresting by,plugging.,1. Opening of flange joint 18inch,2. Cutting of 18inch line by grinding,3. Removal of preheater by crane &lt;(&gt;&amp;&lt;)&gt; shifting of same for,hydrotesting location.,4. Identify the leak tube by hydrotesting and plug the same tube by,welding.,5. Plug machining will be in vendor scope,5. Final hydro testing at 6 kg/cm2.,6. Build-up of flange faces if required by welding and grinding,7. Cutting of new gasket (18") &lt;(&gt;&amp;&lt;)&gt; fixing of new gasket,8. Box-up of preheater with connecting inlet,9. Normalise of preheater vent and drain line by welding.,10. Hot tightening after plant start-up.,CONTRACTORS SCOPE:;1) Contractor to maintain its supervisor at site for the job whenever,their activity is in progress.,2) The supervisor shall coordinate with DFPCL engineer for job details,and further problems associated with jobs.,3) Arrange for all the necessary manpower required for the job.,4) All lifting tools &lt;(&gt;&amp;&lt;)&gt; tackles shall be provided by contractor.,5) Scaffolding shall be in Contractor scope.,6)Housekeeping,7),DSTL SCOPE:;1) hydra needed for shifting of material or equipment.,2) Crane shall be provided by DSTL.,3) Light, electricity, Water and scaffolding.,4) bolts, gasket and scaffolding required are in DSTL scope.,Note: - Job To be Carried out as per DSTL time frame and Schedule.,TIME PERIOD: Job to be carried on round the clock basis till the job,is completed and certified by DSTL. No worker will work more than 12,hours per day.,SAFETY: All persons shall work under full safety &lt;(&gt;&amp;&lt;)&gt; precautions,using safety helmets, safety belts, safety shoes, hand gloves, goggles,etc. As required.,SAFETY PRECAUTIONS The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt;,regulations, safety procedures as per the safety standards and comply,with the safety requirements. The contractor is required to deploy,persons for specific jobs who are trained and skilled in particular,trade and well familiar with hazards and safety precautions. The site,staff and workers of the contractors are required to undergo safety,orientation before they are assigned work at site. No person shall be,allowed at work site without safety orientation. The contractor shall,ensure that any time during the performance of the work his personnel,are fit to execute the tasks assigned and are not under the influence of,any alcoholic liquor, drug or other intoxicating substances. The,contractor shall provide personal protective equipment as specified.</p>	LE
495	1008148	6" sch XXH P11 Weld joint repair	<p>Ammonia converter outlet 6"x 2500 # flange weld joint repair,pipe size: 6" x sch XXH ( thickness 28 mm),MOC: P11,scope of work:;1.Arrangement skilled welder, grinder and helper along with tools,,grinding m/c, welding machine , consumable, safety PPES etc.,2.Old weld joints opening by grinding, removing defect such as cracks,,porosity, visual inspection.,3. Edge preparation for welding .,4. Welding as per WPS provided by STL/DFPCL,5. Completion of job by round the clock working.,DFPCL/STL scope:;1. Manpower support,2. Arrangement of NDT ( MPI/DP/PAUT),3. Arrangement of high purity Argon gas cylinder 2 nos,4. Arrangement of welding filler 70SB2L,5. Arrangement of ELelectricity, air, nitrogen,6. Arrangement of work permit.</p>	EA

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496	1008280	Epoxy Paint for Piping,Equips,Structure	Epoxy Paint for Piping, Equipments and Structures,Scope of Work for Vendor:,A) Surface Preparation:,1) Surface should be thoroughly cleaned by sand blasting or equivalent,method before paint application,2) All surfaces to be coated should be clean, dry and free,from Contamination.,B) PAINT APPLICATION:,1) Paint Supply is in Vendor Scope.,2) Surface should be properly cleaned before paint application,3) Paint application should be done as per given System Recommendation,I.e, 2 layer of Primer coat and 2 layer of Final coat.,4) DFT should get verified by Supervisor and Engineer at every stage,5) Supervisor should maintain DFT record of each coat.,C) SAFETY <(>&<)> OTHER ISSUES,1) Scaffolding for carry out the job is in scope of vendor.,2) Vendor should follow DFPCl safety rules <(>&<)> Regulations during,job execution.,3)All tools <(>&<)> tackles Like safety belts with double lifeline,,Safety,goggles,safety hand gloves,safety helmet,safety shoes,Ear plugs,,Dust masks are in scope of vendor.,4)Dedicated Supervisor Should be appointed at workplace and he will be,solely responsible for Quality <(>&<)> safely job execution.,5)Vendor should Complete the job within given time Frame.,6) Vendor should give painting Guarantee for 5 years.,7) Vendor should mobilize Competent manpower to carry out the job.,8)All consumables like Cotton wastes, Wire brush, Chiesel,,Painting brush are in scope of vendor.,9) The working area cleaning and housekeeping is in Vendor scope,D) QUALITY CHECKS:,1) Surface Preparation will be verified by Supervisor and Engineer,2) DFT should be maintained at all stages of coat.,3) Minimum Total DFT= 270-300 Microns,DFPCl Scope:,1) Permit to carry out the Job.	M2
497	1008294	WNA1 Boiler fab/fix of hydro. assembly	WNA1 Boiler fab/fix of hydro. Assembly,Scope of Work -,Cutting and grinding of old nozzles,Cutting and fabrication of 16 mm blinds 6-inch x 6 no's,Cutting and removing of lifting lock and refixing,Blinding all nozzles after hydrotesting removing the same,Rotating of boiler by hydra for welding and grinding of nozzle,Fabrication and fixing of hydrotesting assembly,DFPCl Scope --,Valid permit, Water, Electricity,Safety precautions: - 1) The contractor shall follow safety rules,<(>&<)> regulations, safety procedures as per the safety standards and,comply with the safety requirements.2)The contractor is required to,deploy persons for specific jobs who are trained and skilled in,particular trade and well familiar with hazards and safety,precautions.3) The site staff and workers of the contractors are re,quired to undergo safety orientation before they are assigned work at site. 4)No person shall be allowed at work site without,safety orientation. The contractor shall ensure that any time during the,performance of the work his personnel are fit to execute the tasks,assigned and are not under the influence of any alcoholic liquor, drug,or other intoxicating substances. 5) The contractor shall provide,personal protective equipment as specified	LE
498	1008342	H 7429 Belt replacement	Belt conveyor replacement for H 7429 at NPK Bagging,CONTRACTOR SCOP OF WORK.,1- Shift the new Belt whenever required for changing,2- Belt length 350mtr width 650mm 4 ply,3- Take permit and lift the Take up,release the belt by the help of,chain pulley Block.,4- Fixed clamp in the Belt when ever required.,5- Cut the old Belt portion and linked new Belt,6- Fixed the new Belt.,7- Take sufficient takeup. By the help of site engineer and clamp the,new Belt for Belt joint.,8- Make necessary arrangement for Belt joint like that wooden ply clamp,and other things,9- give sufficient Belt tension.,10- Check Bearing lubrication or Roller. If damaged then replace.,11- Shift Old Belt in scrap area or take advice to site engineer for,shifting.,12- Shift all accessories and othe spare which is not required to near,new Belt.,13- Hydra Crane and other shifting machine is in Vendor scop.,STL SCOPE,1- Stl provide the safety permit for executing the work.,2- Power supply is in STL scope.	EA

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499	1008351	H471 conveyor structure repair	H471 conveyor structure repair - LDAN plant,Job description:,Vendor's scope:,1.Dismantling of damaged structure of belt conveyor H471- LDAN plant.,2.Removal of old carrying roller brackets.,3.Removal of damaged channels, plates and return rollers.,4.Cutting of 150mm channel as per size required for structure,5.Erection of channel in place of damaged channels,6.Cutting and replacement of 3mm MS plate in place of damaged plates.,7.Replacement of carrying roller brackets with new one. Also to repair,damaged brackets if required.,8.Making holes on SS sheet of hopper for skirt rubber fixing,9.Provision of additional I beam support (200mm)as instructed by,engineer.,10.Welding of all the supports, channels, beams and brackets as per,requirement.,11. Test certificate of chain block <(>&<)> lifting belt to be used is,required.,12. All the workers are required to follow safety norms.,13. PPEs like hand gloves, safety shoes, safety goggle etc are,mandatory.,14. Experienced rigger required for job execution.,DFPCL/STL Scope:,1. Issue of permit for job execution.,2. Nut bolts, channel, I beam, MS plates, etc. will be provided.,3. Scaffolding required for hopper will be provided by STL.	LE
500	1008444	REPLACEMENT OF AIR FILTER WNA-4	SCOPE OF WORK --- Replacement of Primary <(>&<)> secondary air filter in,WNA-4,VENDOR SCOPE OF WORK -,WNA-4 primary and secondary filters removal and box up,Size of primary filters - 592mmx592mmx100mm,Size of secondary filters - 592mmx592mmx305mm,Shifting of 60 primary and 60 secondary filters from store to WNA-4,plant,Remove existing all filters (primary and secondary) of WNA-4 plant,Fixing of all new 60 primary and 60 secondary filters in WNA-4 plant.,DFPCL SCOPE,Filter provide by the DFPCL,Required permit will be given by the DFPCL.,SAFETY PRECAUTIONS,1) The contractor shall follow safety rules <(>&<)> regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,2)The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions,3) The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site.,4)No person shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,5) The contractor shall provide personal protective equipment as,specified	LOT

