

Tender Document for “Surat Lignite Power Plant – 4x125 MW, Unit: 1 to 4: Bi-Annual Rate Contract (BRC) for Handling, Mechanical Maintenance and Housekeeping of Ash Handling System, Contract Period: 2017-19”. Tender Ref. No.: SLPP/AHS/H&M-HK/2017-19.



**GUJARAT INDUSTRIES POWER COMPANY LIMITED  
(Surat Lignite Power Plant)**

**AT & POST NANI NAROLI, TALUKA: MANGROL, DIST: SURAT, PIN 394110  
(GUJARAT)**

**Phone Nos.: EPABX (02629) 261063 to 261072,**

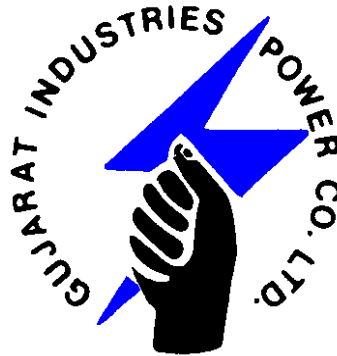
**Fax Nos.: (02629) 261112, 261080**

**TENDER DOCUMENT FOR:**

**Bi-Annual Rate Contract (BRC) for  
Handling, Mechanical Maintenance and  
Housekeeping of Ash Handling System  
Surat Lignite Power Plant – 4x125 MW, Unit: 1 to 4**

**Tender Reference No.: SLPP/AHS/H&M-HK/2017-19**

**Contract Period: 2017-19**





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### **NOTE:**

All the Bidders shall study entire Tender document carefully & may carry out Plant visit before quoting & submitting their online Bid to understand scope of work and its importance.



## NOTICE INVITING TENDER (NIT)

### TENDER NO.: SLPP/AHS/H&M-HK/2017-19

Name of work	Surat Lignite Power Plant – 4x125 MW, Unit: 1 to 4: Bi-Annual Rate Contract (BRC) for Handling, Mechanical Maintenance and Housekeeping of Ash Handling System for two (2) years of Contract Period: 2017-19
Place of work	Surat Lignite Power Plant, Village: Nani Naroli, Taluka: Mangrol, Dist.: Surat- 394110 (Gujarat).
Quantity	The successful Bidder will be awarded this Contract involving total quantities of various items as mentioned against item descriptions in BOQs.
Contract period	Contract period shall be Two (2) years starting from date of Letter of Intent (LoI).
EMD	<b>₹ 3,00,000/-</b> by Demand Draft payable at Mosali-Surat / Nani Naroli-Surat / Surat <i>or</i> Bank Guarantee in favour of GIPCL from approved Banks mentioned in this Tender in subsequent clauses.
Cost of Tender Document / Tender Fee	Demand Draft <b>₹ 3,000.00</b> in favour of GIPCL payable at Motamiya - Mangrol or Nani Naroli.
Pre Bid meeting	On 12.12.2016, 11:00 hours at Office of GIPCL-Surat Lignite Power Plant, Village: Nani Naroli, Ta. Mangrol, Dist. Surat.
Availability of online E-Tender document	On 30.11.2016: (n)Procure portal ( <a href="http://www.nprocure.com">www.nprocure.com</a> ) On 30.11.2016: GIPCL's E-Tender portal <a href="http://etender.gipcl.com/">http://etender.gipcl.com/</a> (for viewing and downloading Tender Document)
Last date of online submission of offer	30.12.2016 up to 17:00 hours on (n)Procure portal ( <a href="http://www.nprocure.com">www.nprocure.com</a> )
Submission of EMD, Tender fee and other supporting documents for technical Bid in physical form.	On or before 03.01.2017, 16:00 hours at office of Surat Lignite Power Plant, Nani Naroli, Dist. Surat.

#### **NOTES:**

1. Amendment / corrigendum of the Tender Document, forms, schedules, etc. may be done any time by the GIPCL during the period of publication of



Tender on the website. The Bidders are required to visit the website regularly till the last date & time of Bid submission.

2. GIPCL reserves the right to reject any or all the tenders without assigning any reason thereof.
3. The Bidders are required to quote the rate strictly as per the terms and conditions mentioned in the tender document, adhering to technical specifications as well.
4. The Bidders are required to submit their Bids online only through (n)Procure portal ([www.nprocure.com](http://www.nprocure.com))
5. The EMD, Tender fee & other supporting documents are to be submitted in physical form only at the following address:-

**Addl. General Manager (SLPP)**

Gujarat Industries Power Company Limited,  
Surat Lignite Power Plant,  
At Village: Nani Naroli,  
Taluka: Mangrol, Dist.: Surat - 394 110, Gujarat.  
Phone: (02629) 261063 - 72.  
E-Mail: [rajeshsingh@gipcl.com](mailto:rajeshsingh@gipcl.com)



## **SECTION - A**

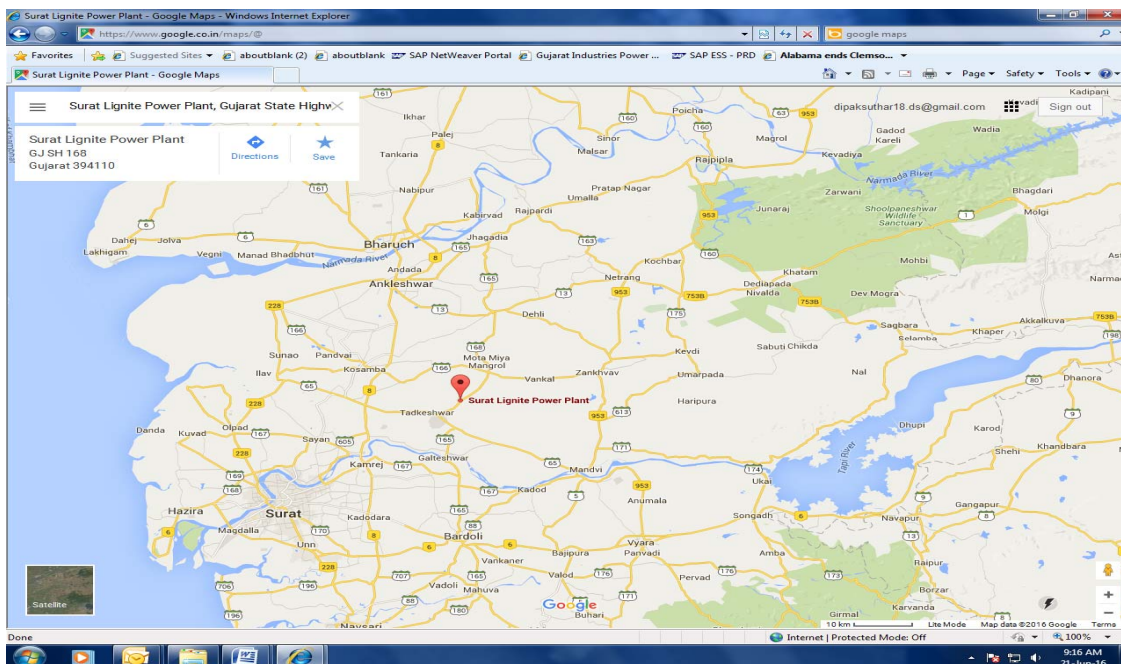
### **INSTRUCTIONS TO BIDDERS**

#### **1. PLANT SYNOPSIS**

Gujarat Industries Power Company Limited (GIPCL) (henceforth be named Company/GIPCL), is a Premier Power Utility in the State of Gujarat with an installed capacity of 810 MW and 5 MW Solar Power Plant. 51 MW Wind Energy Farm Project is under installation and commissioning stage. GIPCL has issued LoI (Letter of Intent) for 26 MW and 71.40 MW Wind Energy Farm Projects. GIPCL has commissioned 1 MWp Distributed Solar Power Projects at two locations in Gujarat viz. at Village: Amrol, Dist.: Anand and at Village: Vastan, Taluka Mangrol, Dist.: Surat.

Surat Lignite Power Plant (SLPP) with four units of 125 MW capacities each is located at Village: Nani Naroli, Taluka: Mangrol, District: Surat in Gujarat. GIPCL has also operating its own captive Lignite and Lime Stone Mines close to the Power Plant. The Power Plant is based on Circulating Fluidized Bed Combustion (CFBC) technology for the Boilers, where Lignite is burnt along with Lime Stone in the Combustor of the Boiler.

Surat Lignite Power Plant (SLPP) is accessible by road from Kim and Kosamba, which are on Mumbai-Ahmadabad highway. From Kosamba, SLPP is around 32 KM, out of which 27 KM is part of the National & State Highway and balance 5 KM is District Road. From Kim, SLPP is around 18 KM, out of which 13 KM is the State Highway and balance 5 KM is District Road. The nearest Broad Gauge Railway Line is at Kim, which is around 21 KM from the SLPP. Surat is approximately 50 KM from the SLPP. Location Map for SLPP is as under:





The Company intends to award Bi-Annual Rate Contract (ARC) for the work of Handling, Maintenance and Housekeeping of Ash Handling system, Contract period: Two (2) years at SLPP and is therefore inviting e-Tenders online on (n)Procure portal ([www.nprocure.com](http://www.nprocure.com)) from experienced & resourceful Contractors.

## **2. SCOPE OF WORK**

- 2.1 The Scope of Work covers Handling, Maintenance and Housekeeping of Ash Handling System
- 2.2 The Bid submitted by the Bidder not covering the total scope of work and services as detailed out in the tender document shall be liable for rejection.
- 2.3 Quantum of job mentioned against all items in the Price bid are indicative only & may vary as per site requirement & not to be construed as maximum or guaranteed quantity. The quantities shown in the price bid are approximate quantities for the contract period and they may vary as per job requirements.
- 2.4 All the miscellaneous activities pertaining to specific work to be executed for satisfactory performance is in the scope of Contractor in his quoted rates.

## **3. GENERAL INSTRUCTIONS**

- 3.1 The Bidders who are interested in participating in the Tender must read and comply with the instructions and the Terms & Conditions contained in the Tender Document.
- 3.2 The Bids shall be filled in by the Bidders clearly, neatly and accurately. Any alteration, erasures or overwriting shall be liable to make the tender invalid unless the same is neatly carried out and attested over the full signature of Bidder. The decision of the Company to interpret the information and rates filled in by the Bidder shall be final and binding on the Bidder.
- 3.3 The Bidders are requested to make themselves fully conversant with the General Conditions of Contract, Special Conditions of Contract, Technical Specifications, Site conditions, Safety & Health Aspects and Norms to be observed etc. before submitting their bids so that no ambiguity arises in these respects subsequent to submission of the Bids.
- 3.4 Before quoting the rates, the Bidder should go through the specifications, scope of work etc. and get himself fully conversant with them. The Bid should include cost of mobilization and cost to adhere to all Safety Norms as described in the Tender. No relaxation or request for revision of quoted / accepted rates shall be entertained subsequent to the opening of Bid on account of mobilization or Safety costs.
- 3.5 Splitting of work is not advisable as the purpose of SoR method will not be fulfilled.
- 3.6 Bidder has to submit all the information as per required Bid document. Failure to furnish all the information as per required Bid documents or submission of a Bid containing deviations from the contractual terms and conditions, specifications and requirements, shall be rejected.



- 3.7 The Bids shall be submitted within the time frames set out in the Notice Inviting Tender ('NIT') and Bids submitted thereafter shall not be accepted and considered.
- 3.8 The Tender Document shall not be transferable.
- 3.9 The Bidders are expected to examine all instructions, forms, terms & specifications in the Bid documents and to get fully acquainted themselves with all the conditions and matters which may affect the subject matter of the work/tender or the cost thereof. If any Bidder finds any discrepancies or omissions in the specifications and documents or any doubt in true meaning or interpretation of any part, he shall seek necessary clarifications in writing or during Pre-bid meeting if required.
- 3.10 Conditional offers shall not be considered and liable to be rejected.
- 3.11 The Company reserves the right to extend the deadlines for submission of the Bids by giving amendments.
- 3.12 A Pre-Bid meeting will be organized by the Company as per details given in NIT (Notice Inviting Tender) at GIPCL - SLPP. Bidders or his authorized representative with authorization letter shall attend the Pre-Bid meeting. Bidders may seek any clarifications from the Company on their written request regarding the tender document.
- 3.13 During evaluation of Bids the Company may, at its discretion ask the Bidder(s) for clarification of their Bid. The request for clarification and the response shall be in writing and no change in prices or substance of the Bid shall be sought, offered or permitted.
- 3.14 The Company reserves the right to amend/ modify the Bidding documents at any time prior to the deadline for submission of Bids, either at its own discretion or in response to the clarification requested by a prospective Bidder. In such case, the Company may in its discretion extend the deadline for submission of Bids in order to facilitate the prospective Bidders for incorporating the effect of the amendment in their Bids.
- 3.15 The Bidders shall bear all costs and expenses associated with the preparation and submission of their respective Bids, to attend meetings or conferences, if any, including any pre award discussion with the successful Bidder, technical and other presentations etc. and the Company shall not be liable for any expense thereof.
- 3.16 If the successful Bidder is a joint venture, formed of two or more companies, the Bidder along with the partners shall accept joint and several responsibilities and liabilities for all obligations under the Contract.
- 3.17 Timely and satisfactory completion of the work and strict adherence to the allotted time frames for jobs shall be the essence of the contract.
- 3.18 The Company reserves the right to qualify/disqualify any applicant without assigning any reason.
- 3.19 The Bidder shall be disqualified if any untrue statement or misrepresentation is made in the Bid forms, attachments and other supporting documents submitted by the Bidder.





#### **4. PLANT VISIT**

The Bidder is advised to visit the Surat Lignite Power Plant (SLPP) after downloading the copy of Tender document from the (n)Procure portal ([www.nprocure.com](http://www.nprocure.com)) to study the actual working conditions, before submitting their offer. The Bidders shall examine the site of works and its surroundings and see for himself that may be necessary for preparing the Bid and entering into a contract. All costs and liabilities arising out of the site visit shall be at Bidder's account.

The submission of Tender by a Contractor implies that he has read these instructions, conditions of the contract etc. and has himself aware of the Scope, nature of works & specifications of the works to be done. GIPCL will not, therefore after acceptance of Contractor's rate, pay any extra charges for any other reason in case the Contractor is found later on to have misjudged the site conditions.

Any error in description or quantity or omission in the contract document shall not vitiate the contract or release the Contractor from executing the work comprised in the contract according to scope of works, magnitude of the works, requirement of materials, equipment, tools & tackles, labour, etc. Contractor has to complete the work in accordance with the contract documents irrespective of any defects, omissions or errors that may be found in the contract documents.

The Bidder is deemed to have examined and understood the tender document, obtained his own information in all matters whatsoever that may affect the works to be carried out especially mentioned or works which may have to be carried out to fulfill his contractual obligation within the scheduled rates and to have satisfied himself to the sufficiency for his offer.

BIDDER shall inspect the site, examine and obtain all information required and satisfy himself regarding matters such as access to site, communication, transport, working condition including constraint of work place, confined area, quantum of dusting, running equipment, importance of work, round the clock working conditions, safety requirements, right of way, high flood level in River, flow of water during monsoon/dry season in the River/Nullah, the type and number of equipment and facilities required for the satisfactory completion of work, the quantity of various items of the work, the availability of local labour, availability and rates of material, local working conditions, uncertainties of weather, obstructions and hindrances that may arise, etc which may affect the work or cost thereof, before submission of his Bid. Ignorance of site conditions shall not be accepted by the GIPCL as basis for any claim for compensation. The submission of a Bid by the BIDDER will be construed as evidence that such an examination was made. Any later claims / disputes in regard to rates quoted shall not be entertained or considered by the GIPCL.

The rates quoted by BIDDER shall be based on his own knowledge and judgment of the conditions and hazards involved and shall not be based on any representations of the Engineer.





## 5. ELIGIBILITY CRITERIA

The following criteria shall be adopted for qualifying the Bidders for further proceeding:

- 5.1 Bidder should possess minimum **Two years** of experience **out of last five years** (as per following Cl. No. 2) in similar nature of jobs in Operation, Mechanical Maintenance along with Housekeeping of industrial Solid Material Handling and Conveying System and should enclose proof of the same. Bidder shall submit necessary evidence for the same like attested copies of work orders along with work completion certificates from clients. The work completion certificate shall comprise of Order value & Executed value. Bidders should have executed the work directly. The work executed as a sub-contractor or subletting agency shall not be taken in to consideration.

Note: For evaluation of the bid, the executed value mentioned in the work completion certificate will be considered.

- 5.2 Bidder should produce evidence of having experience of successfully completed similar works as defined hereunder during last **five years** ending last day of the month previous to the one in which tender is invited, satisfactory progress of ongoing works etc. secured from clients along with certified copies of documentary evidence preferably photo copies of work experience. The experience should be either of the following:

a. **One similar completed work each costing not less than the amount equal to 60 % (83.12 Lac) of the Annual estimated cost.**

**OR**

b. **Two similar completed works each costing not less than the amount equal to 40 % (55.41 Lac) of the Annual estimated cost.**

**OR**

c. **Three similar completed works each costing not less than the amount equal to 30 % (41.56 Lac) of the Annual estimated cost.**

Bidder should specifically mention fulfilling of above criteria in his offer along with details of work orders & work completion certificates issued by clients.

- 5.3 Bidder shall have to submit satisfactory work completion certificate from the client. Experience as a sub-Contractor will not be allowed and Price Bid of such Bidders will be rejected.
- 5.4 Tender Fee: The Tender Fee shall be accompanied in form of Demand Draft.
- 5.5 EMD: The EMD shall be accompanied in the form of DD or Bank Guarantee given by Bank as described in subsequent Clause no. 8.
- 5.6 Bidder should have separate Employees Provident Fund code number towards registration of firm with RPF commissioner.



- 5.7 Attested copies of relevant documents duly signed & sealed on each & every page shall be submitted. The above documents will be analyzed and if found satisfactory, the Price Bid will be open. GIPCL may verify the documents, experience certificates issued by concerned authority. After opening of Technical Bid, if any required attested documents found missing in the Technical Bid submitted by the Bidder, the tender inviting authority may inform to that Bidder only once by e-mail to submit the missing required documents within stipulated time limit. If Bidder/Bidders fail to submit within stipulated time, their Bid will be declared technically disqualified and no further correspondence will be entertained.
- 5.8 Bidder should have annual turnover of **30% (41.56 Lac)** of estimated Annual contract value for last three financial years. Bidder shall furnish annual audited financial statement duly certified by Chartered Accountant for the last three financial years to demonstrate the financial healthiness of the company. The Balance sheet must be in the name of the company. Any type of MOU for this purpose will not be entertained.
- Note: In case, the annual turnover is less than the statutory guidelines which does not require audit, the Bidder shall submit the turnover certificate from Chartered Accountant.
- 5.9 The Net worth at the end of the last financial year should be positive (+).
- 5.10 The Bidder has to submit Income Tax Permanent Account Number (PAN), TIN/VAT no. of the firm. Copies of the same shall be submitted.
- 5.11 Bidder has to submit Service Tax registration number. Copy of the same shall be submitted.
- 5.12 In case Bidder is a joint venture company since last five years, the above requirements/credential of Joint Venture Company / Parent companies shall be considered.

**The Bidder shall submit all the evidences, documents, attested copies of Work Orders & Work completion certificates etc. as a proof with EMD & Tender Fee and also provide the requisite details *Online* for meeting the pre-qualification requirements. GIPCL will verify the experience, performance, capability & strength of Bidders, independently for executing the job. GIPCL may visit the site & consult the owner of the industry/property where similar job is executed by the Bidder. GIPCL reserves the right to accept / cancel / reject any/all Bids without assigning any reason thereof. The Tenders of qualified Bidder/Bidders shall only be considered for further evaluation.**



## **6. PRE-BID MEETING**

A Pre-bid meeting will be arranged at Office of Surat Lignite Power Plant as per details given in the NIT (Notice Inviting Tender). All the Bidders are required to attend or send their authorized representative along with authorization letter for attending this meeting. It is desirable to attend the Pre-bid meeting as the subject Handling (Operation), Maintenance and Housekeeping work is directly related to the plant operation and performance of our plant depends on timely completion of these awarded works.

## **7. LANGUAGE OF BID**

The Bid prepared by the Bidder, and all correspondence and documents relating to the Bid exchanged by the Bidder and the Company, shall be written in the English language. Any printed literature furnished by the Bidder, written in another language shall be accompanied by an English translation for the purpose of interpretation of the Bid.

## **8. EARNEST MONEY DEPOSIT (EMD) and TENDER FEE**

- 8.1 An EMD of ₹ 3,00,000/- and Non-refundable Tender fee ₹ 3,000.00 shall accompany with Bid. The EMD & Tender fee shall be in the form of a crossed bank Demand Draft in favour of Gujarat Industries Power Co. Ltd. as per following details:

<b>Bank</b>	<b>Payable at:</b>
1. Bank of Baroda	Mosali, Dist: Surat
2. State Bank of India	Nani Naroli, Branch Code: 13423
3. Any Nationalized bank	Surat

- 8.2 The EMD, in alternative, may be submitted in the form of irrevocable Bank Guarantee in favour of Gujarat Industries Power Company Limited from any Nationalized Bank including Public Sector bank - IDBI Ltd or AXIS Bank, HDFC Bank, ICICI Bank or Kotak Mahindra bank, Yes Bank, Ratnakar Bank, IndusInd Bank, Karur Vysya Bank, DCB Bank, ING Vysya Bank or The Kalupur Commercial Co-operative Bank Ltd, Rajkot Nagrik Sahakari Bank Ltd, The Ahmedabad Mercantile Co-operative bank Ltd, The Mehsana Urban Co-operative Bank Ltd, Nutan Nagrik Sahakari Bank Ltd as per Performa of BG enclosed with this E-tender under Section-F.

- 8.3 In case EMD is paid in the form of BG, the same shall be valid for a period of 180 days after the due date for submission of the Bid.
- 8.4 The EMD of the successful Bidder will be returned after payment of Security Deposit by successful Bidder.
- 8.5 The Earnest Money Deposit paid in the form of Demand Draft will be refunded to the unsuccessful BIDDER as soon as the Tender is finalized.



8.6 Any bid not accompanied with EMD and Tender fee will be rejected. Tender Fees and EMD should be submitted in physical form directly to GIPCL as per Clause 8.9.

8.7 No interest shall be payable on EMD.

8.8 The EMD will be forfeited if the BIDDER (i) withdraws his Tender after acceptance or (ii) withdraws his Tender before the validity date of the tender.

8.9 SCHEDULE OF EMD & TENDER FEES:

EMD & Tender fee and other documents duly signed to be submitted in physical form on or before 03.01.2017, 16:00 hours after due date of closing of the tender	<p>Address for Submission:</p> <p><b>AGM - SLPP</b>  <b>GUJARAT INDUSTRIES POWER CO. LTD.,</b>  <b>(Surat Lignite Power Plant)</b>  <b>Village – Nani Naroli, Taluka – Mangrol</b>  <b>District – Surat 394 110, Gujarat</b>  <b>Phone : 02629-261063 (10 lines)</b>  <b>Fax : (02629) 261073 / 261074</b></p>
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## 9. SUBMISSION OF BIDS

### A: MODE OF SUBMISSION

The Bids shall be submitted online on (n)Procure portal ([www.nprocure.com](http://www.nprocure.com)) within the dates specified in the NIT along with the details of Tender Fees, EMD in two parts as under:

- (a) Pre-qualification and Techno-commercial Bid without price.
- (b) Price Bid.

**Note: Tender fee and EMD shall be submitted in physical form within three working days after due date of closing of the tender.**

#### (a) Pre qualification and Techno-commercial Bid without price:

The Tender document duly signed in all pages without price bid along with techno-commercial deviations, if any, shall accompany the Bid. The following Information shall be provided in the techno commercial bid:

1. Qualification and experience of Site In-charge.
2. Schedule of deviation (Annexure-J) Technical as well as commercial, if any.
3. Qualification & experience of Supervisors / Engineers.

The following supporting documents shall also be submitted along with EMD & Tender Fee in physical form:



1. The Tender Document dully signed in all pages without price bid along with Techno-commercial deviations, if any.
2. Proof of experience meeting the minimum eligibility criteria.
3. Performance certificate issued by clients.
4. Previous Work Order copies.
5. Details of present Work Order (if any).
6. Turn over for the last three years, audited annual accounts/financial statements i.e. Profit and Loss account and Balance Sheet duly certified by a practicing CA will be required.
7. P.F Number and Allotment Letter.
8. PAN Number.
9. Service tax registration number/certificate copy.

**(b) Price Bid:**

1. Price Bid shall be submitted **online** only in through (n)Procure portal ([www.nprocure.com](http://www.nprocure.com)).

**Note: Estimate includes cost of all manpower, equipments, vehicles, consumables, tools & tackles, transportation, Safety statutory compliance, mobilization etc.**

2. Service tax shall be paid extra at actual as per prevailing rates as declared by Central Government on submission of documentary evidence.
3. **Bidder shall have to quote the rates in the form of percentage (%) i.e.**

**At the Estimated Contract value OR**

**\_\_\_\_\_ % below the Estimated Contract value OR**

**\_\_\_\_\_ % above the Estimated Contract value**

4. The quantities shown in the Price Bid are approximate for the Contract Period and may vary as per job requirement.
5. The Bidder shall fill the Bid documents with utmost care in consonance with the instructions contained in the Bid documents.
6. Escalation rate at Flat 5% will be considered for the second year on the Annual Contract value of the first year. This shall be paid to Contractor in the respective monthly bills of the 2<sup>nd</sup> year of Contract period.

**B: METHOD OF TENDERING / SIGNATURE ON BIDS**

- (i) The Bid must contain the postal address like name, residence and place of business of the person or persons submitting the Bid and must be signed and



sealed by the Bidder with his usual signature. The name of all persons signing the documents shall also be typed or printed below the signature on each page.

- (ii) Bid by a joint venture/partnership firm must be furnished with full names of all partners and be signed with the partnership name, followed by the signature and designation of one of the authorized partners or other authorized representative(s). A certified copy of the power of attorney authorizing such partner or representative shall also be submitted.
- (iii) Bids by a Corporation/Company must be signed with the legal name of the Corporation/Company i.e. by the President/Managing Director/Secretary or other person or persons authorized to Bid on behalf of such Corporation/Company. A certified copy of the board resolution/power of attorney authorizing such partner or representative shall also be submitted.
- (iv) The Bidder's name stated on the proposal shall be the exact legal name of the firm.
- (v) Erasures or other changes in the Bid Documents shall be initialed by the person signing the Bid.
- (vi) Bids not conforming to the above requirements of signing shall be disqualified.

#### **10. MODIFICATION AND WITHDRAWAL OF BIDS**

- a. The Bidder may modify or withdraw the bid prior to the deadline prescribed for submission of bids.
- b. No Bid shall be modified subsequent to the deadline for submission of Bids.
- c. No Bid shall be withdrawn in the interval between the deadline for submission of Bids and the expiration of the period of bid validity.

#### **11. POLICY FOR BIDS UNDER CONSIDERATION**

- a. Bid shall be deemed to be under consideration immediately after opening of the Bid and till official intimation of award / rejection made by the Company to the Bidders.
- b. While the Bids are under consideration, Bidders and / or their representative or other interested parties are advised to refrain from contacting by any means, the Company. The Engineer, if necessary, will obtain clarifications on the Bids by requesting for such information from any or all the Bidders, in writing as may be necessary. The Bidder will not be permitted to change the price or substance of the Bid after the Bid has been opened.

#### **12. EFFECT AND VALIDITY OF THE BID**

- a. The Bid should be kept valid for acceptance for a period of one hundred and eighty (180) calendar days from the last date of submission of Bids.
- b. The submission of any Bid along with the required documents and specifications shall constitute an agreement that the Bidder shall have no cause of action or claim, against the Company for rejection of his Bid. The Company shall always be at liberty to reject or accept any Bid or Bids at his sole discretion and any action will not be called into question and the Bidder shall have no claim in that regard against the GIPCL.



### **13. OPENING OF BIDS**

13.1 The GIPCL will open the Pre-qualification / Technical Bid / Price Bid, as the case may be, in presence of Bidder's representatives whenever such a procedure has been specified. Otherwise the tender will be opened by the authorized officers of GIPCL.

#### **13.2 Preliminary Examination:**

13.2.1 The Company will examine the Bids for any computational errors, for sureties furnished by Bidder, for authentication of documents submitted and completeness of the Bids.

- (i) Arithmetical errors will be rectified on the following basis:
  - (a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price will be corrected & will be binding to the bidders
  - (b) If there is a discrepancy between the Total Bid Amount and the sum of total prices, the sum of total prices shall prevail and the Total Bid Amount will be corrected & will be binding to the Bidders.

### **14. EVALUATION & COMPARISON OF BIDS**

14.1 GIPCL shall evaluate the Bids received and accepted by it to ascertain the lowest evaluated Bid in conformity with the specifications of the Tender Document.

14.2 The Technical Bids will be examined for minor matters regarding qualification of bids. Subsequent to correspondence with the respective bidders, the decision of Tender Committee will be final.

14.3 All responses to requests for clarifications shall be in writing and shall be presented to the Company through e-mail or in a sealed envelope on or before the given date requested by the Company. If the Technical clarifications sought by the Company do not reach the Company on or before due date, the Bid will be rejected.

14.4 The comparison of all the Bids shall be carried out with reference to the scope of work as per the technical specification. Any deviation / omission shall be evaluated at highest quoted price of the deviation / omission quoted by any of the Bidder. In case a separate price (for omission) is not given by any other Bidder, a reasonable price of the same shall be taken & the same shall be binding to the Bidders.

14.5 The commercial deviation, if any, shall be loaded to bring all the Bids at par. The loading shall be carried out at an interest rate of 2% above PLR of SBI.





14.6 A Bid to be substantially responsive shall be one which on evaluation confirms to all the terms, conditions and specifications of the Bid documents without any material deviation or reservation.

14.7 For the above referred purpose, a ‘material deviation’ shall be one which:

- (a) Which affects in any substantial way the Scope, Quality or performance of the Contract, or
- (b) Which limits in any substantial way and in a manner inconsistent with the Bid documents, GIPCL’s right or the Bidder’s obligations, under the contract, or
- (c) Whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

## **15. RIGHT OF REJECTION OF TENDERS**

15.1 GIPCL reserves the right to accept or reject any Bid or to cancel the Bidding process and reject all Bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders regarding the same.

15.2 Any Tender without EMD and Tender Fee will be treated as non responsive and shall be rejected at the outset & no further correspondence shall be entertained regarding this.

15.3 GIPCL reserves the right to debar any Bidder from participation in future Bids if such Bidder has quoted an abnormally low rate in the Bid document/price Bid.

## **16. AWARD OF CONTRACT**

16.1 GIPCL will award the Contract to that Bidder whose quotation has been determined to be substantially responsive and evaluated as the lowest quotation in conformity with the requirements of the specifications and documents contained herein, provided further that the bidder is determined and evaluated to be qualified to perform the contract satisfactorily.

16.2 The successful bidder shall be intimated of his selection through the Letter of Intent or Letter of Award/ Work Order which shall be sent to him through e-mail, courier, fax or registered mail.

## **17. CONTRACT PERIOD**

17.1 The Contract period shall be 2 years from the date of Lol. The exact dates shall be as mentioned in the Letter of Intent (Lol) / Work Order which shall be awarded to the successful Bidder (‘Contract Period’).

17.2 GIPCL reserves the right to extend the Contract Period up to 3 months on the same rates and terms and conditions without any price escalation and entering into any new contract.



17.3 The said Contract Period can be extended if mutually agreed upon by both the parties up to one year and in such a case a revised Work Order shall be issued at the same rates and terms & condition or at negotiated rates acceptable by both parties i.e. the Company & the Contractor.

## **18. CONTRACT SECURITY DEPOSIT/ PERFORMANCE BANK GUARANTEE**

As a Contract Security, the successful Bidder, to whom the work is awarded, shall be required to furnish a Performance Bank Guarantee (PBG) / Contract Security Deposit in favour of Gujarat Industries Power Company Limited for guarantee amount at **5% of the “Total Contract Price”** from any Nationalized Bank including Public Sector bank - IDBI Ltd or AXIS Bank, HDFC Bank, ICICI Bank or Kotak Mahindra bank, Yes Bank, Ratnakar Bank, IndusInd Bank, Karur Vysya Bank, DCB Bank, ING Vyasya Bank or The Kalupur Commercial Co-operative Bank Ltd, Rajkot Nagrik Sahakari Bank Ltd, The Ahmadabad Mercantile Co-operative bank Ltd, The Mehsana Urban Co-operative Bank Ltd, Nutan Nagrik Sahakari Bank Ltd in the format attached in **SECTION - F**, and it shall guarantee the faithful performance of the 'Contract' in accordance with the terms and conditions specified in these documents and specifications. Contract Security Deposit shall be submitted strictly within twenty one (21) days from the date of Lol or Work Order, whichever is earlier. The guarantee shall be valid up to retention period of three months from the contract completion date. The Guarantee amount shall be payable to the Company in Bidder's home currency without any condition whatsoever.