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501	1008454	P309 pump, motor & base frame replcmnt	<p>P309 pump, motor &amp; base frame replcmnt,Job description:;1. Removal of old vacuum pump and motor from position.;2. Cutting of old base frame as per dimension of new base frame;3. Shifting of new base frame to position.;4. Shifting of new vacuum pump and motor to position by crane.;5. Welding of new base frame to be done;6. Strengthening of base frame foundation to be done as per requirement.;7. Shifting of new pump and motor to be done on base frame.;8. Box up of inlet and outlet lines after centering of pump and motor.;9. Shifting of old vacuum pump and motor to designated place as per instruction.;10. Motor weight - 850 kgs approx. and weight of vacuum pump - 1000kgs,approx.;11. Misc. cutting &amp; welding to be done if required to complete the job.;12. Job location - Stami plant, top floor.;Vendor's scope:;1. All the workers are required to follow safety norms.;2. PPEs like hand gloves, safety shoes, safety goggle etc are mandatory.;3. Experienced rigger and fitter required for job execution.;4. Lifting tools &amp; tackle with valid certificate.;5. Welding, gas cutting, etc machines in healthy condition.;DFPCL/STL Scope:;1. Crane/hydra will be provided for shifting of vacuum pump &amp; motor.;2. Issue of permit for job execution.;3. MS plate ,angle,beam, pipe, bolts etc will be provided by STL.;4. Electrical Connection, air supply will be provided by STL.;5. Technician will be provided for vacuum pump installation purpose.</p>	LE
502	1008462	MGF Candle filter Replacement in WNA-4	<p>SCOPE OF WORK --- Mixed gas Filter candle Replacement in WNA-4,SCOPE OF WORK -,Shift of Candle Filter Wooden box from ground floor to compressor floor,(approx wt 6tons),Opening of candles from holding plates (QTY 640 nos),Dismantling of removed candles,Cleaning of candle holder/fastners (QTY 640nos),Cleaning of holding plate by Air/Water,Assembly of New Candles Filter with Tie Rod,Box Up of candle filter to the holding plate,After the box up cleaning such as broken piece of candle from the working area,Shifting of wooden box from compressor floor to ground floor ( Approx 1,Tons),DFPCL Scope-,Required permit given by DFPCL,SAFETY PRECAUTIONS,1) The contractor shall follow safety rules &amp; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.;2)The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions;3) The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site.;4)No person shall be allowed at work site without safety orientation.;The contractor shall ensure that any time during the performance of the work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.;5) The contractor shall provide personal protective equipment as,specified,Mobilization,Job to be stated immediately after clearance from DFPCL coordinator and,job will be carried out in General shift of 8hrs after DFPCL clearance.</p>	LE

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503	1008474	TPM JOBS- FUGAI, NEAR MISS & SAFETY JOBS	<p>Carrying out Miscellaneous Maintenance jobs related to TPM - Fugai jobs,under AM &lt;(&gt;&amp;&lt;)&gt; PM Pillars, Near Miss and Safety jobs at our various,Plants in K-1 plot Taloja.,The services will be provided in General shift of the day and for six,days a week throughout the validity period. You will depute competent,persons for carrying out the various maintenance jobs as per the advice,of our job coordinator.,Maintenance Activities –,TPM JOBS- FUGAI, NEAR MISS &lt;(&gt;&amp;&lt;)&gt; SAFETY JOBS,Opening all type of flanged joints by de-bolting or cold/Hot, gas,cutting of fasteners wherever required, cleaning of flange faces,,cleaning and lubrication of fasteners, fixing of gasket and boxing up of,flange joint in steam, process, water lines and gland packing.,Thorough cleaning of plant equipment irrespective of their locations /,elevations within the Complex, using wire brush, water, steam,,compressed air and other related manual cleaning operation/s as per the,instruction of Engineer-in-charge.,Cleaning and lubrication of fasteners is to be done before box-up.,Replacement of gaskets of all flanged joints before box-up which were,opened for maintenance.,Opening And Re-Fixing of All Type Of Valves, from Pipe Line / Equipment,at any Elevation Including Both Ways Transportation between Plant and,Work Shop-,Opening ,Cleaning, Re-Fixing And Replacement, If required of Gauge,Glasses From Equipment at Any elevation including both ways Trans,portation between Plant &lt;(&gt;&amp;&lt;)&gt; W/Shop,Spading &lt;(&gt;&amp;&lt;)&gt; De-Spading of Equipment and Pipe lines,To remove and clean all type of filters and strainers.,Supervise all All welding work,Supervise all drilling, filing, tapping, deburring required during the,maintenance activity.,Provide necessary assistance to other departments for handling plant,emergencies,To attend training programs organized based on the identified needs for,development,Any other job relevant to the role allotted by maintenance Engineer. To,ensure proper house keeping after maintenance activity in the plant and,workshop area.,Contractors scope of work:,A contract supervisor is also required to coordinate the activities as,per instructions of job coordinator,To carry out the jobs in a manner as per the instruction of Engineer- in,- charge. Job to be performed at all heights and locations.,To take due care of items while handling and shall be liable for,recovery for the loss / damage occurred due to mishandling.,Jobs done by contractor shall be inspected by DFPCL/STL as per,Instructions of Engineer-In-Charge. If any non-conformance is observed,,contractor will attend/ rectify/ repair the same free of cost.,To mobilize sufficient resources as required for the job based on the,target date of completion.,To arrange for collection of the material as per the requisition made by,the Engineer In-charge from the stores/ designated area including,loading and unloading. Materials installed shall be strictly as per,specification.,All other jobs covered in the tender document / scope of work,Contractor to follow all safety norms as per present S.H.E. norms,indicated from time to time.,To ensure that the work planned by Engineer-in-charge is completed in,schedule. In the event of back log, the contractor to increase the,resources to make up for the unfinished work and to work during extended,hours or round the clock without any extra cost,Contractor to provide safety appliances like dust masks, safety shoes,,helmet, hand gloves, safety goggles, PPE, rain gears, Overalls etc. to,their personnel working inside the Complex at his cost and should adhere,to safety codes.,CONTRACTOR shall mobilize required resources at job site within twenty,one days of issue of WO/ LOC. Tools and Tackles will be provided by,DFPCL,1 All safety rules, regulations &lt;(&gt;&amp;&lt;)&gt; statutory regulations will be,strictly followed by the party,2 In case of failure to comply with the regulations, appropriate,deductions will be made from monthly bills by our job coordinator in,addition to penalty deduction as agreed.,3 Normal working of 8 hrs. from9.00 am to 5.30 pm for 6 days week or as,Per DFPCL requirement.</p>	EA
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For emergency jobs after office hours or on, holidays, party to mobilize the resources within 2 hours. Penalty, deductions as per twice the prorata rate for unsatisfactory services, from monthly bill., 4 Physical fitness will be by party (>&<) ensured medical test as, prescribed by DFPCL will be undertaken for potential candidate., 5 Party will accept all the requirements mentioned in the JD's given by, DFPCL for different categories un conditionally., 6 Lodging, boarding, transportation of contractor's employees., 7 Insurance of contractor's employees., 8 Contractor to follow all safety norms as per present S.H.E. norms, indicated from time to time., 9 To ensure that the work planned by Engineer-in-charge is completed in, schedule. In the event of back log, the contractor to increase the, resources to make up for the unfinished work and to work during extended, hours or round the clock without any extra cost, 10 MANPOWER TO BE ROTATED AS PER THE REQUIREMENT OF DFPCL., DFPCL scope of work:, Tools and Tackles will be provided by DFPCL, All consumables will be provided by DFPCL., NOTE: -, 1 The job mentioned above are indicative and the list can be added, /deleted as per M/s DFPCL requirement., 2 As already stated, the services need to be provided on all the 6 days, of the week. You will not charge extra charges to DFPCL for providing, the services on Public Holidays., 3 In case of laxity of efforts on your, resulting into failure to, complete a job neatly (>&<) /or Timely the same can be completed by us, departmentally /by appointing another Contractor for the same and such, extra expenses incurred by DFPCL will be recovered from the monthly, compensation payable to you., 4 PARTY WILL SUBMIT THE BIODATA OF SUITABLE CANDIDATE TO DFPCL (>&<), DFPCL ENGINEER WILL TAKE THE INTERVIEW OF ALL THE CANDIDATES BEFORE, FINALISATION.