The Performance Bank Guarantee (Security Deposit) will be returned to the Vendor/Contractor without any interest at the end of the 'Retention Period' after completion of contract and on fulfilling contractual obligations throughout the retention period. However, any delay in submission of initial SD will result in equivalent late release of entire SD after guarantee period.

## **19. ASSIGNMENT AND SUB-LETTING**

The Contractor shall not directly or indirectly assign or sub-let total / any part of the Contract to any other party or agency.

## **20. CONTRACTOR'S OBLIGATIONS**

### **A. DEPLOYMENT & RESPONSIBILITY OF MANPOWER**

- (i) The Contractor shall deploy suitably qualified and sufficient manpower for timely & satisfactorily execution of the works under the Contract.
- (ii) The Contractor shall deploy sufficient Skilled, Semi-skilled and Un-skilled manpower separately to properly complete the job in given/scheduled time.
- (iii) The Contractor shall depute its own workmen / labour with proper identification to enter the plant premises after ensuring that the jobs are scheduled.
- (iv) At the time of deploying manpower, the Contractor shall strictly comply all the applicable labor laws/Acts norms including but not restricted to the age of the workers, women workers and shall also ensure that a police verification and



security check for all the workmen / labour engaged at the GIPCL site is done and necessary documents regarding the same shall be submitted to the GIPCL's authorized representative/officer-in-charge. Any default in complying with the same or any misrepresentation regarding compliance of the same shall compel GIPCL to initiate appropriate civil or criminal proceedings regarding the same.

- (v) The Contractor shall also comply with the safety requirements and provide his workmen/labour with safety equipment like safety helmets, masks, gum boots, a uniform and other necessary PPEs for properly undertaking the operations involved under this contract. Following are also to be issued:
  - a) Safety shoes
  - b) Goggles / Face shield.
  - c) Ear plug / Ear muff.
  - d) Hand gloves like Electrical hand gloves / Cotton hand gloves / Chemical hand gloves
- (vi) Contractor shall nominate / authorize senior experienced person in writing as Site In-charge to co-ordinate with GIPCL's Engineer and who shall bear overall responsibility for performance of the Contract. Such person shall remain always available at site or site office allotted to the Contractor at SLPP site. Contractor has to submit the authority letter and documentary proof for the same.
- (vii) The Contractor shall appoint Supervisors / Engineers as per the Manpower requirement mentioned later in the Tender document who shall co-ordinate with GIPCL's Engineer In-charge for daily entrusted job. They have to maintain daily records duly signed for the works carried out and duly certified by Engineer-In-Charge. The Contractor in co-ordination with the Engineer-In-Charge shall ensure the availability of adequate manpower to carry out the job satisfactorily on a daily basis. As per the instruction of Engineer-In-Charge they have to allot the work and execute the same in specified time limit.
- (viii) During execution of the works, one or more jobs may be required to be done simultaneously and the Contractor shall mobilize additional resources accordingly.
- (ix) During emergency or similar situations the Contractor shall be required to mobilize resources as per need within the period of four (4) hours as directed by GIPCL. If the Contractor fails to mobilize sufficient manpower to complete the job in time, GIPCL will execute the job through other agency at the risk and cost of the Contractor with 15% supervision charges & the same will be recovered from the Contractor's bill.
- (x) During working in high risk area like hot ash conveying lines, Hopper portion containing hot ash / hot water etc., workmen must wear a suitable safety apron, safety belt, safety hand gloves and goggles. It is the Contractors' / Contractors' Supervisor's responsibility to ensure it without failure.
- (xi) During unit overhauling, the Contractor has to enhance the site manpower as per the requirement to ensure the timely completion of work (During overhauling period quantum of work increases substantially). For this, enhanced work shall be completed by deploying additional manpower with separate supervisor. Payment will be made on item rate basis only. The work during the overhauling



period is to be carried out round the clock. Contractor should mobilize sufficient number of manpower and execute the work in all shifts (if required, as directed by the Engineer In-charge) with independent manpower. Contractor should not continue the same manpower for more than 12 hours.

## **B. TOOLS & TACKLES and CONSUMABLES**

### **• TOOLS & TACKLES**

1. For proper Handling Maintenance and Housekeeping of the plant, the Contractor is required to maintain sets of tools & accessories in good working condition at site. The tentative list of such tools & tackles is enclosed as Annexure in SECTION - F. The Contractor shall note that this list is not exhaustive and if any additional tools and tackles are required for proper performance of the contract, the Contractor shall also arrange the same immediately with no extra cost to GIPCL.
2. All Tools and Tackles to execute the Contract are in the scope of the Contractor. The Contractor should ensure that Tools are in healthy condition. All consumable items i.e. cloth, cotton waste, kerosene oil, gases (Oxygen, D/A, Argon), welding electrode, etc. would be in the scope of the Contractor.

Note: the Welding electrode should be approved make i.e. Advani, Oerlikon, ESAB, D&H, L&T only

3. Provision of scaffolding material for maintenance work will be in the scope of the Contractor. The scaffolding shall be with pipe and clamps *and* metallic gratings.
4. The Contractor shall be required to shift spares, lubricant etc in required quantity duly approved by GIPCL's Engineer In-charge whenever necessary from GIPCL's store/warehouse to site *or* site store as per the instructions of Engineer In-charge. Contractor shall be required to arrange transportation for above. The cost of transportation will be on Contractor's account. The Contractor shall be responsible for its safe transportation, handling and storage. If equipment fails due to improper lubrication *or* intermixing, the cost of such damages shall be recovered from Contractor's bills. It is the responsibility of Contractor to keep various lubricants separately to avoid intermixing. The failure/defects of equipments due to improper method of maintenance, equipment assembly due to Contractors' negligence, and the losses will be recovered from Contractors' monthly invoices.
5. In case of Breakdown of equipment, the Contractor should work round the clock for putting back the equipment in service immediately within minimum time. In case of any emergency arising during night hours the Contractor should be in a position to mobilize the manpower immediately within minimum time.
6. Arrangement for lighting at the work spot has to be made by the Contractor. He has to arrange all lighting equipment such as power cable, hand lamps etc. The Contractor has to take prior approval for taking electrical power supply. The Contractor should keep hand lamps of 24 volt, 240 volt and sufficient quantity of Halogen lamps.
7. Pin sockets of IS standards should be used for all connections. For any accident take place & any damage to the equipment and/or injury to human due to carelessness in



loose connection, Contractors will be held responsible & liable for any recovery/actions.

8. Electrician / Supervisor should ensure that the cable connection is not in loose condition, which may cause any damage or failure to the machine/manpower. Pin sockets of IS standards should be used for all connections.
9. All new replacements whether spare parts or any other, shall be inspected and approved by GIPCL's Engineer In-charge before it is actually put to use. It shall be the Supervisor's responsibility to ensure this without failure.
10. The Contractor must ensure that all the generated scrap, cotton waste, waste oil, Tools & Tackles are removed from the site immediately and he must ensure cleaning of the site. Further, these items should be disposed off to the Scrap yard or any other designated place as instructed by Engineer In-charge. In case of heavy weight items, if required, transportation may be arranged by the GIPCL at the discretion of the Engineer In-charge. If the Scrap removal is not done within the stipulated time given by GIPCL's Engineer In-charge, the Scrap will be removed by GIPCL at the Contractor's cost with penalty and it will be deducted from the monthly invoices.
11. Insulation scrap materials like glass wool, ceramic wool etc. should be collected in gunny bags with proper care and then disposed at a suitable location as per the instructions of Engineer In-charge.
12. It is the responsibility of Site In-charge to segregate and remove the scrap from site. Work will be certified by Engineer In-charge only after removal of Scrap to the Scrap yard.

- CONSUMABLES

Following are the list of minimum items / consumables and the minimum quantity that has to be maintained by the Contractor at any time:-

- I. General purpose electrode: 25 Kg.
- II. Oxygen Gas cylinder: 5 nos.
- III. DA Gas cylinder: 4 nos.
- IV. Diesel: 10 liter
- V. Painting brush: 5 nos.
- VI. Wire brush: 10 nos.
- VII. Emery paper of different grades
- VIII. Grinding wheel: 5 nos.
- IX. Wire breaded buffing wheel: 2 nos.
- X. Cotton waste: 50 kg

The above list is not exhaustive and any other consumables required for plant maintenance shall be in the scope of Contractor.

**Note: If work is suffered due to want of sufficient manpower, tools & tackles, vehicles, equipments and/or required consumables then 25% of the total job cost will be levied as a penalty for each and every instance.**



## **21. CLARIFICATION OF BIDDING DOCUMENTS**

If any Bidder requires any further information or clarification in the Bidding Documents, may notify the Company before one week of last date of submission of online Bid, in writing or by E-mail at the GIPCL's mailing address [rajeshsingh@gipcl.com](mailto:rajeshsingh@gipcl.com) as indicated in the 'Invitation to Bids'. The GIPCL's response (including an explanation of the query) will be sent in writing or by E-mail to all prospective Bidders who have received the Bidding Documents.

## **22. TIME SCHEDULE**

The basic considerations and the essence of the 'Contract' shall be the strict adherence to the time schedule for performing the specified 'Works'.

## **23. UNDERSTANDING AND CLARIFICATION ON DOCUMENTS AND SPECIFICATION**

The Bidder is required to carefully examine the specifications and documents, all the conditions and matters work wise & cost wise. If any Bidder finds any discrepancies or omissions in the specifications and documents or is in doubt for any meaning of any part, he shall request in writing for an interpretation/ clarification to the GIPCL or during Pre-Bid meeting.

All such interpretations and clarifications shall form a part of the Bid documents.

## **24. PAYMENTS**

All the payments against the Work Order shall be in Indian currency and payable through cheque only.

## **25. POINTS TO BE CONSIDERED DURING QUOTING ONLINE PRICE BID**

- a. The Schedule of Rates (SoR) shall be read in conjunction with Instructions to Bidders, General Conditions of Contract, Special Conditions of Contract and Technical specifications.
- b. The quantities given in the Schedule of Rates (SoR) are estimated and will be made as per actual work carried out as per the rates of Work Order.
- c. The method of measurement of completed work for payment shall be in accordance with the method of measurement specified in the Tender document
- d. No separate amount shall be payable for use of auxiliary equipment incidental to or in day to day operation in the course of fulfillment of contractual obligation of the supplier.

**Note: Interested bidders are requested to submit the online tender at least two days in advance from the due date set for Online submission of Bid in order to avoid non-participation in e-Tender due to probable technical problem in (n)Procure portal.**





## **26. QUANTITIES**

The quantities specified are estimated and for tendering purpose only. Payment will be made, based on actual work done as certified by Engineer In-charge of GIPCL.

Quantities of individual items may be revised during the course of Contract period based on site requirement. Contractor shall not be entitled for any compensation on ground of such alteration in scope of work. GIPCL reserves the right to operate or increase / decrease quantities in each item or omit any item included in Schedule of Quantity at his discretion. Contractor shall have no claim, whatsoever, on grounds of loss of anticipated profit etc. on account of the same.

After commencement of the work, GIPCL, for any reason may not require to be carried out the whole/part of the work as specified in the tender, the Engineer In-charge shall inform the fact for thereof to the Contractor and the Contractor shall have no claim for any payment or compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of the full amount of the work not having been carried out nor shall he have any claim for compensation by reason of any change having been made in the original specifications and instructions which shall involve any curtailment of the work as originally contemplated.

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## **SECTION - B**

### **INSTRUCTIONS TO BIDDERS FOR ONLINE TENDERING**

1. Tender document is available only in electronic format. Bidders can download free of cost from the (n)Procure portal ([www.nprocure.com](http://www.nprocure.com)).
2. All Bids Pre-Qualification / Techno-commercial bid (Part-1) and Price Bid (Part-2) shall be submitted Online through the (n)Procure portal ([www.nprocure.com](http://www.nprocure.com)). The Part-1 of Bid may be submitted in Physical form also but Part-2 shall be submitted **Online** only. Physical submission of Price Bid will not be entertained. Also no fax, e-mail, letters will be entertained for the same.
3. Following should be submitted ‘off-line’ in sealed covers separately during dates & time set in ‘NIT’ at our Office at Village: Nani Naroli, Taluka: Mangrol, Dist.: Surat - 394 110, Gujarat:
  - Tender Fee,
  - EMD,
  - Supporting Documents for Technical Bid
4. Bidders who wish to participate first time in Online tenders will have to register their firm at GIPCL-SLPP by applying for registration through ‘Vendor registration option’ available in the website - <http://etender.gipcl.com/> at least before five (5) working days from the due date set for Online Bid participation. GIPCL will not be held responsible in case of late submission for Vendor registration. Bidders shall fill the online vendor registration form and submit it online. GIPCL will create ‘Vendor Code’ which will be used as user ID for online participation in GIPCL’s tenders. Both vendor code (user ID) and password will be generated automatically and will be sent by auto generated e-mail to Bidder’s official e-mail account as provided by Bidder in vendor registration form.



## **SECTION - C**

### **GENERAL CONDITIONS OF CONTRACT**

#### **1. CONTRACT SECURITY DEPOSIT/ PERFORMANCE BANK GUARANTEE**

As a Contract Security, the successful Bidder, to whom the work is awarded, shall be required to furnish a Performance Bank Guarantee (PBG)/Contract security deposit in favour of Gujarat Industries Power Company Limited for guarantee amount at Five percent **(5%)** of the “Total Contract Price” from any Nationalized Bank including Public Sector bank-IDBI Ltd or AXIS Bank, HDFC Bank, ICICI Bank or Kotak Mahindra bank, Yes Bank, Ratnakar Bank, IndusInd Bank, Karur Vysya Bank, DCB Bank, ING Vysya Bank or The Kalupur Commercial Co-operative Bank Ltd, Rajkot Nagrik Sahakari Bank Ltd, The Ahmadabad Mercantile Co-operative bank Ltd, The Mehsana Urban Co-operative Bank Ltd, Nutan Nagrik Sahakari Bank Ltd in the format attached in **SECTION-F**, and it shall guarantee the faithful performance of the 'Contract' in accordance with the terms and conditions specified in these documents and specifications. Contract security deposit shall be submitted strictly within twenty one days from the date of Lol or work order, whichever is earlier. The guarantee shall be valid up to retention period of three months from the contract completion date. The Guarantee amount shall be payable to the Company in Bidder's home currency without any condition whatsoever.

The Performance Bank Guarantee (Security Deposit) will be returned to the Vendor/Contractor without any interest at the end of the ‘Retention Period’ after completion of Contract and on fulfilling contractual obligations throughout the retention period. However, any delay in submission of initial SD will result in equivalent late release of entire SD after guarantee period.

#### **2. PENALTY AND RECOVERY:**

- (i) In the event the Contractor causes undue delay in performance or the performance is unsatisfactory causing harm to the plant and property of GIPCL, then in such a case, GIPCL (Engineer In-charge) shall be entitled to levy a penalty on the Contractor at the rate of 1.5 times of the item rate up to a maximum of 10% of the annual Contract value. The said penalty amount may be recovered either from the monthly invoices or the Security deposit.
- (ii) In addition to and without prejudice to the above, GIPCL shall also have the right to get the affected work completed by a third party or agency at the risk and cost of the Contractor/ and the Contractor shall be liable for any differential amount in the Contract price.
- (iii) In case of any damage of equipment/machinery due to negligence of Contractor or any other reasons attributed to Contractor the decision of Engineer In-charge regarding the amount of recovery shall be final and binding subject to a maximum of 10% of the annual contract value. Recovery will be affected from the monthly bills and/or Security deposit.



- (iv) If the Contractor fails to execute the work as per directions of Engineer In-charge within the time frame given in work order and / or day to day instructions given by Engineer In-charge, GIPCL shall get the work done by third party at the risk & cost of the Contractor with 15% additional overhead charges of GIPCL.
- (v) The ascertainment of the cause of the damage shall be done by the AGM (SLPP) and his decision in this regard shall be final.
- (vi) The decision of the Engineer In-charge as regard the amount of damages to be recovered from the Contractor shall be final.
- (vii) The aforesaid amounts of Penalty and Damages shall be recoverable from the monthly invoices of the Contractor or the Security deposit. If the amount of damages recoverable from the Contractor exceeds the total of invoices and/or Security deposit amount, then the Contractor shall become liable to pay the same to GIPCL and GIPCL shall be entitled to initiate appropriate proceedings against the Contractor for the same.
- (viii) Tentative Penalty shall be imposed to Contractor for various instances as follows:
  - Un-Satisfactory work: ₹ 1000 per instance  
(Improper Operation *and/or* Improper Maintenance)
  - Shortage of Tools & Tackles: ₹ 750 per day per T&P
  - Non-following of Preventive Maintenance schedule without justifiable reason: ₹ 750 per day per equipment
  - Un-safe work: ₹ 750 per day per Instance
  - Damage to GIPCL equipment/ machinery: Up to satisfaction of or Free Replacement / repair 1.25 times the cost GIPCL shall incurs in repair / replacement
  - Deployment of less Technical people: Penalty will be levied if Contractor will deploy less technical person against GIPCL's requirement. The penalty will be 25% of quoted price for each category as per the respective Annexure in SECTION – F.
  - Work suffering due to non-availability of consumables like Gas, Electrodes, Cotton-waste & cleaning agents etc.: ₹ 750/- per instance/day.
  - Hire charges for Tools & Tackles (in case Contractor not equipped with and GIPCL borrows from other Contractors):
    - Lifting tackles: ₹ 1000 per day
    - Welding machine: ₹ 1000 per day
    - Cutting set: ₹ 1000 per day
    - Hydraulic Jack/ Mechanical Jack: ₹ 1000 per day
    - Small tools: ₹ 250 per day



- Gas / Electrode: 1.25 times of last purchase value.
- Light fixtures/ Hand lamp: ₹ 250 per 8 hours
- Defects which are critical & affecting the system are to be attended immediately failing to which ₹ 1000 per day will be levied as penalty. Similarly, the defects in the system not attended within 48 hours, ₹ 750 will be levied per defect per day.
- In-spite of repeated instruction, if any worker found without safety appliances like Safety shoe, Safety helmet (inside the plant premises) or any other Safety gear which he is required to wear considering his job location, Necessary action shall be taken against that particular workmen like not allowing him in to plant premises etc. Also, a token amount of ₹ 100/- per day would be deducted as per the discretion of Engineer In-charge / Safety Officer.
- Absence of Site In-charge/ Maintenance Engineer/ C&I Engineer without prior information for leave and/or any intimation to GIPCL's Engineer In-charge: ₹ 500/ day/ person (except being his weekly off, paid holidays etc.)
- Housekeeping not done as per Schedule or as per Scope of work:  
**Rate of item x 25%**

(ix) The maximum total Penalty which shall be deductible considering all above instances shall be limited to 10 % of total Contract value.

### 3. **ASSIGNMENT AND SUBLETTING OF THE CONTRACT**

The Contractor shall not assign or sub-let any part of the contract to any other party or agency without written permission from GIPCL.

### 4. **DEDUCTIONS FROM CONTRACT PRICE**

All costs, charges or expenses that GIPCL may have paid, for which, under the Contract the Contractor is liable, shall be recovered by the GIPCL. The Contractor shall pay all such claims within 15 days of claim failing which the same shall be deducted from the bills of Contractor.

### 5. **TERMINATION OF CONTRACT BY GIPCL**

Contractor shall be responsible to complete the jobs within agreed time schedule and in case Contractor fail to complete the job, GIPCL shall recover from his bill, Security Deposit and / or whatsoever for expenses incurred to complete the job with additional 15% overhead charges.

In case if Contractor's services are not found satisfactory with respect to mobilization, time bound completion of work, workmanship & safety (OHSAS policy of GIPCL) then GIPCL has right to terminate the contract at any time by giving him 15 days advance



notice without assigning any reason and will make the alternate arrangement at the risk & cost of Contractor.

GIPCL may terminate the contract after due recoveries of pending jobs / damages after giving 15 days advance notice to the Contractor if any of the following events occur:

- i. Contractor is adjudged as insolvent.
- ii. Contractor has abandoned the contract.
- iii. Contractor fails to proceed with the work with due diligence as per requirements of the contract.
- iv. Contractor has neglected or failed persistently to observe or perform any of the acts, matters or things, which as per the contract are to be observed and performed by the Contractor.
- v. Contractor repetitively violating the safety norms for more than three incidents.
- vi. Any major contradiction of applicable labour laws.
- vii. Any major deviations from contractual terms and conditions including quality of job.

## **6. FAILURE & TERMINATION**

If the Contractor after receipt of written notice from the GIPCL / Engineer In-charge requiring compliance, with such further drawings and/or the GIPCL / Engineer In-charge's instructions fails within seven days to comply with the same, the GIPCL / Engineer In-charge may employ and pay other agencies to execute any such work whatsoever as may be necessary to give effect thereto and all costs incurred in connection therewith shall be recoverable from the Contractor by the GIPCL on a certificate by the GIPCL / Engineer In-charge as a debt or may be deducted by him from any money due or to become due to the Contractor.

If the Contractor fails to execute the work or fails to mobilize the resources and equipments as per directions of GIPCL / Engineer In-charge within the time frame given and/or violating the GIPCL's safety rules & regulations, GIPCL / Engineer In-charge shall get the work done by third party at the risk & cost of the Contractor with additional 15% overhead charges of GIPCL and all costs incurred in connection therewith shall be recoverable from the Contractor by the GIPCL / Engineer In-charge as a debt or may be deducted by him from any money due or to become due to the CONTRACTOR.

## **7. SETTLEMENT OF DISPUTES**

- a. Any disputes or difference of opinion between parties arising out of the contract to the extent possible shall be settled amicably between the parties. If amicable settlement cannot be reached all the disputed issues shall be resolved through arbitration before a Sole Arbitrator appointed by Managing Director, GIPCL according to the provisions of The Arbitration & Conciliation Act, 1996. The place of arbitration shall be at Surat/Vadodara or any other place within state of Gujarat as may be mutually agreed by the parties in consultation with the tribunal.



- b. In appointment of the Sole Arbitrator, if the dispute claim is up to a sum of Rs. 25/- Lac, a person having a position equivalent to a Retired District Judge shall be appointed; for the claim higher than Rs. 25/- Lac and up to Rs. 100/- Lac, the same shall be referred to a Retired High Court Judge and for a claim exceeding Rs. 100/- Lac, the same shall be referred to a Retired Supreme Court Judge.
- c. Work under the contract shall be continued by the Contractor during arbitration proceedings unless GIPCL shall order suspension thereof or any part thereof in writing or unless the matter in such work cannot possibly be continued unless the decision of the Arbitration proceedings is obtained.

## **8. INTERPRETATION OF CLAUSE**

In case of disputes as regards interpretation of any of the clauses or specification, the decision of Addl. General Manager (SLPP) - GIPCL will be final and binding on the Contractor.

## **9. EMPLOYEE'S COMPENSATION INSURANCE**

Contractor shall take all risk Insurance Policy to cover all his workmen/employees, staff applicable under the Employee Compensation Act 1923 or any amendment thereof as also insurance cover for third party liability. The Contractor shall keep the GIPCL indemnified from all liabilities arising out of his action in pursuance of this contract. The E.C. Policy should be obtained from Surat Jurisdiction and shall be assigned to GIPCL. E.C. Policy should cover the specified contract period.

Contractor shall also obtain additional Off-duty coverage insurance policy for all his workers as per clause no. 35 herein under.

## **10. STATUTORY REQUIREMENTS**

### **A. COMPLIANCE OF LABOUR LAWS**

1. The Contractor shall at his own cost comply with the provision of labour laws, rules, orders and notifications whether central or state or local as applicable to him or to this contract from time to time. These Acts/Rules include without limitation of the followings.
2. Contractor shall be solely responsible and shall fully comply with all the provisions of all the labor laws applicable such as the Minimum Wages Act, 1948, Contract Labor (Regulation & Abolition) Act 1970, Factories Act, 1948, Payment of Bonus Act 1965, Employees Provident Fund and Miscellaneous Provision Act 1952, Industrial Dispute Act 1947, Workmen Compensation Act 1923, Payment of Gratuity 1972, Interstate Migrant Workmen Act 1979, Equal Remuneration Act with Rules, Order and Notifications issued/made there under from time to time.
3. All other Acts, Rules/Bye-Laws, Orders, Notifications etc. present of future applicable to the Contractor from time to time for performing the contract job.





- 3.1 The Contractor shall provide and be responsible for payment of Wages, Salaries, Bonus, Social charges, Insurance, Food, Accommodation, Transport, Medical and Canteen facilities and other statutory privileges and facilities to his personnel as per law / rules / regulations and orders of the Central Government, State Government, Local Authorities or other authorities as are in force from time to time. All employees of the Contractor shall be employee of the Contractor.
- 3.2 The Contractor shall have a valid license obtained from Licensing Authority under the Contract Labor (Regulation & Abolition) Act, 1970 at the time of execution of the contract covering all his employees working at SLPP site and furnish the same failing which GIPCL may terminate the contract at its sole discretion.
- 3.3 The Contractor shall at the time of execution of the contract have a EPF Code Number obtained from the Authorities concerned under the Employees Provident & Miscellaneous Provisions Act, 1972 and remit contributions in respect of the employees employed by him at SLPP Site to the P.F office concerned every month failing which GIPCL will recover from the outstanding payment to the Contractor from GIPCL.PF code of Gujarat region should be taken.
- 3.4 The Contractor shall maintain all records/registers required to be maintained by him under various labor laws mentioned above and produce the same before the Statutory Authorities whenever required.
- 3.5 The Contractor shall also submit periodical reports / returns to the various statutory authorities such as the Contract Labour (Regulation & Abolition) Act-1970, Employees Provident Fund Act etc. Under intimation to HR&A dept.
- 3.6 The Contractor shall not pay less than the Minimum Wages notified by the Government from time to time to his employees of corresponding categories.
- 3.7 The Contractor shall be responsible for payment of overtime wages to his workmen, if any, in case they are required to work beyond the prescribed hours under law as per applicable rates.
- 3.8 The Contractor shall take Workmen Compensation Insurance Policy for all his employees working at SLPP. The Contractor shall indemnify the company against any liability due to any work injury or accident to any of its employees.
- 3.9 The Contractor shall in the event any of his workmen / employee sustains any injury or disablement due to an accident arising out of and in the course of his employment, provide necessary medical treatment and pay compensation as applicable, required under the Workmen's Compensation Act, 1923.
- 3.10 If any of the persons engaged by the Contractor misbehave with any of the officials or the Company or commit any misconduct with regard to the property of the Company or suffer from any serious communicable disease, the Contractor shall replace them immediately.
- 3.11 The Contractor shall not engage / employ persons below the age of 18 years. Employment of women shall be strictly according to applicable laws.
- 3.12 GIPCL will have right to deduct and disburse the claims of the individual / parties being a principal employer on any account whatsoever in relation to their employment with the Contractor. The Security deposit will be released to





the Contractor at the end of the contractual tenure subject to an undertaking by the Contractor that in the event any of his workmen or the heirs of workmen puts up a claim for recovery of money due to him from the Contractor before the appropriate authority under the I.D.Act 1947 or under any other labor laws or for compensation under the Workmen's Compensation Act, 1923 and the appropriate authority has given a direction for making payment the Contractor will meet the same or indemnify GIPCL if in the event GIPCL pays it as Principal Employer.

- 3.13 The Contractor shall make payment of wages to his employees on fixed date within the period specified under the applicable Law, in presence of representative of the company. He will submit a true copy of wage sheet, attendance register and P.F. remitted challan on monthly basis to HR&A dept. for verification and record.
- 3.14 The Contractor shall provide Safety items / kits to his employees such as safety shoes, goggles, ear plugs, hand gloves, safety belts etc., if any, required under the law.
- 3.15 The Contractor shall conduct pre-induction and periodic medical checkup of his workmen as per applicable laws.
4. The Contractor shall be solely responsible for any accident caused to his workers and should adhere to all rules / regulations as per labor laws of Government and other statutory laws as applicable.
5. The Contractor should register himself under the Contract Labour Act, Employee Compensation Act and PF Act (Code no. to be mentioned) and submit the copy of registration certificate and should possess the same from the date of commencement of work, failing which the contract is liable to be cancelled. The E.C. Policy copy should be submitted to the GIPCL before commencement of the work and Labor License should be obtained within one week from the date of issue of form-V. Contractor should apply for Form-V immediately after receipt of Lol. A copy of Labour License shall be submitted to GIPCL, HR&A Department.
6. Contractor shall have to insure his workmen /supervisors etc. under Group Insurance scheme.
7. The Contractor shall be responsible for compliance of all statutory rules, regulation, act enforced from time framed by the government such as Factory Act, Employee Compensation Act, payment of 'Wages Act', Minimum Wages Act', Provident Fund Act, All Labor Laws Act in respect of employees engaged by him for the work and shall have to maintain necessary records. In case any amount becomes due to be payable by him to his employees or to the Government under the above rules, regulation, Acts, GIPCL reserves the right to recover the same from the running bill of the contract.
8. Documentary evidence of deposit of PF paid shall have to be produced by the Contractor along with the next bill.
9. Records as per the provisions of various statutory Acts will have to be maintained by the Contractor and submitted as and when required.



10. All employees of Contractor should maintain due discipline and respect local sentiments. GIPCL reserves the right to direct the Contractor to remove any such person who does not comply with it.

The above list is indicative in nature and not an exhaustive one. Any amendment/alteration/Notifications or addition to the existing Law or a new statute shall automatically and immediately become applicable.

## **B. LEGAL ASPECTS**

1. Contractor shall maintain all register required under the Labour Laws and make the payment as per the Minimum Wages Act to the workers employed by him.
2. Contractor shall obtain requisite license to carry out this contract under the provisions of Contract Labour Act, 1970 and maintain necessary records and registers under the said Act.
3. Contractor shall submit a copy of each of the registration certificates with respect to Employees Provident Fund and Employee Compensation Act within one week time, from the date of award of this contract.
4. Contractor's employees, agent or sub-agent shall not smoke or light anything within the premises of the GIPCL and carry match box / lighter or any other explosive and /or inflammable material inside the plant.
5. Contractor shall abide by all the statutory rules and regulations like P.F., Labour Laws etc.
6. Contractor shall issue an appointment order to each casual workmen stating therein the nature of job to be performed by him and fix time for which the concerned workmen are likely to be deployed. Contractor shall also issue a temporary identity card specifying the period for which the workmen has been deployed.
7. Contractor is fully liable for the persons engaged by him for above work; however, GIPCL reserves the right to deduct any amount legally justified towards any liability not fulfilled.
8. Contractor shall indemnify GIPCL from any liabilities arising out of the employment of the manpower.
9. If the Contractor fails to complete the allocated job within specified time frame, GIPCL shall get the work done by third party at the risk and cost of Contractor.

## **11. BENEFIT PAYABLE IN CASE OF ACCIDENT OUTSIDE PREMISES OR NOT DURING THE COURSE OF EMPLOYMENT (OFF DUTY COVERAGE):**

The Contractor shall provide an insurance coverage (Medical + Death Benefit) for sum of Rs. 1 Lac to all his workmen / labour deployed at GIPCL-SLPP site for the accident taking place anywhere outside the Company premises or at any place when the workman is not in course of his employment.



## **12. UNIFORM**

The Contractor shall issue three pairs of stitched uniform to contract workmen (Pant-Shirt for men and Sari-Blouse to women workers). However brand of fabric will be **MAFATLAL**. The color of the uniform shall be as indicated by GIPCL. The uniform should be issued to workmen within one month from the date of commencement of the Contract, otherwise penalty will be imposed

## **13. ADHOC ALLOWANCE**

It is also desired, considering the inflation and financial conditions prevailing in the market, to compensate the Contractor towards the benefits of Adhoc allowance, Contractor shall pay additional Adhoc allowances to the specified workmen per month.

## **14. LEGAL MATTERS PENDING BEFORE THE HON'BLE COURT**

In case, in any litigation pertaining to labour employed through contractor, if any direction or order is issued by court at any point of time, the contractor shall comply with and implement such direction or order whether passed at the time of award of Contract or during the pendency of Contract.

## **15. ANNUAL HEALTH CHECK-UP**

As per Statutory requirement Contractor has to inform workmen deployed at Site for Annual health check-up as per schedule prepared by GIPCL-SLPP's HR&A Dept.

- The Contractor shall be responsible for payment of overtime wages to his workmen, if any, in case they are required to work beyond the prescribed hours under the applicable law as per applicable rates.
- The Contractor shall not engage workmen below the age of 18 years. Employment of women shall be strictly according to applicable laws.
- The Contractor shall conduct pre-employment medical check-up and periodic medical check-up of his workmen employed by him as per applicable laws.