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504	1008901	D2- 0105-A Open & Box-up in S/D	<p>D2- 0105-A Open &amp; Box-up of Water Cooler in S/D, Exchangers Details:, DOME Details : First dome - 787 mm, Second dome - 457 mm, Dome flanges: Inlet - 12"x300# (1nos), Outlet - 12"x300# ( 1 nos), SHELL flanges details: Inlet - 10"x150#( 1 nos) , Outlet - 10"x150# (1,Nos), 3. Opening of Dome cover flange, after proper match marking. Provide any, blinds in connecting lines if required for any job of the equipment., 4. Cleaning of gasket seating area of shell, shell flange, channel, channel cover and all studs/ bolts., 5. Boxing up all the channel/ shell end covers. Cover tightening /, sequence shall be as per standard., 6. Contractor shall arrange sufficient tools &amp; tackles for timely , completion of all jobs., 7. Contractor shall keep manpower ready for leak attending when the, plant has been started up., 8. If any bolts requires to be cut that will not be considered as, additional job., 9. Scaffolding wherever necessary for the job shall be provided by the , contractor. Scaffolding shall be removed only on total completion of the, job., 10. Weld plug if required for any leaky tube. Abnormality if any,, observed during any stage of the job shall be immediately brought into, the notice of DFPCL/STL job coordinator., 11. All dismantled spares shall be properly stored, DFPCL/STL shall not, be responsible for any loss of components., 12. Additional work if any required to be done in addition to the given, scope of work, shall be informed to the job co- ordinator before doing, the work., 13. Contractor shall fulfill all the conditions of safety permit and, ensure availability of all necessary PPE's., 14. Contractor shall be responsible for the housekeeping of his, workplaces and shall remove all unwanted materials from the work site, immediately after completion of work. Housekeeping shall also be done, in between the work to keep the work area clean &amp; tidy., 15. All the lifting equipments must have valid Form 11., 16. Crane &amp; Hydra if required., DFPCL/STL SCOPE : 1. Work Permit, 2. Electricity, air will be in DFPCL/STL scope, SAFETY PRECAUTIONS, i) The contractor shall follow safety rules &amp; regulations, safety, procedures as per the safety standards and comply with the safety, requirements., ii) Total job (rigging &amp; replacement) should be carried out under, 24x7 skilled Engineer/Supervisor., iii) The contractor is required to deploy persons for specific jobs who, are trained and skilled in activity and well familiar with hazards and, safety precautions., iv) The supervisor/staff of the contractors are required to undergo, safety orientation before they are assigned work at site. No person, shall be allowed at work site without safety orientation., v ) Contractor shall ensure that any time during the performance of the, work his personnel are fit to execute the tasks assigned and are not, under the influence of any alcoholic liquor, drug or other intoxicating, substances., vi) The contractor shall provide personal protective equipment as, specified to it's staff and workmen such as, safety helmets, safety, shoes, safety goggles, ear plugs, hand gloves, safety harness / belts,, overalls, gum boots etc. and other work equipment as required for safe, execution of work at his cost. Special PPEs/ safety appliances, if, required for any job as mentioned below job may be provided by the, company, on chargeable / returnable basis (cost of repair or damage as a result, of mishandling will be charged from the contractor)., WORKING HOURS, Normal working time shall be same as the general shift timing of the, respective sites. This will be 8 working hours excluding lunch time., However based on the job requirement during the planned, /unplanned shutdown/ emergencies or as per plant requirement and, instructions of EIC.</p>	EA
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505	1008902	D2- 0107 Open & Box-up in S/D	<p>D2- 0107 Open &amp; Box-up of Final gas cooler in S/D, Exchangers Details:, DOME Details : First dome - 558 mm, Second dome - 558 mm, Dome flanges: Inlet - 6"x150# (1nos), Outlet - 6"x150# ( 1 nos), SHELL flanges details: Inlet - 6"x150# ( 2 nos) , Outlet - 8"x150# (1,Nos), 3. Opening of Dome cover flange, after proper match marking. Provide any blinds in connecting lines if required for any job of the equipment., 4. Cleaning of gasket seating area of shell, shell flange, channel, channel cover and all studs/ bolts., 5. Boxing up all the channel/ shell end covers. Cover tightening /, sequence shall be as per standard., 6. Contractor shall arrange sufficient tools &amp; tackles for timely , completion of all jobs., 7. Contractor shall keep manpower ready for leak attending when the, plant has been started up., 8. If any bolts requires to be cut that will not be considered as, additional job., 9. Scaffolding wherever necessary for the job shall be provided by the , contractor. Scaffolding shall be removed only on total completion of the, job., 10. Weld plug if required for any leaky tube. Abnormality if any,, observed during any stage of the job shall be immediately brought into, the notice of DFPCL/STL job coordinator., 11. All dismantled spares shall be properly stored, DFPCL/STL shall not, be responsible for any loss of components., 12. Additional work if any required to be done in addition to the given, scope of work, shall be informed to the job co- ordinator before doing, the work., 13. Contractor shall fulfill all the conditions of safety permit and, ensure availability of all necessary PPE's., 14. Contractor shall be responsible for the housekeeping of his, workplaces and shall remove all unwanted materials from the work site, immediately after completion of work. Housekeeping shall also be done, in between the work to keep the work area clean &amp; tidy., 15. All the lifting equipments must have valid Form 11., 16. Hydra &amp; Crane If required, DFPCL/STL SCOPE : 1. Work Permit, 2. Electricity, air will be in DFPCL/STL scope, SAFETY PRECAUTIONS, i) The contractor shall follow safety rules &amp; regulations, safety, procedures as per the safety standards and comply with the safety, requirements., ii) Total job (rigging &amp; replacement) should be carried out under, 24x7 skilled Engineer/Supervisor., iii) The contractor is required to deploy persons for specific jobs who, are trained and skilled in activity and well familiar with hazards and, safety precautions., iv) The supervisor/staff of the contractors are required to undergo, safety orientation before they are assigned work at site. No person, shall be allowed at work site without safety orientation., v ) Contractor shall ensure that any time during the performance of the, work his personnel are fit to execute the tasks assigned and are not, under the influence of any alcoholic liquor, drug or other intoxicating, substances., vi) The contractor shall provide personal protective equipment as, specified to it's staff and workmen such as, safety helmets, safety, shoes, safety goggles, ear plugs, hand gloves, safety harness / belts,, overalls, gum boots etc. and other work equipment as required for safe, execution of work at his cost. Special PPEs/ safety appliances, if, required for any job as mentioned below job may be provided by the, company, on chargeable / returnable basis (cost of repair or damage as a result, of mishandling will be charged from the contractor), WORKING HOURS, Normal working time shall be same as the general shift timing of the, respective sites. This will be 8 working hours excluding lunch time., However based on the job requirement during the planned, /unplanned shutdown/ emergencies or as per plant requirement and, instructions of EIC.</p>	EA
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506	1008909	D2-2102 Open & Box-up in S/D	<p>D2-2102 Open &lt;(&gt;&amp;&lt;)&gt; Box-up CT turbine oil cooler in S/D,Exchangers Details:,DOME Details : First dome - 200 mm, Second dome - 200 mm,Dome flanges: Inlet - 2"x150# (1nos), Outlet - 2"x150#( 1 nos),SHELL flanges details: Inlet - 2"x150#( 1 nos) , Outlet - 2"x150# (1,Nos),3. Opening of Dome cover flange, after proper match marking.Provide any,blinds in connecting lines if required for any job of the equipment.,4. Cleaning of gasket seating area of shell, shell flange, channel,,channel cover and all studs/ bolts.,5. Boxing up all the channel/ shell end covers. Cover tightening /,sequence shall be as per standard.,6. Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely ,completion of all jobs.,7. Contractor shall keep manpower ready for leak attending when the,plant has been started up.,8. If any bolts requires to be cut that will not be considered as,additional job.,9. Scaffolding wherever necessary for the job shall be provided by the ,contractor. Scaffolding shall be removed only on total completion of the,job.,10. Weld plug if required for any leaky tube. Abnormality if any,,observed during any stage of the job shall be immediately brought into,the notice of DFPCL/STL job coordinator.,11. All dismantled spares shall be properly stored, DFPCL/STL shall not,be responsible for any loss of components.,12. Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co- ordinator before doing,the work.,13. Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,14. Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work site,immediately after completion of work. Housekeeping shall also be done,in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,15. All the lifting equipments must have valid Form 11.,DFPCL/STL SCOPE :;1. Work Permit,2. Electricity, air will be in DFPCL/STL scope,SAFETY PRECAUTIONS,i) The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii) Total job (rigging &lt;(&gt;&amp;&lt;)&gt; repalcement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii) The contractor is required to deploy persons for specific jobs who,are trained and skilled in activity and well familiar with hazards and,safety precautions.,iv) The supervisor/staff of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,v ) Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,vi) The contractor shall provide personal protective equipment as,specified to it's staff and workmen such as, safety helmets, safety,shoes, safety goggles, ear plugs, hand gloves, safety harness / belts,,overalls, gum boots etc. and other work equipment as required for safe,execution of work at his cost. Special PPEs/ safety appliances, if,required for any job as mentioned below job may be provided by the,company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKING HOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,/unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC.</p>	EA
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507	1008911	D2-3702 Open & Box-up in S/D	<p>D2-3702 Open &lt;(&gt;&amp;&lt;)&gt; Box-up of IA dryer percooler in S/D,Exchangers Details:,DOME Details : First dome - 863 mm, Second dome - 863 mm,Dome flanges: Inlet - 10"x150# (1nos), Outlet - 10"x150#( 1 nos),SHELL flanges details: Inlet - 6"x300#( 1 nos) , Outlet - 2"x300# (1,Nos),3. Opening of Dome cover flange, after proper match marking.Provide any,blinds in connecting lines if required for any job of the equipment.,4. Cleaning of gasket seating area of shell, shell flange, channel,,channel cover and all studs/ bolts.,5. Boxing up all the channel/ shell end covers. Cover tightening /,sequence shall be as per standard.,6. Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely ,completion of all jobs.,7. Contractor shall keep manpower ready for leak attending when the,plant has been started up.,8. If any bolts requires to be cut that will not be considered as,additional job.,9. Scaffolding wherever necessary for the job shall be provided by the ,contractor. Scaffolding shall be removed only on total completion of the,job.,10. Weld plug if required for any leaky tube. Abnormality if any,,observed during any stage of the job shall be immediately brought into,the notice of DFPCL/STL job coordinator.,11. All dismantled spares shall be properly stored, DFPCL/STL shall not,be responsible for any loss of components.,12. Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co- ordinator before doing,the work.,13. Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,14. Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work site,immediately after completion of work. Housekeeping shall also be done,in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,15. All the lifting equipments must have valid Form 11.,16. Hydra &lt;(&gt;&amp;&lt;)&gt; Crane if required.,DFPCL/STL SCOPE :;1. Work Permit,2. Electricity, air will be in DFPCL/STL scope,SAFETY PRECAUTIONS,i) The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii) Total job (rigging &lt;(&gt;&amp;&lt;)&gt; repalcement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii) The contractor is required to deploy persons for specific jobs who,are trained and skilled in activity and well familiar with hazards and,safety precautions.,iv) The supervisor/staff of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,v ) Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,vi) The contractor shall provide personal protective equipment as,specified to it's staff and workmen such as, safety helmets, safety,shoes, safety goggles, ear plugs, hand gloves, safety harness / belts,,overalls, gum boots etc. and other work equipment as required for safe,execution of work at his cost. Special PPEs/ safety appliances, if,required for any job as mentioned below job may be provided by the,company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKING HOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,,unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC.</p>	EA
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508	1008915	D2-4013 A/B Open & Box-up in S/D	<p>D2-4013 A/B Open &lt;(&gt;&amp;&lt;)&gt; Box-up of process condensate feed in S/D,Exchangers Details:,DOME Details : First dome - 1000 mm, Second dome - 800 mm,Dome flanges: Inlet - 3"x300#( 2 nos) , Outlet - 3"x300# (2 Nos),SHELL flanges details: Inlet - 3"x300#( 2 nos) , Outlet - 3"x300# (2,Nos),3. Opening of Dome cover flange, after proper match marking.Provide any,blinds in connecting lines if required for any job of the equipment.,4. Cleaning of gasket seating area of shell, shell flange, channel,,channel cover and all studs/ bolts.,5. Boxing up all the channel/ shell end covers. Cover tightening /,sequence shall be as per standard.,6. Contractor shall arrange sufficient tools &lt;(&gt;&amp;&lt;)&gt; tackles for timely ,completion of all jobs.,7. Contractor shall keep manpower ready for leak attending when the,plant has been started up.,8. If any bolts requires to be cut that will not be considered as,additional job.,9. Scaffolding wherever necessary for the job shall be provided by the ,contractor. Scaffolding shall be removed only on total completion of the,job.,10. Weld plug if required for any leaky tube. Abnormality if any,,observed during any stage of the job shall be immediately brought into,the notice of DFPCL/STL job coordinator.,11. All dismantled spares shall be properly stored, DFPCL/STL shall not,be responsible for any loss of components.,12. Additional work if any required to be done in addition to the given,scope of work, shall be informed to the job co- ordinator before doing,the work.,13. Contractor shall fulfill all the conditions of safety permit and,ensure availability of all necessary PPE's.,14. Contractor shall be responsible for the housekeeping of his,workplaces and shall remove all unwanted materials from the work site,immediately after completion of work. Housekeeping shall also be done,in between the work to keep the work area clean &lt;(&gt;&amp;&lt;)&gt; tidy.,15. All the lifting equipments must have valid Form 11.,16. Hydra &lt;(&gt;&amp;&lt;)&gt; Crane if required.,DFPCL/STL SCOPE :;1. Work Permit,2. Electricity, air will be in DFPCL/STL scope,SAFETY PRECAUTIONS,i) The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,ii) Total job (rigging &lt;(&gt;&amp;&lt;)&gt; repalcement)should be carried out under,24x7 skilled Engineer/Supervisor.,iii) The contractor is required to deploy persons for specific jobs who,are trained and skilled in activity and well familiar with hazards and,safety precautions.,iv) The supervisor/staff of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,v ) Contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,vi) The contractor shall provide personal protective equipment as,specified to it's staff and workmen such as, safety helmets, safety,shoes, safety goggles, ear plugs, hand gloves, safety harness / belts,,overalls, gum boots etc. and other work equipment as required for safe,execution of work at his cost. Special PPEs/ safety appliances, if,required for any job as mentioned below job may be provided by the,company,on chargeable / returnable basis (cost of repair or damage as a result,of mishandling will be charged from the contractor).,WORKING HOURS,Normal working time shall be same as the general shift timing of the,respective sites. This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned,,unplanned shutdown/ emergencies or as per plant requirement and,instructions of EIC.</p>	EA
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509	1008965	HRS1/2 exp. bellow fabric replacement	Scope of vendor:1. Arranging competent manpower along with all safety PPES, tools,<(>&<)> tackles to execute the job.,2. Locking the expansin joint at all 4 side by welding additional,support to avoid movement of joint while removal and installation of new,non metallic fabric.,3. Removal of clamp flat and M12 bolts and nut. removal of old 200 mm x,1" non metallic fabric around 16 to 20 mtr long.,4. Shifting new fabric from store to HRS1/2 site.,5. Making M12 holes as per original design on 200mm x 1" thick non,metallic fabric on both side for clamping arrangement.,6. Installation of new fabric all around the expansion joint and,fastening with M12x50mm fastners.,7. Additional support to be removed after job completion.,8. Housekeeping to be done.,DFPCL scope:1. Arranging scaffolding at site.,2. Arranging hot work /cold work permit, Air, Electricity etc.	EA
510	1009020	Boiler stich weld 3mm plate rem/fixing	Vendor scope:1. Arranging all competent manpower along with all safety PPES, tools,<(>&<)> tackles , fabrication consumables at site.,2. Dismantling/removal of existing 3mm thick tack weld/stich weld,boiler plate by using grinder <(>&<)> cutting set.,3. Straightening the plates, edge to be ginded and keep aside for reuse.,4. As per Engineers clearance again fixing on position with tack,weld/stich weld.,5. House keeping to be done after job completion.,DFPCL scope:1. Scaffolding arrangement.,2. Arranging water, electricity and permit for job.	KG
511	1009332	Welding of Pipe/Plate without filler	Scope of Work - To Perform SCH 40 SS904L/Superduplex Pipe Fabrication,And Welding Without Filler Wire.,Contractors Scope of Work - Fabrication And Welding of SS Pipes,904L/Superduplex With Argon Purging From Inside.The,Scope of Work shall Include Transportation of Pipes From Store to,Worksite, Cutting of Pipes, Edge Preperation of The,Pipes, Making Fit Up and Carrying Out Welding and Necessary Dressing.,Returning Balance Material to Store. DP Kit,Include In Contractor Scope and After Each Root Welding Joint DP to be,Perform Over Welding Joint.,DSTL/DFPCL/PCL Scope - Filler Wire Require For Welding Provide by,DSTL/DFPCL/PCL.,Safety Precaution - Job Should Not Perorm Without Notification And,Permit. Pipe should be Wear During Job Execution.,In Every Shift Change Permit should be Renew by Supervisor.,Time Schedule - The Job should be Complete Within Time Limit, Otherwise,Dstl Engineer Have Right to Minimise the Bill,Amount as Penalty.,Housekeeping - After Housekeeping And Trial Permit should Handover. DSTL,Engineer Have Right to Deduct Amount From Bill,For Poor or Late Housekeeping.	IND