The list is indicative in nature and not an exhaustive one. Any amendment / alteration / Notifications or addition to the existing Law or a new statute shall automatically and immediately become applicable.

## **16. PAYMENT OF WAGES**

Contractor shall be responsible for compliance of all statutory rules, regulation, act enforced from time framed by the government such as Factory Act, Employee Compensation Act, payment of 'Wages Act', Minimum Wages Act', Provident Fund Act,



Payment of Bonus Act, Labour Law Act, maternity benefit act in respect of employees engaged by him for the work and shall have to maintain necessary records. In case any amount becomes due to be payable by him to his employees or to the Government under the above rules, regulation, Acts.

#### **17. VARIATION IN MINIMUM WAGE RATE:**

In case of any statutory variation in Minimum Wage Rates (MWR), the escalation on quoted rates shall be applicable subject to following consideration:-

- Prevailing Minimum Wage Rates (MWR) shall be considered as applicable on last date of bid submission (based on latest Government Notification) and all statutory payment like PF, Bonus and Leave, on prevailing rate notified by the Government of Gujarat as per Minimum Wages Act, 1948.
- The Labour component considered in SoR: **83%** of Estimated Rates.
- No reimbursement shall be made up to **5%** variation in prevailing minimum wage rate for first year of contract period.
- No reimbursement shall be made up to **10%** variation in prevailing minimum wage rate for second year of contract period.
- Any statutory variation in Prevailing wage rate beyond specified % variation in Minimum wage rate (i.e. to 5% variation in first year & 10% variation in second year), escalation on specified labour component (i.e. 83%) of estimated rates of SoR shall be applicable for differential % increased in minimum wage rate during applicable balance contract period.

#### **18. ACCIDENT TO WORKMEN**

Contractor shall be fully responsible for injury or death of any of your or third party workmen due to any act omission / indiscretion on your part while undertaking the work and Contractor shall fully abide by the statutory requirements of the employee's compensation act. GIPCL shall not be liable for any compensation due to accident, death or injury to any of Contractor's workmen or any third party due to negligence, act or omission on your part.

#### **19. LIGHTING**

General area lighting will be provided by GIPCL. However work area specific lighting should be arranged by Contractor.

#### **20. NIGHT/SUNDAY/HOLIDAY SHIFT**

The Contractor shall depute qualified and adequate resources in night shift / Sunday / holidays for any emergency job, which may come up at night / Sunday / holiday.

#### **21. SAFETY ASPECT**



Contractor shall observe all the safety and security rules and regulation of the GIPCL which are at present in force and which may come into force during the pendency of the contract. Any violation of any rules and regulations will entail immediate termination of the contract.

When Contractor moves his lifting tools and tackles to the plant area, required test certificates as per the Factory Act 1948 and the state factories rules has to be submitted to safety Dept. Safety Dept. will check the certificates and if found okay, then only materials will be allowed to enter inside the plant. Material inward gate pass will be made only after certification from Safety Dept. Security Dept. will inform to Safety Dept., as & when such tools and tackles brought at the gate for making entry in the maintenance site.

The Contractor has to submit the list of required safety gears along with safety equipments available with him to Safety Dept. Safety Dept. will check for quantity and quality of the safety gears and then allowed permission of work. Poor quality material will not be allowed to take inside the Plant. If quantity of required safety equipments is not satisfactory, Contractor will not be allowed to carry out the work using such safety gears inside the Plant for the work.

## **22. GENERAL SAFETY CLAUSES:**

1. The Contractor shall observe and comply, with regard to his workmen working at the SLPP site, the safety norms as per the safety operating standards.
2. The Contractor shall ensure that his workmen are informed and trained regarding the safety standards to be adopted while operating within the SLPP Plant & Mines premises and the Contractor shall brief them regarding the same and use of the Personal Protective Equipment ('PPE').
3. The Contractor shall issue safety shoes and safety helmet of IS standard to all his workmen immediately on execution of the work and the Contractor shall ensure that his workmen wears the protective equipments at all times during the work operation. Brand name for safety shoe & safety helmet shall be suggested by safety representative of SLPP site.
4. Other safety gears like ear plug, dust mask, hand gloves, safety goggles, gum boots, full body safety uniform and belts, safety net etc. shall be issued and used as per the job requirements. Safety helmet shall be of YELLOW COLOUR ONLY. Contractor will procure safety shoes & safety helmet from a reputed company with at least 12 months' guarantee and shall produce the guarantee certificate and IS standard certificate to the safety department. Contractor should purchase safety shoes of reputed brands. Safety shoes will be issued every year. IS certificate and guarantee certificate must be obtained from the vendor and submitted to the Safety department. Safety shoes should be heat, water, oil and chemical resistant, having an anti-slippery sole of 15298- 2002 make.
5. It is the duty of Contractor to ensure that his workmen are wearing required PPEs as per work requirement. Contractor should ensure that their workers are wearing Safety helmet, safety shoes, dust mask, goggles, ear plug etc. at all times when they are at work throughout the contract period. The Contractor has to maintain the PPE issue registers with signature of workmen.



6. Contractor will reissue these PPEs in case of damage or misplacement of the same. Replacement shall be made immediately.
7. The Contractor shall be responsible for providing first aid or emergency medical help and treatment to his workmen in the event of any accident or injury.
8. If it is observed that Contractor is not issuing required PPEs timely and that of required quality, GIPCL will issue the required PPEs to contract workers and back charge the same with 25% overhead charges of GIPCL.
9. All lifting tools and tackles shall be duly certified by competent person in conformity with the statutory requirements and certificate in form no. 10 as per rule 60 of Gujarat Factories Rules, 1963 and section 29 of the Factories Act, 1948 shall be submitted every year before using such tools and tackles. In case of purchase of new lifting tools and tackles, form no. 10 as per the said rules shall be submitted before they are taken into use. All lifting tools and tackles shall be of reputed make having International manufacturing standard and shall be maintained in proper and workable condition.
10. The Contractor shall nominate one Safety Officer with required qualification for supervising the daily job/ shutdown jobs for observing and maintaining the safety aspects at site. He is solely responsible for any safety measures during maintenance work. He has to ensure that all the workmen working at site are equipped with essential PPE's and proper safety arrangement is made at the SLPP site.
11. After mobilization of any tools & tackles to site, which includes chain pulley blocks, D-shackles, wire ropes, winch machines, Mobile crane, Hydra etc. shall be offered for inspection with all above statutory test certificate before using at site for any work. They should use all tools and tackles only after certification by GIPCL representative/safety officer.
12. When working at height, working on ceiling or roof covered with fragile materials, full body harness safety belt, ladders and crawling boards shall be used to prevent accident. Further, during working on height, Contractor should arrange proper scaffolding of still pipes, safety net, full body safety belt, fall arrestor system etc. Advice and instructions of engineer in charge/ safety in charge shall be strictly complied with in this regard. All necessary safety precautions shall be taken by the Contractor to prevent accident and personnel injuries while working on height.
13. Flash back arrestors made of reputed manufacturer shall be provided on cutting torch, on DA cylinders and on O2 cylinder. Cylinder caps also required for handling the cylinders at the work at height area. Gas cylinders shall be transferred through gas cylinder trolley only with cylinder cap and stored up right (vertical) position only. All gas cylinders shall be hydro tested / certified as per gas cylinder rules 2004. Gas cylinders shall be stored, handled as per gas cylinder rules 2004.
14. All vehicles shall be operated by licensed drivers only. All vehicles' PUC to be tested as per Government approved RTO guidelines. All Vehicles must be parked in Parking space designated by GIPCL. If any vehicle is found inside the plant premises other than the parking area such vehicles shall be handed over to Security dept. and their entry shall be cancelled for movement inside the plant premises with immediate effect.
15. All electrical equipment shall be in good condition and free from any defect. Electrical tools & equipments i.e. welding machine, grinding and drill machine etc. may be





- checked by the electrical engineer of the Contractors regularly, every six month at least and report to be submitted to concerned HOD and safety dept.
16. During hot work, Contractor will use fire curtains like asbestos sheets or fire blankets to prevent falling and spreading of sparks and hot material on and around the work area. Contractor will procure and use such items. ELCB / RCCB shall be provided with rating of 9-30 milli-amperes on welding machine and all portable power tools.
  17. The Contractor shall fill – up Incident notification form (S-I), Incident Investigation form (S-II) and near miss report within time limit as specified in forms, if any accident, Incident, near miss occurred while working at SLPP site.
  18. Major AMC / ARC Contractor (Where the man power strength is more than 50 and above) should appoint / nominate one qualified safety officer and he shall be responsible for addressing all the safety related aspects of execution of contract jobs and he will in close co ordination with safety officer of SLPP and attend all safety related meeting such as safety committee, on job safety training etc. Where the Contractual man power is less than 50, the Site In-charge of the Contractor will act as a Safety Officer and he will perform all the duties of safety officer as mentioned above.
  19. No loose connection / joints allowed in electrical cables during performance of any kind of job.
  20. Safety shoes to be issued to female employees also.
  21. All the vehicles shall be fit as per RTO guidelines and valid fitness certificate is required as per RTO guidelines.
  22. The Contractor's nominated safety officer shall be imparted regular on-job safety training like tool-box talk etc. and submit a record of such training in safety dept, respective dept and HR&A dept.
  23. The Contractor shall comply all the new requirements related with safety as informed by the HOD / Safety department from time to time.
  24. Penalty to be imposed for Violation of safety norms is proposed as follows:-

The Contractor & Contract workmen shall strictly adhere to Safety standards / Guidelines as per practices. The list provided below is an indicative list to explain the principles behind safety practice. If the contract workmen fail to comply with safety standards as per category A, B & C below, penalty shall be levied on the Contractor as per the table mentioned below:

Category	Classification	Examples / Cases	Penalty
A	PPEs Related	Working without helmet, shoes, safety belt, gloves etc.	Rs. 100 /- per instant.





Category	Classification	Examples / Cases	Penalty
B	WI Related	Failure to adhere to HSE guidelines/plans, careless attitude in material handling, Machine being used with damaged machine guard, unsafe electrical work - workout plug top/improper electrical joints/cables lying on ground, electrical equipment working without proper earthing, machine being used without machine guard, Welding machine without ELCB / RCCB of proper rating, Gas cylinder without test certificate, Cylinder cap, NRV / Flash back arrester, Cylinder trolley etc.	<ul style="list-style-type: none"> <li>Rs. 500 /- per instant.</li> <li>After three incidence, per incidence Rs. 2500/-</li> <li>Continuous unsafe acts will disqualify the Contractor from further participation in tender of GIPCL-SLPP.</li> </ul>
		Unsafe working practices at height more than 3 meters.	
		Working without permit or non-compliance with permit conditions like hot work, height work etc. as applicable, lifting tools and tackles being used without third party inspection certificates in form no. 9/10 as per Factory Act – 1948 etc.	
C	Unsafe Practices	Breach of safe practices by a particular person repeatedly for three times	<ul style="list-style-type: none"> <li>Suspend the entry gate pass for one week.</li> <li>After two suspensions his gate pass will be cancelled.</li> </ul>

Penalty so levied against the Contractors and company employees will be used during the observation of National Safety Day.

The Contractor, workmen following good safety practices in their work area continuously will be rewarded / honored on National safety day.

### **23. REJECTION OF WORK:**

If, as a result of inspection, examination or testing, the GIPCL's Representative/Engineer decides that any materials, work or workmanship is defective or otherwise not in accordance with the Contract, the GIPCL / Engineer In-charge / GIPCL's Representative may reject such plant, materials, work or workmanship and shall notify the Contractor promptly, stating his reasons. The Contractor shall then promptly make good the defect and ensure that the rejected item complies with the Contract. If Contractor failed to rectify the rejected work or workmanship, GIPCL / Engineer In-charge reserves the right to deduct or withhold amount against rejected work or Workmanship. Contractor shall not entitle for any claim or release of hold payment until rectify the defect up to satisfactory of



GIPCL. If Contractor failed to rectify any such defective work or workmanship, GIPCL reserve the right to rectify at risk and cost of the Contractor and deducted by GIPCL from any amount due, or to become due, to the Contractor's dues.

If the GIPCL / Engineer In-charge / GIPCL's Representative requires such materials, work or workmanship to be retested, the tests shall be repeated under the same terms and conditions. If such rejection and retesting cause the GIPCL additional costs for the traveling and lodging costs of GIPCL/Engineer's personal for attending the retest, such costs shall be recoverable from the Contractor by the GIPCL and may be deducted by the GIPCL from any amount due, or to become due, to the Contractor.

#### **24. GENERAL TERMS AND CONDITIONS:**

- a. All Tools & Tackles, Labour, equipments, vehicles, tractors, etc. to execute the contract are in the scope of the Contractor. The Contractor should ensure that tools & equipments are in healthy condition.
- b. The decision of the Engineer In-charge shall be final and binding on the Contractor for defining the terms and condition included in this contract.
- c. If the work is not found satisfactory, Engineer In-charge reserves the right to take suitable action.
- d. Contractor shall depute Full time independent experienced Site In-charge and adequate Supervisors / Engineers at site. They shall co-ordinate with GIPCL Engineer In-charge and shall bear overall responsibility of contract including supervision. Inspection, Billing etc. Such person shall function from Site office of Contractor at SLPP.
- e. Contractor shall also nominate one Safety Officer at site and shall submit nomination of safety supervisor in writing before commencement of contract.
- f. Safety supervisor shall arrange small safety talk on every day morning or whenever required with all workers working under this contract. He shall coordinate with concern department's Engineer In-charge on daily basis and report daily observations, tool-box talk records etc. The work shall not be allowed without deploying safety supervisor and a penalty equal to Rs. 1,000/- per day absent of safety supervisor shall be levied from Contractor.
- g. Contractor shall strictly follow the existing work permit system of the GIPCL and any future revisions.
- h. The Contractor has to take EC insurance policy for their workmen. The Contractor has to submit labor license and PF account number to the Engineer-in-charge before start the work.
- i. The Contractor has to do the job timely. GIPCL shall not compromise in delay. In case of delay of work without any valid reason, the GIPCL reserves the rights to carry out the work by deploying other agencies at the risk & cost of Contractor with additional 15% overhead charges.
- j. Contractor shall mobilize the resources as per need within the period of four hours. If the Contractor fails to mobilize sufficient resources to complete the job in time, GIPCL will execute the job through other agency at the risk and cost of the Contractor with additional 15% overhead charges.



- k. Contractor should mobilize all resources for efficient & smooth execution of contract within seven days from the date of issue of Letter of Intent / Work Order.
- l. The prices / item rates quoted shall remain firm till completion of the contract and any agreed extensions thereafter and shall not be subject to any escalation (only 5% escalation in the item rate will be considered for second year), idle charges for labour, machinery, overhead expenses etc. due to any reason whatsoever. No price escalation / idle charges shall be entertained due to delay in work on unavailability of work front, non-issue of work permit, holding of work permit for any reason, unavailability of Contractor's supervisor, unavailability of Contractor's safety supervisor, violation of safety rules, unsafe act by any of Contractor's worker, negligence & ignorance of safety & quality instructions of GIPCL Engineer-in-charge or any other reason whatsoever.
- m. Contractor must fulfill all the safety regulations and to take safety measures to avoid hazards. Contractor shall arrange all standard adequate healthy safety PPEs like but not limited to approved quality safety shoes & safety helmets, standard dust masks, safety goggles, etc. as required and shall use exclusively under this contract for all the time during working at specified locations failing which, the Engineer In-charge may hold the work and will take necessary action including penalty as decided. If the Contractor repeatedly violates safety rules/regulations (more than three successive incidents), Engineer In-charge may take necessary action against the Contractor, including appropriate financial penalty (Maximum of Rs. 1,000/- per incident per man-day and as per clause no.12) and/or termination of contract.
- n. One or more jobs may be required to be done simultaneously and Contractor shall mobilize additional resources accordingly.
- o. Timely completion of all jobs and works shall be the essence of this Contract. Contractor should closely monitor each activities and complete the jobs as per the time given by and under the supervision of the Engineer In-charge and shall ensure that sufficient manpower is deployed for the same.
- p. The Contractor has to complete the works as per the planning schedule and their respective supervisor has to interact with Engineer In Charge for PTW (Permit to work), work instruction, Return of permit.
- q. The Contractor has to submit daily reports showing work carried out with details of available manpower, spares etc.
- r. Any job other than the listed jobs in work order shall be executed by the Contractor on instruction from GIPCL and payment shall be made to the Contractor on respective item rate only.
- s. The Government of India has enacted the Micro, Small and Medium Enterprises Development Act, 2006 (the “Act”) and the Act has come into force from October 2, 2006. The Bidder shall confirm whether your organization is registered under the Micro, Small and Medium Enterprises Development Act, 2006. If your organization is registered under the Act, please specify the category i.e., Micro Enterprise, Small Enterprise or Medium Enterprise under which it is registered and kindly attach a copy of your registration certificate.
- t. The Bidder shall provide details of registration along with copy of the registration certificate issued by the District Industries Centre/Department of Industries, etc of



the respective State Government. It is to be noted that large scale industries and trading firms have been excluded from the purview of the Act.

- u. GIPCL is an ISO 9001, ISO 14001, OHSAS 18001 & ISO 50001:2011 (EnMS) certified company, and GIPCL gives extreme importance to maintain these global standards. Contractor shall be required to observe these standards while working with GIPCL. Contractor should ensure that his workmen/labour work in accordance with them.

## **25. CONTRACTOR'S SUPERVISION**

The Contractor shall, during the whole time the work is in progress, employ a qualified experienced Site In-charge of the works with adequate experience in handling of jobs of this nature and with the prior approval of the GIPCL / Engineer In-charge. Such Site In-charge shall be constantly in attendance at the site during working hours. During Contractor's Supervisor Engineer's absence during working hours, if unavoidable, and also beyond working hours, when it may be necessary to give directions, orders may be given by the GIPCL's Engineer In-charge and shall be received and obeyed by the Contractor's superintendent or Foreman who may have charge of the particular part of the work in reference to which orders are given. If requested to do so, the Engineer / GIPCL shall confirm such orders in writing. Any directions, instructions or notices given by the Engineer / GIPCL to him, shall be deemed to have been given to the Contractor. The representative of the Contractor shall have all necessary powers to receive materials from the GIPCL, issue valid receipts for the same, engage labour or purchase materials and proceed with the work as required for speedy execution.

None of the Contractor's Superintendents, Engineers, Supervisors or workmen should be withdrawn from the work without due notice being given to the GIPCL's Engineer In-charge; further no such withdrawals shall be made if in the opinion of the GIPCL's Engineer In-charge such withdrawals will jeopardize the required pace of progress / successful completion of the work.

The Contractor shall employ in or about execution of the work only such persons as area careful, skilled and experienced in their respective trades, and the GIPCL shall be at liberty to object to and require the Contractor to remove any person employed by the Contractor in or about execution of works who in the opinion of the Engineer misconducts himself or is incompetent or negligent in the proper performance of his duties and all such persons shall not again be employed upon the works without the prior permission of the GIPCL.

Neither the Contractor nor the Engineer shall hire or employ any employee of any other party except by mutual consent.



**26. CONTRACTOR TO REMOVE ALL OFFENSIVE MATTER IMMEDIATELY AND CLEAN-UP:**

All loose materials, wastage, packing materials, cut pieces or other matter of an offensive nature shall not be deposited on the surface, but shall at once be carted away by the Contractor to some pit or place provided by him away from the site of work and approved by local authorities.

As a part of the work included in this contract, the Contractor shall completely remove and satisfactorily dispose of all temporary works to the extent directed. He shall tear down and dispose of all temporary works, shall remove or grade, to the extent directed, all plant and equipment, shall satisfactorily dispose off all rubbish resulting from the operations under this contract and shall do all work necessary to restore the territory embraced within the site of his operations to at least as good order and conditions as at the beginning of the work under this contract.

**27. FACILITIES TO BE PROVIDED BY GIPCL**

**A.** The Company shall provide the following facilities to the Contractor at the site:

- a. Electricity & water at nearest available one point. Further distribution to be done by Contractor at their cost.
- b. Quarter(s) for Supervisor / Engineers on chargeable basis in GIPCL's township at discretion of GIPCL if available.
- c. Workshop facility as available at site only. However Contractor may visit the workshop to ensure the existing facility. For the facilities other than available, Contractor has to carry out the job outside at their own cost.
- d. A sub-Store for keeping used Spares shall be provided.
- e. Site office shall be provided at site.
- f. First aid facilities as available on chargeable basis.

Apart from the above, no other facilities shall be provided by GIPCL.

**B.** Items/ Services to be provided by GIPCL free of cost:

- a. Spares
- b. Lubricants
- c. Special Welding Electrodes
- d. Special Consumables, if feel necessary shall be provided.

The Contractor has to collect above items from GIPCL Store/ Warehouse and shifting arrangement has to be made by Contractor at his own cost. Contractor shall give report/ reconciliation of the issue of materials drawn.

**C.** GIPCL shall also conduct an orientation program appraising the workmen regarding the safety norms and measures to be observed during work operations at the plant site.



## **28. WORK MEASUREMENT / CERTIFICATION**

- a. The work to be performed being a specialized nature, the Contractor should be fully conversant with modern practices and should be able to carry out works independently of large thermal power plant. The Contractor shall therefore be required to engage qualified / experienced personnel to undertake the work as per specifications and requirement.
- b. Contractor should maintain one computer with printer for keeping daily records and maintain the data.
- c. The Contractor shall be required to furnish satisfactory job completion report to GIPCL. The submission of report should be on daily basis, the monthly bill payment shall be released based on the certified reports of the works.
- d. Inspection of work will be done by Engineer In-charge or his authorized representative. If the work is not found satisfactory engineer in charge reserves the right to take suitable action and shall be binding to the Contractor.

## **29. PUBLIC HOLIDAYS**

The Contractor shall be responsible for giving benefit to all his employees, employed in whatsoever capacity, Nine (9) Public / Paid holidays and the same shall be notified in advance and due communication thereof shall be made to the Management.

## **30. FORCE MAJEURE**

The performance of the obligations herein contemplated may be suspended without incurring the penalty in the event of the subsistence of Force Majeure conditions.

If a Force Majeure situation arises, the affected Party shall promptly notify the other Party in writing of such conditions and the performance shall be suspended as per mutual agreement.

For the purposes of this clause, ‘Force Majeure’ means an event beyond the control of the Party and not foreseeable by the Party and shall include events of floods, explosions, riots, wars, hurricane, epidemics, any other Act of God, quarantine restrictions, terrorism, government actions and provided always that such acts result in the impossibility of the further performance of the contract.

## **31. INDEMNITY**

The Contractor shall indemnify and keep harmless GIPCL from and against all actions, proceedings, claims, demands, losses, costs, damages and expenses whatsoever which may be brought against or suffered by GIPCL which it may sustain, pay or incur as a result of or in connection with the performance/ purported performance / non-performance of the contract by the Contractor.





In case, in any litigation pertaining to labour employed through Contractor if any direction or order is issued by court at any point of time the Contractor shall comply with and implement such direction or order whether passed at the time of award of contract or during the pendency of contract. Further, the Contractor shall indemnify the GIPCL against all consequences arising and affecting GIPCL owing to the compliance of the orders by the Contractor.

### **32. GOVERNING LAW AND JURISDICTION**

This tender document and contract shall be governed by the laws of India and the Courts at Surat shall have jurisdiction regarding the same.

- 33.** Where any portion of the General Condition of Contract is repugnant to or at variance with any provisions of the Special Condition of Contract, then unless a different intention appears, the provision of the Special Conditions of Contract shall prevail to the extent of such repugnancy of variance.

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## **SECTION - D**

### **SPECIAL CONDITIONS OF CONTRACT**

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

The tentative details of **Ash Handling System** which shall be covered in the Scope of Work for the Handling (Operation) and Maintenance (Mechanical) and Housekeeping are as follows:

##### **A. BED ASH HANDLING SYSTEM**

**Lean Phase Pressure Pneumatic conveying system (Pressurized Air generated through Air Blowers)**

- Bed Ash Conveying Blowers – Total 8 Nos.
- Manually and pneumatically operated valves (various types such as gate valves, knife gate valves, butterfly valves etc.), Pressure relief valves, Expansion joints etc.
- Ash transmitting vessels, Vent (Bag) Filters, Vent Fans, Bed Ash Silos (Total 4 Nos.) along with all equipments mounted on top and on operating floor, etc.
- Dust conditioners at operating floor of Bed Ash Silos.
- Air & Ash Conveying Pipe Lines with all accessories.

##### **B. FLY ASH HANDLING SYSTEM**

**Dense Phase Pressure Pneumatic conveying system (Compressed Air generated through Air Compressors)**

- Transport Air Compressors with all accessories – Total 5 Nos.
- Air Conveying Pipelines with Air filters, Pressure Control valves, Air receivers etc.
- ESP Fluidizing Blowers: Total 6 Nos.
- Silo Fluidizing Blowers: Total 3 Nos.
- Manually and pneumatically operated valves (various types such as gate valves, knife gate valves, butterfly valves etc.), Pressure relief valves, Expansion joints etc.
- Ash transmitting vessels.
- Vent Fans, Vent (Bag) filters, Impingement boxes, Pressure relief valves, All Fly Ash Silos (Total 4 Nos.) along with all equipments mounted on top and on operating floor, etc.

#### **Following Equipments are also to be handled / maintained:**

- Cooling water pumps: 2 Nos.
- Ash Water Pumps: 2 Nos.
- Dust Conditioning Pump(s).
- Seal Water Pump(s).



- Water lines (*in AHS scope*) along with valves.
- Ash unloading spouts (at Ash silos) & other accessories.
- Drain Sump pumps
- Solar service water pump
- Solid Flow meter: 3 Nos.

### C. GENERAL

- MCC / Switchgear rooms at various locations.
- Transformers.
- Main Control Room
- Lighting systems and panels of entire Ash Handling system
- All Safety switches, Motor winding and bearing temperature RTDs, Temperature scanners, different types of Control panels, Electrical transducers, PLCs and remote I/O racks, Mimics etc.
- Control desk, MMI system, Coaxial cables, Field limit switches etc. related to Ash Handling system.
- All HT/LT Motors, HT/LT MCC/Switchgears, Chargers, DCDBs, Rectifiers, LT Bus duct, Receptacles, Local Control stations, Push button stations, Local Control panels, Marshalling Panels, Electrical Control panels for HT/LT Switchgears, Distribution boards, UPS systems, 6.6 KV VCBs, 415 V ACBs, Indication/ Metering panels, Batteries, HT/LT Cables, Glands, Lugs Jointing Kits, NGRs etc.
- EOT Cranes.

### D. HOUSEKEEPING

1. Housekeeping of Ash handling system (SLPP - Phase I & II).
2. Deployment of Un-skilled workmen to main plant Operation for Ash cooler draining and Removal of Back shifting Material.

In view of above, the Housekeeping of Ash handling system as per Sl. No. 1 above is on Item rate basis where as the rest four activities are on Manpower supply basis.

Also, for any Un-foreseen activities to be considered apart from the scheduled Handling, Maintenance and Housekeeping jobs, manpower provision shall be as per the **SECTION – E: Schedule of Quantities** of this Tender document which shall be operated on as and when required basis.

Further, the Items to be executed considering the Broad scope of **Ash Handling System** as described above shall be as per as per the **SECTION – E: Schedule of Quantities** of this Tender document.



➤ **HEAD WISE SCOPE OF WORK:**

- 1. HANDLING (OPERATION)**
- 2. MAINTENANCE**
- 3. HOUSEKEEPING**

**1. HANDLING (OPERATION):**

- A. This Contract shall cover continuous Operation of the plant in **Three (3) shifts** irrespective of Sundays, Holidays and complete Maintenance of the Ash Handling System and Auxiliaries by appointing duly qualified and experienced Engineers, Supervisors, technicians, workmen etc.
- B. Contractor shall be responsible for recording & monitoring of required data, Cleanliness of equipments, Handling (Operation) of the system / equipment in healthy condition as per requirement of Main power generating unit.
- C. The Auxiliaries shall be operated according to the requirement of the system only. Idle running of the system / equipments shall not be practiced or tolerated.
- D. The System shall be operated in healthy conditions maintaining Operational parameters. If any Defects are observed, it shall be rectified immediately.
- E. The Safety of Men & Equipment is of most importance. Issue of Permit to Work (PTW) to Maintenance workmen, shall be strictly in line of direction given by GIPCL's Engineer In-charge
- F. All the Operation log sheets, running hours, History etc. to be maintained on day-to-day basis.
- G. The Operators shall be made available at pre-determined locations as per instructions of Engineer In-charge. If locations are found un-manned at any time, necessary action like *imposing of penalty* (corresponding to “Penalty clause”) etc. shall be taken against the Contractor.
- H. Cleaning and up keeping of all equipments shall be in Contractor's scope.
- I. The Contractor shall deploy adequate number of Qualified and Skilled persons at all locations for effective and efficient execution of the Contractual obligation and to fulfill the terms and conditions of the Contract. The Contractor shall be responsible for overall supervision and control of the work assignment and the manpower deployed for the purpose.
- J. It is a pre-condition that the Contractor and all the workmen deployed by him shall be for total for a Contract period only.



- K. Permit to work (PTW) system is to be followed for carrying out Maintenance job. Maintenance activities are to be carried out by the Contractor as directed by GIPCL's Engineer In-charge.
  - L. The decision of General Manager (SLPP) shall be final and binding on the Contractor for defining the Terms and Conditions included in this Contract.
  - M. Contractor shall have to appoint an experienced and well-conversant Site In-charge for proper administration at the site. The Site In-charge shall have hands-on experience in Handling (Operation) of and Maintenance of similar type of equipment(s) (as per the scope here). He shall co-ordinate with GIPCL's Engineer In-charge & shall bear over all responsibilities of Contract.
  - N. It shall be the responsibility of the Contractor to ensure the smooth Operation of the system considering all safety aspects and ensuring the healthiness of the system. Co-ordination of all the activities in consultation with GIPCL shall be the responsibility of the Contractor.
  - O. The main motto of workmen associated with Handling (Operation) shall be operating the system efficiently, in proper co-ordination with the Main Plant for evacuation of the ESP hoppers, Bed Ash hoppers, Silos etc. & proper pneumatic conveying of Ash. It shall be ensured that the Ash levels in the ESP Hoppers & Silos are maintained to the minimum low at all times.
  - P. It must be ensured that Operators are reaching their respective locations as per their scheduled Shift in time failing to which suitable action will be taken against the Contractor.
  - Q. The standard checks have to be carried out during Operation like safe working parameters, vibration levels, noise levels, bearing temperature etc. To be maintained strictly as per the manufacturer's instructions. Contractor / His representative shall fill the corresponding reports on daily basis.
  - R. The locations & quantity indicated in the **SECTION – E: Schedule of Quantities** are tentative & this can differ during the execution of these items. As such, the locations can be reduced / clubbed / altered, changed, operators can be shifted in maintenance, etc. as per requirement, at any time, as per the decision of GIPCL's Engineer In-charge.
- **Responsibilities of Handling (Operation) personnel deputed for different locations:**
    - **Shift In-charge**

He shall operate the system smoothly as per requirement. Timely allocation of Operators at respective locations, Co-ordination for smooth operation, verification of check-lists, recording of daily operational data in various formats provided by GIPCL etc. are to be done by them.



Further, he shall be responsible for the execution of any job (*which may not be noted here but concerned with his job profile*) as allotted by the GIPCL's Shift In-charge as per the requirement of the system.

- **Location: ESPs / Boiler Area (Fly Ash and Bed Ash evacuation)**

Evacuation of all Hoppers, Identification of defects while the respective system is being operated shall be their prime responsibility. He has to physically ensure that all Hoppers are empty at any moment of time. Other activities like setting the air pressure / volume, draining of air receivers, checking the evacuation of Bed ash transmitting vessels (corresponding to Intermediate Surge hoppers of respective Units), Defect identification in Bed ash conveying system, Opening & closing of gate valves as per requirement, filling of various check list, etc. shall be the responsibility of Operator deputed at this location.

Further, he shall be responsible for the execution of any job (*which may not be noted here but concerned with his allotted location*) by the Contractor's Shift In-charge/ GIPCL's Shift In-charge as per the requirement of the system.

- **Location: Control Room, Pump house, Compressor House, Bed Ash Blower House and Fluidizing Blower rooms**

Regular inspection of all related Equipments like Compressors, Blowers, Pumps, Air receivers, Selection of valves, equipment change-over as per requirement etc. shall be their prime responsibility. He has to record the routine observations in every 4 hours & submit to Shift In-charge in time.

Further, he shall be responsible for the execution of any job (*which may not be noted here but concerned with his allotted location*) by the Contractor's Shift In-charge/ GIPCL's Shift In-charge as per the requirement of the system.