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512	1009423	GT1/2 Divertor Damper Seal Replacement	<p>Scope of Work :,1. Unscrewing/Dismantling and removal of GT1/2 divertor damper blade 1,and blade 2 seals.,2. Installation of new SS seals under the supervision of M/S,Fluidcontrol consulatant.,Damper Size-1100X1100mm.,Reference Drawing Number-FCS/Seal/02 and FCS/Seal/03.,Contractor's Scope of Work :,1. Arrangement of competent manpower along with PPES, all tools &lt;(&gt;&amp;&lt;&gt;),tackles, welding consumable and,equipment for replacement of SS 0.3~0.5mm thick plate seals.,2. Shifting of material from store to site. Opening of diverter damper,by pneumatic cylinders.,And locking in position by chain pulley block if required.,3. Unscrewing/Cutting/Grinding and removal of existing damaged seals,inside confined space.,If require, broken bolts/screw to be remove by welding and then,unscrewing.,4. Making edge preparation existing location of seals by grinding if,require.,5. Install new seals and fastened with new screw under the guidance and,supervision of,M/s.Fluidcontrol solutions Consultant/supervisor.,6. Trial to be taken of diverter damper for safe and leakproof operation,and if required necessary,corrections/rectification to be done.,DFPCL Scope of Work:,1. Arrangement of scaffolding.,2. Arrangement of permit, air, electricity, water .,3. Arrangement of damper seals and screw.,Job Co-ordinator :,Gr1 Mech Utility Engineer.,Safety Precautions :,1. DFPCL safety rules and regulations to be followed for confined space,,fab and lifting shifting job.,2. All tools and tackles to be certified from statutory authority and,form 11 to be produce on job site. whenever ask.,3. All electrical equipment should be checked from DFPCL elctrical,department and electrical checklist to be filled and,certified from electrical department before starting job.,4. Power distribution board should have 30mAmp ELCB.,5. Job to be performed safely without any near miss.,Time Schedule :,Job to be completed within 3~4 days. No workers to work more than 12hrs,per day.,Housekeeping :,After job completion housekeeping to be done and scrap material to be,shifted to designated place.</p>	EA
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513	1009424	GT1/2 MLD FD Fan Damper Seal Replacement	<p>Scope of Work :,1. Unscrewing/Dismantling and Removal of GT1/2 Duplex MLD FD fan damper,seals.,2. Installation of new SS seals under the supervision of M/S,Fluidcontrol consultant.,Reference Drawing Number-FCS/Seal/01.,Contractor's Scope of Work :,1. Arrangement of competent manpower along with PPES, all tools &lt;(&gt;&amp;&lt;)&gt;,tackles, welding consumable and equipment for,replacement of SS 0.3~0.5mm thick plate seals.,2. Shifting of material from store to site. Opening of manhole,500X500mm. Operating FD fan MLD damper by pneumatic,cylinders and locking in position by chain pulley block if required.,3. Unscrewing/Cutting/Grinding and removal of existing damaged seals,inside confined space.,If require, broken bolts/screw to be remove by welding and then,unscrewing.,4. Making edge preparation existing location of seals by grinding if,require.,5. Install new seals and fastened with new screw under the guidance and,supervision of,M/S Fluidcontrol solutions Consultant/supervisor.,6. Trial to be taken of damper for safe and leakproof operation and if,required necessary corrections/rectification,to be done.,DFPCL Scope of Work :,1. Arrangement of scaffolding.,2. Arrangement of permit, air, electricity, water.,3. Arrangement of damper seals and screw.,Job Co-ordinator :,Gr1 Mech Utility Engineer.,Safety Precautions :,1. DFPCL safety rules and regulations to be followed for confined space,,fab and lifting shifting job.,2. All tools and tackles to be certified from statutory authority and,form 11 to be produce on job site whenever ask.,3. All electrical equipment should be checked from DFPCL electrical,department and electrical checklist to be filled and,certified from electrical department before starting job.,4. Power distribution board should have 30mAmp ELCB.,5. Job to be performed safely without any near miss.,Time Schedule :,Job to be completed within 3~4 days. No workers to work more than 12hrs,per day.,Housekeeping :,After job completion housekeeping to be done and scrap material to be,shifted to designated place.</p>	EA
514	2001226	MOTOR LIFTING SHIFTING 90 KW 950KG	VENDOR'S SCOPE OF WORK,1)REMOVAL OF MOTOR FONDATION BOLT,TAGGING OF MOTOR,2)LIFTING AND SHIFTING OF MOTOR FROM PLANT TO WORKSHOP,3)LOADING OF MOTOR TO VEHICLE,4)UNLOADING OF MOTOR FROM VEHICAL,5)SHIFTING OF MOTOR FROM WORKSHOP TO FOUNDATION AFTER O/H,6) TOOLS TACKELS,TROLLY,CEILING BELT, D-SHACKLE,RIGGER,7) USE OF SAFETY PPE,8) HOUSEKEEPING AFTER WORK	EA
515	2001227	MOTOR LIFTING SHIFTING 75 KW 900KG	VENDOR'S SCOPE OF WORK,1)REMOVAL OF MOTOR FONDATION BOLT,TAGGING OF MOTOR,2)LIFTING AND SHIFTING OF MOTOR FROM PLANT TO WORKSHOP,3)LOADING OF MOTOR TO VEHICLE,4)UNLOADING OF MOTOR FROM VEHICAL,5)SHIFTING OF MOTOR FROM WORKSHOP TO FOUNDATION AFTER O/H,6) TOOLS TACKELS,TROLLY,CEILING BELT, D-SHACKLE,RIGGER,7) USE OF SAFETY PPE,8) HOUSEKEEPING AFTER WORK	EA
516	2001229	MOTOR LIFTING SHIFTING 18.5 KW 285KG	VENDOR'S SCOPE OF WORK,1)REMOVAL OF MOTOR FONDATION BOLT,TAGGING OF MOTOR,2)LIFTING AND SHIFTING OF MOTOR FROM PLANT TO WORKSHOP,3)LOADING OF MOTOR TO VEHICLE,4)UNLOADING OF MOTOR FROM VEHICAL,5)SHIFTING OF MOTOR FROM WORKSHOP TO FOUNDATION AFTER O/H,6) TOOLS TACKELS,TROLLY,CEILING BELT, D-SHACKLE,RIGGER,7) USE OF SAFETY PPE,8) HOUSEKEEPING AFTER WORK	EA

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517	2001230	MOTOR LIFTING SHIFTING 37 KW 350KG	VENDOR'S SCOPE OF WORK,1)REMOVAL OF MOTOR FONDATION BOLT,TAGGING OF MOTOR,2)LIFTING AND SHIFTING OF MOTOR FROM PLANT TO WORKSHOP,3)LOADING OF MOTOR TO VEHICLE,4)UNLOADING OF MOTOR FROM VEHICAL,5)SHIFTING OF MOTOR FROM WORKSHOP TO FOUNDATION AFTER O/H,6) TOOLS TACKELS,TROLLY,CEILING BELT, D-SHACKLE,RIGGER,7) USE OF SAFETY PPE,8) HOUSEKEEPING AFTER WORK	EA
518	3000137	TRPTN. OF 2.0" X 300# CONTROL VALVE	REMOVAL OF CONTROL VALVE FROM SITE PIPELINE, SHIFTING TO AND FROM,WORKSHOP TO SITE AND RE-INSTALLATION OF RE-CONDITIONED CONTROL VALVE	EA
519	3000484	REMOVE & RE-INSTALL VLV UPTO2",UPTO 600#	Removing of valves from lines and re-installing.,SIZE: UPTO 2.0 INCH, UPTO 600LBS.	EA
520	3000488	REMOVE & RE-INSTALL VLV 2.5-4",UPTO 600#	Removing of valves from lines and re-installing.,SIZE: 2.5 TO 4.0 INCH, UPTO 600LBS.	EA
521	3000492	REMOVE & RE-INSTALL VLV 6-8",UPTO 600#	Removing of valves from lines and re-installing.,SIZE: 6.0 TO 8.0 INCH, UPTO 600LBS.	EA
522	3000548	Fabrication & Erection of structure	CONTRACTOR SCOPE-,1) Fabrication and erection of structural includes transportation of,structural material from stores/yard to worksite.,2)Fabrication and erection to be done as per the drawing or requirement,<(>&<)> returning,the balance material to stores.,3)The fabricated items shall be measured and converted to weight basis,for billing purpose. If the structure is made up of pipes, it will also,be paid on the basis of,weight only.,DFPCL SCOPE-,1) MATERIAL LIKE ANGLE , CHANNEL (MS , CS , SS) WILL BE PROVIDED.,2)PROVOSION OF POWER CONNECTION, WATER.	KG
523	3000588	2",150# Removal & Boxup control valve	VENDORS SCOPE:-,Removal of control valves with actuator and shfting to workshop,and re-installation including flange and flange box-up. job,includes opening of flanges, removal of control valve, transporting it,to workshop and back to the site after repair and boxing up of flanges,Opening <(>&<)> boxing up of flanges is part of the scope of job.,DFPCL SCOPE:- 1.Control Valve,TB 2. Safety permit.	LE
524	3000598	REMOVAL, INSTALLATION OF 4"#150 VALVE	VENDOR'S SCOPE OF WORK,1. REMOVAL OF 4" # 150 SIZE VALVE FROM LINE IN FIELD,2. LIFTING AND SHIFTING OF VALVE TO THE WORK SHOP,3. INSTALLATION OF VALVE WITH NEW GASKETS,4. USE OF PROPER PPE AND TOOLS WHILE WORKING ON JOB,DFPCL SCOPE,1. PROVIDE SAFETY PERMIT WITH PROPER ISOLATION AND DRAINING OF LINE,2. PROVIDE REQUIRED GASKETS AND NUT-BOLTS FOR INSTALLATION,3. ENSURE PROPER SAFETY LIKE PPE ETC FROM VENDOR	EA
525	3000601	REMOVAL, INSTALLATION OF 3"#150 VALVE	VENDOR'S SCOPE OF WORK,1. REMOVAL OF 3" # 150 SIZE VALVE FROM LINE IN FIELD,2. LIFTING AND SHIFTING OF VALVE TO THE WORK SHOP,3. INSTALLATION OF VALVE WITH NEW GASKETS,4. USE OF PROPER PPE AND TOOLS WHILE WORKING ON JOB,DFPCL SCOPE,1. PROVIDE SAFETY PERMIT WITH PROPER ISOLATION AND DRAINING OF LINE,2. PROVIDE REQUIRED GASKETS AND NUT-BOLTS FOR INSTALLATION,3. ENSURE PROPER SAFETY LIKE PPE ETC FROM VENDOR	EA
526	3001240	4 "300# control valve removal	Scope of Vendor,Control valve removal from pipe line,Shifting to the testing lab,Reinstallation of control valve to the pipe line,Valve Size - 4" 300#,Scope of DFPCL/STL,Issuing Permit for removal and reinstallation,Nut bolt and gasket will provide	EA

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527	3002022	Removal, boxup MOV 12" X 600#	VENDOR SCOPE OF WORK,Removal of MOV 12" X 600# with actuator and Valve and shifting shifting,the same to workshop.,The scope of job includes opening of flanges, removal of MOV valve,,Transporting it to workshop and back to the site after repair and boxing,up of flanges.,Crane machinery will be in vendor scope for removal and boxup.,Scaffolding and other necessary will be in scope of vendor.,Boxup of MOV with actuator and valve.,DFTP SCOPE OF WORK,1. DFTP/STP will provide electricity and water,SAFETY PRECAUTIONS,The contractor shall follow safety rules <(>&<)> regulations, safety,procedures as per the safety standards and,comply with the safety requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and,well familiar with hazards and safety precautions.,The site staff are required to undergo safety orientation before they,assigned work at site.,No person shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute,the tasks assigned and are not under the influence of any alcoholic,liquor, drug or other intoxicating substances.,The vendor shall provide personal protective equipment as specified to,it's staff and workmen such as, safety helmets,,safety shoes, safety goggles, ear plugs, hand gloves, safety harness /,belts, overalls, gum boots etc.,WORKINGHOURS,Normal working time shall be same as the general shift timing of the,respective sites.,This will be 8 working hours excluding lunch time.,However based on the job requirement during the planned /unplanned,shutdown/ emergencies or as per plant,requirement and instructions of EIC, contractor shall work beyond normal,working hours also.,No separate / additional compensation shall be payable for the same.,MOBILIZATION,Inc case of emergency or shutdown, contractor shall mobilize all required,resources and start,the work within 24 hours of instruction of EIC.	EA
528	3002127	10",300# Removal & Boxup control valve	10",300# Removal <(>&<)> Boxup control valve,SCOP OF WORK FOR VENDOR,"1)Removal of control valves with actuator from process line, all tools,<(>&<)> tackle are in vendor scope like spanner, cutting set, grander,,hack saw, Chain block.,2) After removal of valve Blind Provision to Process Line,3) transporting from field to workshop and back to the site after repair,4) Before Installation Gasket suitability <(>&<)> Flow direction to be,insured by Vendor Supervisor from STL Inst Engg.,5) Proper tightening of flange with gasket <(>&<)> if leakage is,available tightening to be done online or offline as per requirement,of STL.,6) All Safety instruction to be followed as per STL Guideline <(>&<)>,stated in PO,7) All lifting tools shall be tested.,8) Supervision for removal, installation <(>&<)> lifting shifting in,vendor scop.,9) vendor Should not close the job or Leave STL site without clearance,from STL Engg.,STL SCOPE:- 1. Safety permit.2. Hydra/Crane. 3. Scaffolding. 4.Gasket,<(>&<)> Stud Bolt,"	EA
529	4000360	Fab.Erec.structural steel for pipe racks	Fabrication, erection of structural steel for pipe racks, purlins,,rafters, trusses, staircases, ladder, gangway platform, railing,,chequered plate for flooring grating, platforms drains, cable trench,,earthing pit, manure covers etc. as per reqmt including shop welding,,field welding, bolting, jointing, including all consumables and,equipment, machineries at all levels including hoisting and erecting,complete as specified and directed. (item includes taking out steel,from Stores and return balance steel to Stores).	MT

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530	4000363	Gas cutting of existing structural steel	complete as directed by engineer incharge. Gas cutting of,existing structural steel sections as per requirement or reusing,the old structure / returning structural steels to stores as,directed by Engineer Incharge.	MT
531	4000365	Supply & fixing anchor fasteners 16mm d	Anchor Fasteners : supplying and fixing anchor fasteners to the RCC,columns, beams, slabs a masonry walls at any elevation including,necessary scaffolding and drilling tools etc.	EA
532	4000467	Prov.& apply str.PU paint with primer	Contractor's Scope :.,1) Prov. <(>&<)> Applying 1 Coat of Primer <(>&<)> 2 Coats of high built,Polyurathane Paint,2) Surface preparation by Mechanical cleaning using Sand Paper, Grinder,,Etc. Complete.,3) Thickness of primer coat should be 90 microns minimum.,4) Thickness of each coat of Paint should be 40 microns.,5) Make of paint should be Berger, Asian or Nerolac with approved Shade.,6) Necessary permits to be taken <(>&<)> safety rules <(>&<)>,regulations must be followed.,DFPCL Scope ;.,1) Electricity, water will be provided free of Cost for work inside,DFPCL premises.,2) Issuing the permit after complete preparation by Contractor.	M2