- **Location: Fly Ash and Bed Ash Silos**

Ash loading from Silos to Trucks shall be their prime responsibility. He has to ensure that the spillage is controlled to the minimum low while loading. He has to run all the relevant Equipments installed at the respective Silos & record the data in the format provided by GIPCL in every shift. He has to co-ordinate with the Shift In-charge for any abnormality. He has to record the Silo levels at starting & ending of shift as per instruction of Shift In-charge.

- **Location: MCC**

His location shall be at Control room / Main MCC. He shall take readings of various defined parameters as per the requirement. He shall be responsible for observations/ monitoring of Electrical panels & instruments as per the given formats. He shall check for any abnormal situations arising in the electrical system & inform the same to Shift In-charge. He shall check / monitor the running drives. He shall be responsible for Electrical isolations & Normalization as per the requirement of Permit to Work (PTW) & also as per the instructions given by the Shift In-charge from time to time. He shall provide the power connection for welding machines from the nearest available power





source (*may be through extension*) to welding machines as per the requirement. He shall arrange lighting supply arrangement as and when required as per the instructions of Shift In-charge. He shall take various readings for Current (amperes)/ Voltage etc. and shall assist in the measurement of winding resistance/ megger for drives, cables etc. for faulty drives/ feeders for trouble shooting purpose.

- **Location: AHS Weighbridge**

An Operator shall be deputed at the AHS Weighbridge (nearby Fly Ash Silos – 3, 4) in two (2) shifts per day i.e. Morning Shifts and Evening Shift. One person in each shift, i.e. morning and evening only, shall be deployed for the various activities like forming of the gate passes / sales invoices for the Trucks arriving for the lifting of Fly Ash / Bed Ash. He shall be responsible for all the activities being carried out regarding the Ash sales and its distribution which shall have to be done from AHS Weighbridge. He shall be conversant with the basic use of Computers.

- **Equipment: Road Sweeping Machine**

An Operator shall be deployed for the Operation of Road Sweeping machine (Model: 3D) of vacuum type for day to day cleaning of various Service roads nearby AHS Control Room, AHS Office, ESPs, Boiler area etc. as per the devised schedule of cleaning. The Operator shall be deployed in the General Shift.

In case of the **long term** non-availability of the Road Sweeping machine due to major Maintenance or breakdown, the said Operator shall be deployed by the Contractor for any other activity as per the Scope of work suitability to his corresponding skill category or as directed by the Engineer In-charge.

**Note:** Above jobs are only indicative and may not be required to be done simultaneously on daily basis. Further, any of the Operators above shall be responsible for the execution of any job (*which may not be noted here but concerned with his allotted location*) by the Contractor's Shift In-charge / GIPCL's Shift In-charge as per the requirement of the system.

Contractor shall provide one set of following minimum tools to each MCC operator:

- a. Electrically insulated pliers
- b. Screw drivers
- c. Line tester (500 V)

**Penalty Clause:-**

If any of the above mentioned Shift In-charges / Maintenance Engineers / Operators shall not carry out the work or any location remains vacant in any shift as per the requirement, it shall attract a deduction of Penalty @ 1.25 times the quoted price by Contractor for that respective item (*as listed in the Price Schedule*).



## **2. MAINTENANCE**

- A. The Contractor shall arrange qualified & experienced Manpower for carrying out of Maintenance work. All the work must be supervised by experienced Supervisor(s) to ensure timely completions of work with required quality assurance
- B. For smooth operation of the system, Contractor shall keep minimum Tools and Tackles (tentative list of Tools and Tackles enclosed along with this Tender document as Annexure in SECTION - F) always available in good condition at site.
- C. Contractor shall maintain separate sub-store for Lubricants also. All Oil / Grease containers shall be marked clearly. Separate Cans (5 Liter capacity, 10 Liter capacity etc.) and manual Oil pump to be kept for Oil containers. If any equipment is found damaged as a result of probable mixing of lubricants, cost of repair/ replacement shall be solely borne by the Contractor.
- D. The Contractor shall submit the list of Spares, Lubricants, Fasteners, and Bearings etc. tentatively required for use in the next Fifteen (15) days to GIPCL in advance.
- E. Reconciliation statement of Spares, Lubricants, Fasteners etc. consumed in each month must be submitted to GIPCL by 5<sup>th</sup> of next month strictly along with due verification done by GIPCL's Engineer In-charge.
- F. The Contractor shall strictly adhere to the Preventive Maintenance (PM) schedule provided by the Engineer In-charge. The Preventive Maintenance (PM) of all equipments shall be carried out as per the respective checklist provided by GIPCL and the filled checklist on completion of respective Preventive Maintenance shall be submitted to GIPCL on daily basis.
- G. GIPCL being a continuously operated Process plant, all the Safety rules (as per the various existing laws and any newly incorporated laws from time to time) must be followed by the Contractor. Permit to Work (PTW) system shall be strictly adhered to by the Contractor for carrying out day-to-day Maintenance jobs.
- H. The Maintenance jobs shall be planned and executed in proper co-ordination of Maintenance Supervisors and Operation Shift In-charges and the same shall solely be as per the requirement of the System *and/or* as directed by GIPCL's Engineer In-charge.
- I. The Contractor shall have to submit various Daily reports showing Maintenance work carried out, Spare parts / Consumables etc. replaced, Operational running hours, Overtime hours, status of availability of system/ equipment etc.
- J. Equipment History register is to be maintained as per instructions of GIPCL and shall be submitted on *weekly* basis for review.



- K. If any damage to the system / equipment occurs due to the negligence of the Contractor, He shall bear the entire cost of Repair/ replacement of equipment / machinery, as the case may be, firmly as per the decision taken by the GIPCL's Engineer In-charge.
- L. Breakdown Maintenance: Contractor shall give top most priority to the Breakdown Maintenance in case of any Defect of breakdown caused in any critical equipment or any other Defect which may hamper the smooth operation of the System as directed by the Engineer In-charge. He shall deploy sufficient manpower immediately for putting back the said System/ Equipment back to service.
- M. If the Contractor has used any of the T&P of GIPCL, which initially is in the scope of Contractor, Hire charges shall be imposed on the Contractor in addition to the suitably imposed Penalty. T&P issued to Contractor shall be returned to GIPCL immediately after the completion of the work.
- N. Contractor shall prepare the Job cards against each Permit to Work (PTW) which shall be filled & verified immediately after the completion of work / cancellation of PTW. The payment for each maintenance job executed by the Contractor throughout the Contract period shall be done subject to successful verification of these Job cards by the GIPCL's Engineer In-charge.
- O. Contractor / His Maintenance supervisor shall keep track on the Preventive Maintenance (PM) schedule of all equipments whether they are being executed timely or not.
- P. Contractor or His Site In-charge / Engineers / Supervisors shall supervise / monitor / control any of the maintenance activity, which is being executed under this Contract, being present at that respective location(s), till the completion of the respective activity. Further, the Maintenance Supervisor (*who shall be normally present in General shift*) shall be available at Site till the completion of any Maintenance activity extended after General shift also.
- Q. A Store keeper shall be deployed by the Contractor for maintaining of suitable records of Tools & Tackles, Maintenance spares etc. kept in the sub-store provided to the Contractor by GIPCL.
- R. Inspection of Tool & Tackles: Contract shall arrange for the Inspection of Tools & Tackles to be done *every month* along with the presence of GIPCL's Engineer In-charge.  
The basis for this shall be the minimum quantity of Tools & Tackles to be maintained by the Contractor at all times at site in good condition which are detailed (tentatively) in the SECTION - F enclosed along with this Tender document. The Inspection report of this shall be submitted along with the monthly invoice. If any short fall is noticed in the availability of one or more amongst this Tools and Tackles, the Contractor shall penalized as per the “Penalty clause”.



### **3. HOUSEKEEPING:**

The detailed Scope of Work for ‘Housekeeping’ activities shall be as detailed in the **SECTION – E: Schedule of Quantities** later in this Tender document.

### **4. OTHER TERMS AND CONDITIONS**

- Contractor should mobilize all resources for efficient & smooth execution of Contract within 15 days from the Date of Issue of Letter of Intent / Letter of Award / Work Order.
- Timely completion of all jobs and works shall be the essence of this Contract. The time schedule showing the standard completion time for respective activities/ jobs is enclosed as Annexure in SECTION – F as Defect Liability Period.
- Contractor shall closely monitor each activities such as day-to-day Operation (Handling), Preventive Maintenance, Break-down and Annual Shutdown jobs and complete the jobs as per the time given by and under the supervision of the Engineer In-charge and shall ensure that sufficient manpower is deployed for the same.
- The Contractor has to complete the Preventive Maintenance (PM) as per the planning schedule and their respective supervisor has to interact with Engineer In-charge for PTW (Permit to work), Work instruction, Return of permit and successful trial run. However, planning the preventive maintenance jobs will be done solely at the discretion of GIPCL.
- The decision of the GIPCL’s Engineer In-charge shall be final and binding on the Contractor for defining the terms and conditions included in this Contract.
- The Contractor has to submit Daily reports showing Operation / Maintenance work carried out Spare parts / Consumables etc. replaced. The same shall be attached in the monthly invoices and the payment shall be done after the submission of the same.
- Contractors’ Engineers / Supervisors have to be at their respective locations till completion of each assigned activity on day to day basis by the GIPCL’s Engineer In-charge. Further, the Maintenance Supervisor (*who shall be normally present in General shift*) shall be available at Site till the completion of any Maintenance activity extended after General shift also.
- The Contractor has to do quality job. GIPCL shall not compromise in quality. In case of poor quality of work the Contractor may be asked to rework the job at free of cost.
- If any Equipments or part are found damaged due to negligent/faulty Maintenance, the equipment cost of such damages shall be recovered from the Contractors’ monthly invoices/ Security deposit.
- GIPCL’s Engineer In-charge or His authorized representative may do inspection of work at any time. If the work is not found satisfactory, Engineer In-charge reserves the right to take suitable action.
- One Store keeper and One Time keeper shall be deployed for proper up-keeping of records of Tools & Tackles, Spares etc. and Manpower management. Further, a separate Housekeeping Supervisor shall be deployed at Site who shall be responsible for monitoring day to day Housekeeping jobs.



- Communication equipment like Mobile phones shall be provided to all responsible persons like Site In-charge, Operation Shift In-charges, Maintenance Supervisors, Housekeeping Supervisor, Time Keeper, Store keeper etc. for day to day communication regarding Official work. Also the tentative monthly bill amount for the provided mobiles shall be taken into account by the Contractor and provided to their above mentioned employees.
- A Motorbike shall be provided by the Contractor and provided to the Site In-charge for day to day Official work. The Petrol allowance for the said Motorbike shall be reimbursed to the Site In-charge on monthly basis. This Motorbike may be used by the Site In-charge or it may be provided for Official use to any of the Shift In-charges, Maintenance Supervisors, Store keeper, Time keeper, Housekeeping Supervisor etc. or any other administrative staff deputed at Site. This shall be at the sole discretion of the Site In-charge, if any requirement arises for any Official work which may require its use.
- The Government of India has enacted the Micro, Small and Medium Enterprises Development Act, 2006 (the “Act”) and the Act has come into force from October 2, 2006. The Bidder shall confirm whether your organization is registered under the Micro, Small and Medium Enterprises Development Act, 2006. If your organization is registered under the Act, please specify the category i.e., Micro Enterprise, Small Enterprise or Medium Enterprise under which it is registered and kindly attach a copy of your registration certificate.
- The Bidders shall provide details of registration along with copy of the registration certificate issued by the District Industries Centre/Department of Industries, etc of the respective State Government. It is to be noted that large scale industries and trading firms have been excluded from the purview of the Act.
- GIPCL is an ISO: 9001, ISO: 14001, OHSAS: 18001 & ISO: 50001:2011 (EnMS) certified company, and GIPCL gives extreme importance to maintain these global standards. Contractor shall be required to observe these standards while working with GIPCL. Contractor should ensure that his workmen work in accordance with them.
- In case of failure to adhere to the time schedule by the Contractor, penalty will be levied at the discretion of Engineer In-charge considering extent of delay in particular job.

**Manpower for Un-foreseen Activities:** For Un-quantifiable / Un-foreseen jobs not clearly specified in this Scope of Work / Detailed Scope of Work, the Contractor shall supply manpower of various categories as per the decision of Engineer In-Charge for which the payment shall be made at the quoted rates and accepted by GIPCL. Hence the Contractor is requested to quote these rates of various categories of Manpower as mentioned in the SECTION – E: Schedule of Quantities.

- Price and rates quoted shall include cost of all consumables (except free issue materials by GIPCL), labour, supervision, tools and tackles, transport, taxes, octroi, local taxes and levies if any etc. Price and rates quoted shall also include such other cost which is not specifically mentioned herein but will be incurred by the Contractor for the satisfactory and timely completion of the work.



- If at any time, it is found that the manpower deployed by the Contractor is not sufficient and Contractor is not in a position to deploy adequate manpower to complete the assigned (planned) work due to any reason, GIPCL shall have the option to deploy the workman or make alternative arrangement and the cost incurred will be deducted from the Contractor's RA bills as per the expenditure of GIPCL, which may be higher than the rates quoted by the Contractor. Moreover, in such cases GIPCL may also imposed penalty for non-deployment of adequate manpower. Even if the assigned job is not done through other agencies, but have suffered due to unavailability of Contractor's manpower, GIPCL may impose penalty.
- Penalty for non-availability of tools & tackles, less manpower, less preventive maintenance works, non performance of the assigned work, etc. shall be as per common penalty clause in the contract.

#### **4.1 FAILURE DURING EMERGENCY**

During any emergencies, Contractor shall have to carry out the work by deploying additional manpower within four (4) hours of intimation, failing to which GIPCL reserves the right to carry out this work by engaging other party. The expenditure occurred due to such situations, the Contractor will be held responsible & the same will be recovered from the Contractor's monthly bill / any other pending bills along with 15% overhead charges. For repetitive failure of such work for more than two incidents, GIPCL reserve the right to terminate the entire contract by forfeiting all pending dues, Security Deposit, if any, after giving 15 days notice to the Contractor & this will be binding to the Contractor.

#### **4.2 TO REMEDY DEFECTIVE WORK**

If the work or any portion thereof shall be damaged in any way excepting by the acts of the GIPCL, or if defects not readily detected by proper inspection shall develop before the final completion and acceptance of the whole work, the Contractor shall forthwith make good, without compensation, such damage or defects in a manner satisfactory to the Engineer In-charge / GIPCL. In no case shall defective or imperfect work be retained even if Contractor followed all technical specifications. GIPCL will not compromise for quality of materials, works & workmanship.

The Contractor shall remain liable under the provisions of this clause notwithstanding the passing by the GIPCL of any certificate, final or otherwise or the passing of any accounts.

#### **4.3 PRICE & RATES**

The rates quoted by the Bidder in the online Price Bid shall be inclusive of cost of all labour, supervision, cost of safety supervisor, shifting, transportation, loading, unloading, equipment, all tools & tackles, safety equipments & PPEs, Royalties, Rents, Excise duty, Sales Tax, Stamp Duties, Central or State Government or Local body or Municipal Taxes or Duties, Turn over Tax, Work Contract Tax, VAT, Octroi duty and / or any other duty / tax (excluding Service Tax), levied by the Central, State Government or other Public bodies etc. and such other costs that are not specifically mentioned herein but will be





incurred by the Contractor for the satisfactory and timely completion of the work. The quoted rates shall be deemed to include for everything mentioned in the specification, all leads & lifts, Contractor's overheads & profits for due performance of the work under this contract and such other costs that are not specifically mentioned herein but will be incurred by the Contractor for the satisfactory and timely completion of the work. The rates shall also include cost for mobilization / demobilization of manpower, equipments, materials, etc.

The quoted rates by the Contractor shall be firm for the 1<sup>st</sup> year of the Contract period and Escalation of 5% on these rates shall be offered to the Contractor for the 2<sup>nd</sup> year of Contract period. In case of Escalation of Daily Minimum Wages of workmen as notified by Government from time to time, the Escalation provided to the Contractor shall be as per Clause No. 17 of General Conditions of Contract as per this Tender Document. Apart from this no any escalation shall be paid to Contractor subject to any escalation in prices, idle charges for labour, machinery, overhead expenses etc. No price escalation / idle charges shall be due to any reason whatsoever. No price escalation / idle charges shall be payable due to delay in work by Contractor or due to non-availability of work front by GIPCL or any reason whatsoever.

The price/rate quoted by Contractor shall be considering mobilization of all required manpower, tools & tackles, materials, equipment for timely and satisfactory completion of all Scope of work.