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533	4000544	Prov., Fab.,Erec.struct. steel(0 to 6 )m	<p>Contractor's Scope :1) Providing, fabricating, erecting of Structural Steel for pipe rack,,purlins , rafters, trusses, as per requirement.,2) Staircase, ladders, platforms, trench covers, drain covers, etc, are,also included in item .,3) The job is inclusive of Shop welding, Field welding, Bolting ,,Jointing, complete.,4) The job is inclusive of all equipments, consumables &lt;(&gt;&amp;&lt;)&gt;,machinaries.,DFPCL Scope :1) Electric supply &lt;(&gt;&amp;&lt;)&gt; Water will be provided free of cost for works,within company premises.,SAFETY PRECAUTIONS,The contractor shall follow safety rules &lt;(&gt;&amp;&lt;)&gt; regulations, safety,procedures as per the safety standards and comply with the safety,requirements.,The contractor is required to deploy persons for specific jobs who are,trained and skilled in particular trade and well familiar with hazards,and safety precautions.,The site staff and workers of the contractors are required to undergo,safety orientation before they are assigned work at site. No person,shall be allowed at work site without safety orientation.,The contractor shall ensure that any time during the performance of the,work his personnel are fit to execute the tasks assigned and are not,under the influence of any alcoholic liquor, drug or other intoxicating,substances.,The contractor shall provide personal protective equipment as specified to it's staff and workmen such as, safety helmets, s,WORKINGHOURS,Normal working time shall be same as the general shift timing of the respective sites. This will be 8 working hours excludin,MOBILIZATION,Contractor shall arrange for necessary materials, workmen and,supervision to start the work within 48 hours of instruction from EIC.,Incase of emergency or shutdown, contractor shall mobilize all required,resources and start the work within 24 hours of instruction of EIC.,To &lt;(&gt;&amp;&lt;)&gt; fro transportation of the equipment shall be arranged by,contractor. However mobile crane/tractor, EOT/ HOT facilities, if,required for loading/unloading supply of slings and movement of the,machine at site shall be provided by Company, free of charge. However,actual activities of loading/ unloading, internal shifting of machines,shall have to be done by contractor's manpower.,HOUSEKEEPING,It is the responsibility of the contractor to ensure good housekeeping,at work site. The scrap debris, unwanted material etc. shall be removed,frequently from the work place to avoid accident and work area shall be,kept tidy. Gangways shall be kept clear of obstructions. Contractor,shall deploy dedicated personnel for housekeeping.,JOB COMPLETION TIME,The total contract duration is as specified in the contract. However for,individual works from time to time as and when need arises, separate,intimations shall be issued from individual plants/ EIC. Contractor,shall ensure mobilization of all required resources and completion of,the job including dismantling, etc. as per EIC instructions.</p>	MT
534	1003171	REPLACE BELT OF WM 301 CONVEYOR 25 M LG.		EA

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535	1003893	O&B MANHOLE COVER FLANGES 18" X 150#	<p>Opening and boxing up of Manhole cover flanges 18" x 150# for various vessels Contractor's scope of work includes-</p> <ol style="list-style-type: none"> <li>1. Opening of manhole covers after getting clearance.</li> <li>2. Cleaning of all studs and nuts, gasket seating area on nozzle and cover flanges.</li> <li>3. Box up the manhole covers after getting clearance.</li> <li>4. Arrange sufficient tools and tackles, skilled manpower &amp; supervisor for execution of the job on round the clock basis.</li> <li>5. Scaffolding if necessary for the job shall be provided by the contractor.</li> <li>6. Hot tightening to be carried out wherever necessary during / after plant start up.</li> <li>7. All stud and nuts to be reused after cleaning &amp; applying grease.</li> <li>8. If any bolts requires to be cut that will not be considered as additional job.</li> <li>9. Abnormality if any, observed during any stage of the job shall be immediately brought into the notice of DFPCL job coordinator.</li> <li>10. All dismantled nuts and bolts/ studs shall be properly stored, DFPCL shall not be responsible for any loss of components.</li> <li>11. Additional work if any required to be done in addition to the given scope of work, shall be informed to the job co-ordinator before doing the work.</li> <li>12. Contractor shall fulfill all the conditions of safety permit and ensure availability of all necessary PPE's.</li> <li>13. Contractor shall be responsible for the housekeeping of his workplaces and shall remove all unwanted materials from the work site immediately after completion of work. Housekeeping shall also be done in between the work to keep the work area clean &amp; tidy.</li> <li>14. Quantity of job given is tentative and may vary as per DFPCL requirement, payment shall be done only on the basis of actual job done.</li> </ol> <p>DFPCL SCOPE OF SUPPLY</p> <ol style="list-style-type: none"> <li>1 Power, water, grease and cleaners .</li> <li>2. New Gaskets for the Manhole cover flanges.</li> <li>3. Replacement of worn out flanges.</li> </ol>	EA
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**ANNEXURE IV**  
**Additional Terms and Conditions**

**1 GENERAL:**

There are to apply as additional specifications and conditions, unless otherwise already provided for contradictorily elsewhere in this contract.

**2 CONTRACTOR TO STUDY SITE CONDITIONS:**

The Contractor shall be deemed to have carefully examined the work and site conditions including labour, the general and the special conditions, specifications, schedules and drawing and shall be deemed to have visited the site of the work and to have fully informed himself regarding local conditions and carried out his own investigations to arrive at rates quoted in the tender. In this regard, he will be given necessary information to the best of Knowledge of CLIENT but without any guarantee to it.

If he shall have any doubt as to the meaning of any portions of these general conditions, or the scope of the work or the specifications and drawings, or any other matter concerning the contract, he shall in good time, before submitting his tender, set forth the particulars thereof and submit them to the Client / Architect, in writing in order that such doubts may be clarified authoritatively before tendering. Once a tender is submitted, the matter will be decided according to tender conditions, in the absence of such authentic pre-clarification.

**3 DECLARATION OF THE CONTRACTOR:**

The Contractor should sign the declaration form.

**4 WORKING METHODS AND PROGRESS SCHEDULE:**

**4.1 PROGRAM OF WORK:**

The work is required to be completed within a period of as specified by the Job Coordinator.

**4.2**

**a) METHODOLOGY OF CONSTRUCTION AND CONSTRUCTION EQUIPMENT:**

Contractor shall furnish at least 7 days in advance his program of commencement of item of work, the details of actual methods that would be adopted by the Contractor for the execution of various items of cast-in-situ, super structure, and earth work, supported by necessary detailed drawing and sketches including those of the plant and machinery that would be used, their locations, arrangements for conveying and handling materials etc. And obtain prior approval of Architect well in advance of starting of such item of work. The client's EIC reserves the right to suggest modifications or make complete changes in the method proposed by the Contractor, whether accepted previously or not at any stage of the work, to obtain the desired accuracy, quantity and progress of the work which shall be binding on the Contractor, and no claim on account of such change in method of execution will be entertained by client's EIC so long as specifications of the item remain unaltered. The sole responsibility for the safety and adequacy of the methods adopted by the Contractor will however rest on the Contractor, irrespective of any approval given by the client's EIC.

In case of slippage from the approved work program at any stage, the Contractor shall furnish a revised program to make up the slippage within the stipulated time schedule and obtain the approval of the clients to the revised program.

**(b) CONSTRUCTION EQUIPMENT:**

The Contractor shall be required to give a trial run of the equipment's for establishing their capability to achieve the laid down specifications and tolerance to the satisfaction of the client before commencement of the work. All equipment provided shall be of proven efficiency and shall be operated and always maintained, in a manner acceptable to the client and no equipment or personnel will be removed from the site without permission of Client.

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Construction equipment used to be kept in healthy condition in all respects with valid documents required for various statutory / government agencies. These are to be verified through our EHS department before taking into use.

**(c) PROGRESS SCHEDULE:**

The Contractor shall furnish within the plant, of one week if the order to start the work, the program of work in CPMs/PERT charts in quadruplicate indicating the date of actual start, the monthly progress expected to be achieved and the anticipated completion date of each major item of work to be done by him, also indicating dates of procurement and setting up of materials, plant and machinery. The schedule is to be such as is practicable of achievement towards the completion of whole work in the time limit, the particular items, if any, on the due dates specified in the contract and shall have the approval of the client, no revised schedule shall be operative without such acceptance in writing. The client/PMC is further empowered to ask for a more detailed schedule or schedules say, week by week for any item or items, in case of urgency of work as will be directed by him and the Contractor shall supply the same as and when asked for.

The Contractor shall furnish sufficient plant, equipment and labour as may be necessary to maintain the progress of the schedule. The working and shifts hours restricted to one shift a day for operations. Nightwork which requests supervision shall not be permitted except when specifically allowed by the Client each time, if requested by the Contractor. The Contractor shall provide necessary lighting arrangements etc. for night works as directed by the client without extra cost.

Further the Contractor shall submit the progress report of work in prescribed forms and charts etc. at periodical intervals, as may be specified by the client. Schedule shall be in the form of progress charts, form progress statement and/or reports as may be approved by the client / PMC.

The Contractor shall maintain Proforma, charts, details regarding machinery, equipment, labour, materials, personnel, etc. as may be specified by the client / PMC.

**5 AGENT AND WORK ORDER BOOK:**

The Contractor shall himself manage the work or engage an authorized all-time agent on the work capable of managing and guiding the work and understanding the specifications and contract conditions. The Contractor shall provide a qualified and experienced Engineer as his agent for technical matter in case the client considers this is essential for the work and so directs Contractors. He will take orders as will be given by the client or his PMC and shall be responsible for carrying them out. This agent shall not be changed without prior intimation to the client and his representative on the work site. The Contractor shall supply to the client the details of all supervisory and other staff employed by the Contractor and notify changes when made, and satisfy the client regarding the quantity and sufficiency of the staff, thus employed. The client will have the unquestionable right to ask for changes in the quality and numbers of contractor's supervisor staff and to order removal from work of any such staff. The Contractor shall comply with such orders and effect replacements to the satisfaction of the client/PMC.

A workbook shall be maintained on site and it shall be property of the client and the Contractors shall promptly sign orders given therein by the client and comply with them. The compliance shall be reported by the Contractor to the client in good time so that it can be checked. The Contractor will be allowed to copy out instructions therein from time to time.

**6 LEVELING INSTRUMENTS:**

If measurements of items of the work are based on volumetric measurements calculated from levels taken before and after the construction of the item, a large number of leveling staves, tapes etc. will have to be kept available by the Contractor at the site of the work for this purpose. Lack of such leveling staves, tapes, etc. in required numbers may cause delay in measurements and work. The Contractor will therefore have to keep enough of these readily available on site.

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## **7 AUTHORITY OF REPRESENTATIVE OF THE CLIENT**

The duties of the representative of the Client / Engineer / Supervisor/Architect are to watch and supervise the work and to test and examine any material to be used or workmanship employed in connection with the works.

The PMC may from time to time, in writing delegate to his representative any powers and authorities vested in the PMC and shall furnish to the Contractor a copy of all such delegations of power and authorities any written instruction of approval given by the representative of the PMC to the Contractor within the terms of such delegations (but not otherwise) shall bind the Contractor and the Council as though it had been given by the PMC, provided always as follows.

Failure of the representative of the PMC to disapprove any work or materials shall not prejudice the power of the PMC thereafter to disapprove such work or materials and so order the putting down, removal or breaking up thereof.

## **8 CO-ORDINATION:**

When several agencies for different sub-works of the project are to work simultaneously on the Project site, there must be full co-operation between different contractors to ensure timely completion of the whole project smoothly. The scheduled dates for completion specified in each contract shall therefore be strictly adhered to. Each Contractor may make his own independent arrangement for water, power, housing, etc. if they so desire. On the other hand, the Contractors are at liberty to mutual agreement in this behalf and make joint arrangements with the approval of the client. No single Contractor shall take or cause to be taken any steps or action that may cause, disruption discontent, or disturbance of work, labour, or arrangements, etc. of other Contractor in the project localities. Any action by any Contractor which the client's EIC in his unquestioned discretion may consider as infringement of the above code, would be considered as a breach of the Contract conditions and shall be dealt with as such.

In case of any dispute, disagreement between the Contractors, the client's decision regarding the co-ordination, co-operation and facilities to be provided by any of the Contractors shall be final and binding on the Contractors concerned and such a decision or decision shall not vitiate any Contractor nor absolve the Contractor(s) of his/their obligation under the contract nor considered for the grant for any claim or compensation.

## **9 SITE OFFICE:**

9.1 The Contractor shall at his own expense maintain sufficient experienced Engineers and supervisory staff etc. required for the work and shall make his own arrangement, provide portable container as a site office for them with all necessary arrangements, including fire preventing measures, etc.

## **10 SUPERVISION AND INSPECTION OF WORKS AND QUALITY CONTROL:**

### **10.1 SUPERVISION:**

The Contractor shall either himself supervise the execution of the works or shall appoint the competent Engineers and Supervisors approved by the Client /Architect, to act on his behalf. If in the opinion of the Client / Architect, the Contractor has himself no sufficient knowledge and experience of receiving instructions or cannot give his full attention to the works, the Contractor shall at his own expenses employ as his accredited agent a qualified Engineer approved by the Architect.

Contractors should appoint a Qualified Engineer related to steam as a Main In charge having more than 10 years of experience for each site. Under this main Engineer, minimum 3 Sub-Engineers of minimum 5-year experience should be working under him for each site. Also, a minimum of 5 to 6 Supervisors should be working below these Sub-Engineers.

Orders given to the Contractor's agent shall be considered to have force as if these had been given to the Contractor himself. If the Contractor fails to appoint suitable agent as directed by the client, the client shall have full power to suspend the execution of the work until such date a suitable agent is appointed and the Contractor shall be

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responsible for the delay so caused to the works and the Contractor shall not be entitled for any compensation on this behalf.

**10.2 INSPECTION:**

The Contractor shall inform the client in writing when any portion of the work is ready for inspection giving him sufficient notice to enable him to inspect the same without affecting the further progress of the work. The work shall not be considered to have been completed in accordance with the terms of the contract until the client shall have certified in writing to that effect. Approval of materials or workmanship or approval of part of the work during the progress of execution shall not bind the client or in any way affect him even to reject the work which is alleged to be completed and to suspend the issue of his certificate of completion until such alternation and modifications or reconstruction have been effected at the cost of the Contractor as shall enable him to certify that the work has been completed to his satisfaction.

The Contractor shall provide at his cost the necessary ladders and such arrangements as to provide necessary facilities and assistance for proper inspection of all parts of the work at his own cost.

**11 INITIAL MEASUREMENTS FOR RECORD:**

Where, for proper measurement of the work, it is necessary to have an initial set of levels or other measurements taken, the same as recorded in the authorized field book or measurement book. by the Engineer or his authorized representative will be signed by the Contractor who will be entitled to have a true copy of the same made at his cost. Any failure on the part of the Contractor to reach such levels. etc. recorded before starting the work will render him liable to accept the decision of the Engineer /Architect as to the basis of taking measurement. Likewise, the Contractor will not cover any work which will render its subsequent measurements difficult or impossible without first getting the same jointly measured by himself and the authorized representative of the client. The record of such measurements on the Client side will be signed by the Contractor and he will be entitled to have a true copy of the same made at his cost.

**12 SAMPLES AND TESTING OF MATERIALS:**

12.1 All materials to be used on work shall be got approved in advance from the Client Engineer/ Architect and shall pass the test and/or analysis required by him which will be:

- a) As specified in the specification for the items concerned and/or
- b) I.S.I Specification (whichever and wherever applicable) or
- c) Such recognized specifications acceptable to Engineer-In-charge as equivalent there to or in absence of such authorized specification.
- d) Such requirement test and/or analysis as may be specified by the client in order of precedence given above.

12.2 The Contractor shall at his risk and cost make all arrangements and/or shall provide for all such facilities as the client may require collecting, preparing required number of samples for tests or for analysis at such time and to such place as may be directed by the client and bear all charges and cost of testing. Such samples shall also be deposited with the client.

12.3 The Contractor shall if & when and if required, submit at his cost the samples of material to be tested and analyzed and if, so directed, shall not make use of or incorporate in the work any material represented by the samples until the required tests or analysis have been made and the materials, finally accepted by the client.

12.4 The Contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of the materials.

12.5 The Contractor or his authorized representative will be allowed to remain present in the departmental laboratory while testing sample furnished by him. However, the results of all the tests carried out in the departmental laboratory in the presence or absence of the Contractor or his authorized representative will be binding on the Contractor.

12.6 The Contractor shall at his own cost set up a laboratory to carry out the routine tests of materials which are to be used in the work. The tests will have to be carried out either in his field laboratory or in an approved laboratory.

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In case tests are carried out in field laboratory, at least 50% tests should be carried out nearest quality control laboratory.

**13 HANDING OVER OF WORK:**

All the work and materials before finally taken over by the client., will be entire liability of the Contractor for guarding, maintaining, and making good any damages of any magnitude. Interim payments made for such work will not alter this position. The handling over by the Contractor and taking over by the client will be always in writing of which copies will go to the client or his authorized representative and the Contractor, it is, however understood that before taking over such work the Council will not out it into regular use as distinct from causal or incidental one, except as specifically mentioned elsewhere in this contract, or as mutually agreed to.

**14 CLAIMS:**

Bills for extra work or for any claim shall be paid separately apart from the interim bills for the main work. The payment of bills for the main work shall not be withheld for want of decision on the extras or claims not covered in the appendices.

Claims for extra work shall be registered within 30 days of occurrence of the event. However, bills for these claims including supporting data/details may be submitted subsequently.

Contractor should submit the detailed breakup of the extra items in the form of Labour + Material + transportation and Profit (10 %). This is to be submitted to the Engineer in Charge and Purchase Coordinator.

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## ANNEXURE V

### Commercial Terms and Conditions

- 1) **Job Controller:** Mr Mahesh Kalghatgi & Mr. Atulkumar Khatri or any other person appointed by the Company at our plant locations, from time to time, shall be the job controller.
- 2) The Vendor / Contractor shall be responsible for providing the requisite and professional manpower for mentioned Subject Works.
- 3) The employees provided by the Vendor / Contractor should be employees of the Vendor / Contractor and all / any dispute/s between the Vendor / Contractor and the staff shall be resolved by the Vendor / Contractor and shall have no bearing on MAL. The Vendor / Contractor should indemnify any claim, title in debt, cost, damage, compensation in respect of its employees posted on MAL premises.
- 4) **Mobilization:** Within 15 days from the date of receipt of PO/ email confirmation the contractor shall mobilize men and materials.
- 5) **Taxes and Duties:** Taxes will be paid by MAL as per government notifications.
- 6) **Security Deposit:** - 10% of yearly basic order value will be retained by MAL or equal amount of Bank Guarantee drawn on nationalized bank or reputed private bank to be submitted by the Contractor/Tenderer or will be deducted from Tenderers From first 6 Monthly Bills from against this contract and NO INTEREST will be payable by MAL on the said this amount and it will be refunded to you only after expiry of the contract and warrantee period. subject to deduction if any.
- 7) **Invoicing & Payment:** The Vendor / Contractor shall submit on or before the expiry of the 1st week of the following month proforma running bill of the last month in the format provided by MAL, in triplicate, to the Job Coordinator giving abstract and attached with detailed, duly signed, joint measurement or joint report sheet for the various items of work executed during the month. The Vendor / Contractor shall prepare Monthly final running account bill based on the certified measurements and summary sheets and submit the same along with the enclosures mentioned herein to the person designated by the owner. Invoice shall be submitted exactly as per the original work order in line with the line items with actual quantity executed. Additional quantity (other than W/O) shall be claimed only after the issue of amendment to the work order. Also, where the rates are not available, but the jobs are executed as per the instructions of Job coordinator, Vendor / Contractor shall submit the invoice only after the issue of amendment to original Work order. Accordingly, payment shall be released in two phases i.e. Based on original WO & based on amendment to original WO.  
The Job coordinator shall ensure payment after 45 days from the date of receipt of final monthly running account bill provided the same is complete in all respects & duly certified by the engineer- in - charge/ Job Coordinator.  
The vendor / contractor should produce each monthly running bill along with measurement sheets.  
The applicable TDS shall be deducted as per the existing provisions of the law in force.  
The number of payments to be made to the Vendor / Contractor shall be restricted to one in each month.  
The payment shall be released by RTGS or NEFT with nominal charges per transaction, if imposed by the bank. *The Vendor / Contractor should provide requisite details of their bank, Account No. Branch code, etc.*

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- 8) **Insurances:** Vendor / Contractor shall obtain and keep valid, at all times adequate insurance cover for its personnel, material and equipment, against all losses and liabilities whether at common law or under any statute relating to workers Compensation or Employer's Liability in the jurisdiction in which the Services are performed, from any accident or injury to any person employed by it in connection with the Services. The vendor / contractor shall ensure that any of their staff employed to complete the given scope of works, are similarly insured in respect of their employees including claim against third party liability.
- 9) **Validity:** **This contract is valid for a period of Three (3) years.** This final price will be valid till the job completion w.e.f. the date of the purchase order (renewable after every year subject to satisfactory performance). Further extension of the contract by a suitable period will be at the discretion of MAL. During the contract period either party can terminate the contract by giving 3 months' notice to the other party. However, in case of unsatisfactory performance or breach of contract terms on the part of the Vendor / Contractor, MAL reserves the right to terminate the contract forthwith. **MAL shall also have right to extend the Contract at its own discretion. During the contractual period, the unit rates should remain unchanged throughout the contract term. During the validity period of the Contract, there shall be no revision of the compensation payable to the Vendor / Contractor.** The Vendor / Contractor shall ensure payment of minimum wages in force and as prescribed by the competent authorities from time to time. The Vendor / Contractor is required to maintain all documents and records as required under the statutory laws and rules in force from time to time. The rate of different activities of mentioned Subject Works once finalized through MAL ERP System (SAP or IVALUA), will be applicable for any similar scope of works in either(K1 or K8) of plant.
- 10) **Notices:** Any notice required to be given by either party shall be validly given if it is in writing and sent at the abovementioned address in case of MAL and to contractor as provided in the bid document.
- 11) In the event of a contract not being considered for extension, MAL reserve the right to extend the expiry date by not more than 3 months for smooth handover. There should not be any breach of any rules and / or regulations or any violation of the terms and conditions during the tenure of contract. In case any breach / violation / misconduct observed, then MAL will impose appropriate penalty on the Vendor / Contractor. The same will be deducted from the monthly bills of the Vendor / Contractor. This will culminate in the cancellation of the complete purchase / work order without any further notice, which will be at the risk and cost of the Vendor / Contractor. Any loss and / or damage to the Plant and / or machinery or any property belonging to MAL or its Vendor / Contractor due to the negligence / mistake on part of any manpower employed by the Vendor / Contractor will be dealt with seriously and will culminate in recovering from Contractor's monthly bills. It will be the sole discretion of MAL to decide on a penalty for any misconduct / negligence / violation / breach of the terms, conditions, statutory rules, safety rules as mentioned in the tender / purchase / work order.
- 12) **Bill submission:** The billing period applicable for running A/c bills in respect of this contract is every calendar month. The bills shall be submitted to with respective Unit addresses (Wherever work is carried out)–
- MAL Unit- Plot K-1 Taloja MIDC Industrial Area, Raigad, Maharashtra, India-410208

The first RA bill shall be released only on submission of a copy of labour license duly attested by MAL administration in the prescribed format. If a labour license is not applicable, the contractor shall obtain confirmation to this effect from MAL administration.

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Please mention vendor code no., PAN no., GST No., HSN / SAC Code and WO no. on invoice/ bills.

Joint measurement sheet (IMS) to be submitted by contractor within 7 days of completion of job or within 7 days of end of the month for previous month job.

**13) Correspondence:**

For any payment/TDS certificate/Security Deposit, guarantee money refund/ Accounts related matters, please make correspondence with the accounts department at MAL Taloja.

Contractor to comply with all statutory obligations prevalent and applicable as per law. For further guideline on statutory related matters, contact personal department at respective MAL Taloja

For any job-related instruction and guidelines, working, turn up of workmen, tools & tackles, contact - engineer-in-charge / representative of plant.

For all matters related to entry/movement of persons, material, and vehicle within complex, contact the security department at respective MAL Taloja unit.

Penalty for late submission of bill:

Submission of the bill by the contractor to the concerned dept. For verification and certification of the jobs carried out by him/ them for payment shall be considered as a part of the work. In case bill is not submitted within 14 days' time from the date of completion of work mentioned in work order or issue of work order (for post facto cases) or amendment to work order whichever is later. Penalty at the rate of 1% per week of the invoice value maximum to 5% of the value of invoice shall be levied from contractor's bill. No compromise shall be granted in this regard. Date of bill scrolling shall be the reference date as zero date.

The invoice should be attached to a joint measurement sheet, failing to so, the invoice will not be processed by the finance department.

- 14)** The Vendor / Contractor shall be responsible for providing the requisite number of staff for completing the mentioned Subject Works.
- 15)** The Vendor / Contractor and its persons employed by him at MAL have no camping right whatsoever in the company's premises.
- 16)** The members of the staff provided by the Vendor / Contractor should be employees of the Vendor / Contractor and all disputes between the Vendor / Contractor and the hiring Equipment staff shall be resolved by the Vendor / Contractor and shall have no bearing on MAL. The Vendor / Contractor should indemnify any claim, title in debt, cost, damage, compensation in respect of its employees posted on MAL premises.
- 17) Liquidated Damages:** Liquidity damages of 1% per day of the monthly service charges shall be levied, subject to a maximum of 10% of contract for any breach of contractual obligations by the Vendor / Contractor as stipulated in the terms and conditions in addition to the obligation under any other provisions in the contract and the Law of the land.

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**18) Force Majeure condition:** The term force Majeure as employed herein shall mean acts of God, War, Revolt, Terrorist Act, Accident, Fire, Flood and Acts and Regulations of respective Governments of the two parties. Upon occurrence of such cause and upon its termination, the party alleging that it has been rendered unable as aforesaid thereby shall notify the other party in writing within 72 hours, the full particulars and satisfactory evidence supporting his claim. Time for purpose of the relative obligations suspended by the force majeure shall then stand extended by the period of delay, which is directly caused by force majeure event.

**19) Jurisdiction:**

The Court at Pune/Panvel, Maharashtra shall have exclusive Jurisdiction to deal with and decide any legal matter whatsoever arising out of this Tender/ Purchase order or any agreement entered between the Tenderer/ Supplier and Company.

**20) Arbitration:**

Any dispute, difference, claim or question of interpretation of any nature arising between the parties with regard to this Tender/ Purchase Order/ Work Order/ Agreement regarding the meaning, respective rights, claims, liabilities and obligations under this Tender/ Purchase Order/ Work Order/ Agreement, including any question regarding its existence, validity or termination which is not resolved by amicable settlement shall be settled by arbitration by a sole Arbitrator appointed mutually by both the parties in accordance with the Arbitration and Conciliation Act, 1996 or any enactment or amendment thereof or through online arbitration. Award passed shall be final and binding on both the parties. The venue of such arbitration proceedings shall be at Pune/Mumbai (India) and for interim relief under the Act, courts at Pune/ Panvel shall have the exclusive jurisdiction over this Agreement.

**20) Termination:**

**A.** The Contract/ Tender can be terminated by either party i.e. MAL or the Contractor/Tenderer/ Tenderer, after giving three (3) months' notice to the other party. However, MAL reserves the right to terminate the contract without giving any notice in case of the Contractor/Tenderer fails to commence the work or commits breach of any of the terms of the contract. MAL's decision in such a situation shall be final and binding on the Contractor/ Tenderer without any objection or resistance.

**B.** On termination of the contract, the Contractor/ Tenderer will hand over all the equipment's/ furniture/ article etc. supplied by MAL (if any) in good working condition back to MAL except normal wear and tear.

**C.** If the successful bidder/ Contractor withdraws or the services provided by the successful bidder are not found satisfactory (say in a month or so) during the probationary period of three months from the date of taking over charge /Job contract, MAL reserves the right to terminate the contract with 15 days' notice to improve the services, if the Contractor/Tenderer fails to do so within 15 days then without giving any notice initiate appropriate necessary action in the matter for making alternate arrangements and immediately terminate the contract. The Contractor/Tenderer shall continue till such a time MAL finds an alternative arrangement.

In case it is found that any information furnished by the Tenderer/ Contractor/ Supplier is false or incorrect, the Company at its sole discretion may terminate the Contract/ Order without giving any notice. The Company shall reserve its right to seek appropriate damages from the Tenderer/ Contractor/ Supplier. Any loss incurred by the Company in this respect will be on Suppliers/ Tenderer's account.

**21)** The rates quoted by the suppliers shall remain firm till the completion of the contract period and also during extended period if any. No escalation on any other ground shall be allowed.

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(On Contractor/Tenderer's letterhead)

**DETAILS OF BLACKLISTING / DISQUALIFICATION / FORFEITURE OF B.G. / S.D.**

- 1) Whether your Firm/Company is blacklisted by DFPCL/ MAL or any other Public Sector / Govt. / Quasi-Govt Organization / any other client: **Yes / No.**

If yes, please mention details.

- 2) Whether your Contract was terminated before expiry of Contract period or Security Deposit / E.M.D forfeited by our Company or any other Public Sector/ Govt./ Quasi Govt Organization / Any other client: **Yes / No.**

If yes, please mention details.

- 3) Whether Proprietor / Partner / Director (as applicable) has been prosecuted by any judicial court for any criminal breach of trust: **Yes / No.**

If yes, please mention details.

(Signature of the Contractor/Tenderer & Seal)

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***(Company name, seal and signature of authorized person with Designation)***

(On Contractor/Tenderer's letterhead)

**INFRASTRUCTURE / RESOURCES:**

1) Total number of resources employed: \_\_\_\_\_

2) No. of branch offices: \_\_\_\_\_ (details of address, Telephone No. Fax No. etc.)

3) No. of FMS Contracts engaged in Mumbai with Avg value of Contract:

(Signature of the Contractor/Tenderer & Seal)

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(On Contractor/Tenderer's letterhead)

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## GENERAL INFORMATION

- 1) Name & address of the Tenderers Firm / Company: \_\_\_\_\_
- 2) Office Telephone No.: \_\_\_\_\_
- 3) Office Fax No.: \_\_\_\_\_
- 4) Year of Establishment: \_\_\_\_\_
- 5) Constitution of the Firm: Proprietorship/Partnership/Pvt. Ltd./ Pub Ltd. Co./Co-operative
- 6) Name, Address of Partner / Directors: \_\_\_\_\_
- 7) Name of contact person: \_\_\_\_\_
- 8) Telephone no. of contact person: Office \_\_\_\_\_
- 9) Residence \_\_\_\_\_
- 10) Mobile \_\_\_\_\_
- 11) Name & Designation of Authorized Signatory: \_\_\_\_\_
- 12) Details of sister concerns
  - a) Name & Address:
  - b) Activities engaged in by Sister Concern:
  - c) Names, Addresses & Telephone Nos. of Proprietors/Directors/Partners of Sister concerns.

(Signature of the Contractor/Tenderer & Seal)

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