The value and/or quantum of work may be increased or decreased depending upon day to day requirement. However, item rates remains unchanged and the payment shall be made as per the actual quantity executed as informed & certified by GIPCL representatives.

#### **4.4 TERMS OF PAYMENT**

##### **A. Conditions of Payment:**

The Contractor shall raise the running invoices in duplicate every month in respect of the work performed or completed during the month along with the documents as hereinafter provided. On receipt of the invoice complete in all respects and with all the said documents, the payment in respect of the same shall be made within 21 days of such receipt of a complete invoice as per the following terms of payment:

- (i) 100% of monthly RA bill along with 100% taxes shall be released against the work executed duly certified by GIPCL Income Tax (IT) will be deducted at source from monthly RA bills as per the rules in force.
- (ii) Security deposit at 5% of Total Contract value shall be submitted as per Clause no.: 1 of Section-C. Security deposit money will be returned to the Contractor without any interest after retention period of three months from actual contract completion date as certified by Engineer-in-charge as per Clause no.: 1 of Section-C.
- (iii) Service tax shall be paid along with bills after fulfillment of following terms:



- (a) Submission of copy of registration certificate issued by Service Tax Authority (to be furnished only once).
- (b) Citing the service Tax Registration no. And the date of Issue of Registration certificate on invoices.
- (c) Claim of Service Tax amount with percentage (%) separately shown on the invoices.
- (d) The Contractor shall be required to submit the proof of payment of service tax of previous month/quarter, as may be applicable as & when demanded by GIPCL/Owner/company.
- (e) The Bidder shall inform the Owner in the event of its registration certificate is cancelled or discontinued for whatsoever reason.
  
- (iv) At the time of submission of the first monthly RA Bill, the Contractor shall submit a certificate from Engineer In-charge regarding availability of tools & tackles, equipments, vehicles etc at site. The Contractor shall also furnish the checklist as per Annexure in Section - F enclosed with the Section-F of tender document along with the RA Bill of respective month.
- (v) The Contractor along with monthly RA Bill shall submit copy of P.F. Challan, Xerox copies of wages register of previous month, Xerox copies of attendance sheet of respective month & copy of ECR statement indicating the employee and employer's P.F contribution of previous month with respect of employees employed by him for the contract at GIPCL site.
- (vi) The Contractor shall submit his Final Bill within a period of three months of the expiration or earlier termination of the contract or any extensions that may be granted by GIPCL to the Contractor. GIPCL shall not entertain any bill for any work item after expiration of period of three months.
- (vii) The Contractor shall include all his claims in the Final Bill submitted by him and accordingly the final bill submitted by the Contractor shall be deemed to be inclusive of all and whatsoever the claims that the Contractor may have from GIPCL. The Contractor shall not be entitled to claim any amounts which are not mentioned in the Final Bill and the Contractor shall be deemed to have waived any claims not mentioned in the Final Bill and shall not be entitled to recover the same from GIPCL subsequent to the submission of the Final Bill on any account and GIPCL shall stand absolved of all its liabilities in respect of any such claims not raised by the Contractor in his Final Bill.

#### **B. Validity and Uniformity of Rates**

The rates shall be valid for a period of two years of the Contract Period and shall remain unaltered during the first year of the Contract Period and 5% escalation will be considered for second year.



#### **4.5 SUBMISSION OF TECHNICAL DOCUMENTS TO THE ENGINEER IN-CHARGE:**

Contractor shall submit following documents to the Engineer In-charge for verification purpose of the invoice:

- **Measurement sheets along with joint record of work done in the form of joint inspection report** duly signed by authorized representative of Contractor and GIPCL Engineer.

The Invoice will not be entertained without submission of above documents.

#### **4.6 SUBMISSION OF STATUTORY COMPLIANCES WITH EACH BILL**

Contractor shall submit each RA bill of work carried out along with following documents:

- (i) Copy of statutory compliance like labour license, wages payment register, EC Policy, PF paid Challan with ECR, etc. along wage certificate pertaining to respective bill period.
- (ii) Notarized Indemnity Bond as per Performa, in case of Final bill.
- (iii) No claim - No arbitration certificate as per Performa, after release final bill payment.

Bill submitted without any of the above documents shall not be processed for payment.

#### **4.7 BREAKDOWN OF THE PLANT**

In the event of breakdown of the plant leading to a likely Shut down of the plant for more than one month, the following shall be applicable:

- a. GIPCL shall give a Fifteen (15) days notice to the Contractor intimating him about the breakdown of the plant and the estimated time of its Shut down with a direction for demobilization of the contractor's staff from the GIPCL plant site.
- b. Full payment shall be made for a period of first month and a pro-rata payment to the extent of de-mobilization staff should be made thereafter.
- c. During the period of One (1) month when the plant will be rendered idle, GIPCL shall have right to utilize Contractor's services in any other manner as deemed fit by GIPCL.
- d. Contractor shall not be eligible for any compensation for de-mobilization and re-mobilization.
- e. A 15 days' notice intimating the re-commencement of the plant will be given to the Contractor for re-mobilization of his staff and resources.



#### **4.8 DEFECT LIABILITY PERIOD**

The Contractor shall stand guarantee for any defect found in the works done within a period of 3 months from the date of work and shall re-do or repair the same free of cost.

Defect liability period for respective job has been detailed in Annexure in SECTION - F. All defects occurring in attended job during defect liability period must be rectified by the Contractor free of cost.

#### **4.9 MOBILIZATION AND EXECUTION**

- a. Contractor shall mobilize the resources at site within 4 hours from the time the intimation given by GIPCL.
- b. Contractor shall provide required separate & independent site supervisors who will be responsible for supervision and execution of job in specified time with respect to quality, specifications, site preparations, safety, co ordination with GIPCL, issue of work permits, joint measurements, etc... The supervisors shall coordinate with the Engineer In-charge of GIPCL for proper execution of the job.
- c. The resources required for execution of above jobs will vary from time to time, hence Contractor shall mobilize the resources accordingly.

#### **4.10 QUANTITY OF WORK**

The estimated quantities of work required to be carried out by the Contractor are as given in the SECTION - E (Schedule of Quantities). Estimated and shall vary according to the exigencies of work at site. However, the rates quoted by Bidder shall remain firm irrespective of any variation in estimated quantities. Contractors shall engage required nos. of workmen along with required tools & tackles as per work load and emergency situations throughout the contract period to perform his contractual duties.

In case, contract quantity / amount exhausted before completion of contract period, GIPCL reserve the rights to increase the quantities or contract amount for successful completion of entire contract period. Contractor shall responsible to complete the particular job up to entire satisfaction of Engineer In-charge. The item rates remain firm & unchanged till completion of the contract and any agreed extensions thereafter and shall not be subject to any escalation, idle charges for labour, machinery, overhead expenses etc. for any reason whatsoever. The quantum of work of individual item may be up to any extent depending upon requirement. However, item rate remains unchanged. Under this contract, Contractor has to execute all work as per the Plant requirement.

#### **4.11 GENERAL CONDITIONS OF CONTRACT**

**General Conditions of Contract (Section-C)** and detail specification prepared by the company will be applicable for this contract. The same is enclosed herewith. Bidders are advised to go through the same.

Tender Document for “Surat Lignite Power Plant – 4x125 MW, Unit: 1 to 4: Bi-Annual Rate Contract (BRC) for Handling, Mechanical Maintenance and Housekeeping of Ash Handling System, Contract Period: 2017-19”. Tender Ref. No.: SLPP/AHS/H&M-HK/2017-19.



Where any portion of the General Conditions of Contract is repugnant to or at variance with any provisions of the Special Conditions of Contract, then unless a different intention appears, the provision of the Special Conditions of Contract shall prevail to the extent of such repugnancy of variance.

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SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
<b>HANDLING (OPERATION) OF AHS</b>						
1	Shift In-charges for Operation	as detailed in the Section - D above	No.	2190	723	1,583,370
2	Mechanical Maintenance Supervisors	as detailed in the Section - D above	No.	730	723	527,790
3	Handling Personnel (Field Operators - Mechanical) (for various designated locations as per the Scope of Work)	as detailed in the Section - D above	No.	8030	549	4,408,470
4	Handling Personnel (MCC Operators)	as detailed in the Section - D above	No.	2190	549	1,202,310
5	Handling Personnel (Wieghbridge Operators)	as detailed in the Section - D above	No.	1460	549	801,540
6	Handling Personnel (Road Sweeping Machine Operator)	as detailed in the Section - D above	No.	626	549	343,674
<b>PREVENTIVE MAINTENANCE IN AHS</b>						
<b>A Bed Ash Conveying Blowers</b>						
1	2W PM of Bed Ash Conveying Blower	Clean the Equipment by Diesel,Clean the Suction Filter element with the help of dry compressed air, Check Oil Level,top-up oil up to required level if required,Check Belt Tightness and condition,adjust/replace if required, Check Foundation Bolts Tightness,tighten if required.	No.	192	397	76,224
2	4W PM of Bed Ash Conveying Blower	Clean the Equipment by Diesel,Clean the Suction Filter element with the help of dry compressed air, Check Oil Level,top-up/Replace oil up to required level if required,Check Belt Tightness and condition,replace if required, Check Foundation Bolts Tightness,tighten if required, Bearing Greasing , Check NRV - Repair/Replace if required, Check Alignment of drive/Re-alignment is to be done if Required.	No.	160	795	127,200
3	24W PM of Bed Ash Conveying Blower	Clean the Equipment by Diesel,Clean the Suction Filter element with the help of dry compressed air, Check Oil Level,top-up/Replace oil up to required level if required,Check Belt Tightness and condition,replace if required, Check Foundation Bolts Tightness,tighten if required, Bearing Greasing , Check NRV - Repair/Replace if required, Check Alignment of drive/Re-alignment is to be done if Required,Inspect Gears,Check Bearing Clearance/Replace if Required, Check Internal clearances/Re-set if required.	No.	16	7,151	114,416
4	48W PM of Bed Ash Conveying Blower	Clean the Equipment by Diesel,Clean the Suction Filter element with the help of dry compressed air, Check Oil Level,top-up/Replace oil up to required level if required,Check Belt Tightness and condition,replace if required, Check Foundation Bolts Tightness,tighten if required, Bearing Greasing , Check NRV - Repair/Replace if required, Check Alignment of drive/Re-alignment is to be done if Required,Inspect Gears,Check Bearing Clearance/Replace if Required, Check Internal clearances/Re-set if required., Dismantling of Bearings, Lobes, Replace if Required, Replace Vibration Pads if Required.	No.	16	12,713	203,408
<b>B Bed Ash Conveying Lines</b>						
1	PM of Bed Ash Conveying Line	Inspect Disc,Seat & shaft of Top feeder valves-02 no, Bottom Feeder Valves-02 no, Purging valves-02 no, Vent valves-02 no, Replace- if required,Clean Silo selection valves,Attend leakage If Any,Check/Tighten clamps if required,Inspect Conveying Butterfly valve & Repair if required.	No.	64	787	50,368
<b>C Bag Filters on Silos</b>						
1	48W PM of Bag Filter	Remove Top cover, Remove all venturies and all bags, Clean all bags, Replace damaged bags/Cages if required,Refit, Normalize,Clean Pressure vacuum Relief valve, Adjust if required, Check Pulse jetting lines,Valves and Pulsing for any abnormality etc.	No.	20	10,618	212,360



SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
<b>D Transport Air Compressors</b>						
1	2W PM of Reciprocating Air Compressor	Clean the Equipment By Diesel,Clean suction filter element with the help of dry compressed air,check oil level,top-up oil up to required level if required,Clean drain valves, Check/Tighten Foundation Bolts if required.	No.	96	397	38,112
2	8W PM of Reciprocating Air Compressor	Clean the Equipment By Diesel,Clean suction filter element with the help of dry compressed air,check oil level,top-up oil up to required level if required,Service/Repair/Replace of HP and LP Suction and discharge,Clean drain valves, Check/Tighten Foundation Bolts if required,Clean Water Jacket etc.	No.	32	4,767	152,544
3	24W PM of Reciprocating Air Compressor	Clean the Equipment By Diesel,Clean suction filter element with the help of dry compressed air,check oil level,top-up oil up to required level if required,Service/Repair/Replace of HP and LP Suction and discharge,Clean drain valves, Check/Tighten Foundation Bolts if required,Clean Water Jacket, Remove HP & LP pistons, Replace Piston rings & Wear rings if required, Clean Cylinder Liners, Set Clearance of Cylinders, Replace Radial & Axial glands, Remove Top cover, Flush Bearing Oil lines,Check Float of crankshaft, Check Condition of Main Bearings- Replace if required, Greasing of Main Plummer Block Bearing, Inspect C-rod bearings, Cross head shoe assy-Replace if required, Inspect Intercooler & After cooler for leakage, Check quality of oil, replace if required.	No.	8	25,483	203,864
4	48W PM of Reciprocating Air Compressor	Clean the Equipment By Diesel,Clean suction filter element with the help of dry compressed air,check oil level,top-up oil up to required level if required,Service/Repair/Replace of HP and LP Suction and discharge,Clean drain valves, Check/Tighten Foundation Bolts if required,Clean Water Jacket, Remove HP & LP pistons, Replace Piston rings & Wear rings if required, Clean Cylinder Liners, Set Clearance of Cylinders, Replace Radial & Axial glands, Remove Top cover, Flush Bearing Oil lines,Check Float of crankshaft, Check Condition of Main Bearings- Replace if required, Greasing of Main Plummer Block Bearing, Inspect C-rod bearings, Cross head shoe assy-Replace if required, Inspect Intercooler & After cooler for leakage,inspect oil cooler, Check quality of oil, replace if required.	No.	8	39,286	314,288
5	PM of Screw Compressor on Month Basis	Clean the Equipment by diesel,Check Oil Level/Top up up to required level if required,Arrest Leakage in Oil/Air line if any, Clean Suction Filter Element by dry compressed air,Check foundation bolts/Tighten if required.	No.	8	596	4,768
6	PM of Screw Compressor on Hours Basis	Assistance to OEM's service Engineers for maintenance activities, execution of jobs as per the instructions of service engineer etc.	No.	4	3,178	12,712
<b>E Fly Ash Conveying Lines</b>						
1	PM of Fly Ash Conveying Line	Check Disc, Seat Of Ash Intake Valves Of Corresponding Line, Check vent valveS & Discharge Valves if required,Check Clamps /Tighten if required,Attend leakages If Any, Replace Gasket of Ash Intake Valves & Manual Isolation Valve If Required etc.	No.	320	1,968	629,760
<b>F Air Receiver / Dryer</b>						
1	4W PM of Air dryer	Clean the equipment by air,Remove/Replace Drain valve/line choke etc, Clean Strainer, ckeck Oil Level,arrest leakages if any etc.	No.	12	394	4,728
2	Air Receiver	Open the mainhole door, Internal Inspection & Clean by wire brush,Paint if required,Drain valve/line choke-up removal/Replacement,Ckeck Air Filter element At Pressure Regulator, Clean/Replace/service as per requirement.service safety valve etc.	No.	12	3,142	37,704
3	DPR Receiver & filter	Obtain Permit To Work(PTW) of Equipment By the Engineer-in-charge, Internal Inspection & CleaningDrain valve/line choke removal/Replacement,Air Filter At Pressure Regulator Cleaning/Replacement/servicing as per requirement.	No.	4	4,189	16,756

SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
<b>G ESP &amp; Silo Fluidizing Blowers</b>						
1	ESP/Silo Flu. Blower - 2W PM	Clean the Equipment by Diesel,Clean the Suction Filter element with the help of dry compressed air, Check Oil Level,top-up oil up to required level if required,Check Belt Tightness and condition,adjust/replace if required, Check Foundation Bolts Tightness,tighten if required.	No.	216	397	85,752
2	ESP/Silo Flu. Blower - 4W PM	Clean the Equipment by Diesel,Clean the Suction Filter element with the help of dry compressed air, Check Oil Level,top-up/Replace oil up to required level if required,Check Belt Tightness and condition,replace if required, Check Foundation Bolts Tightness,tighten if required, Bearing Greasing , Check NRV - Repair/Replace if required, Check Alignment of drive/Re-alignment is to be done if Required.	No.	180	795	143,100
3	ESP/Silo Flu. Blower - 24W PM	Clean the Equipment by Diesel,Clean the Suction Filter element with the help of dry compressed air, Check Oil Level,top-up/Replace oil up to required level if required,Check Belt Tightness and condition,replace if required, Check Foundation Bolts Tightness,tighten if required, Bearing Greasing , Check NRV - Repair/Replace if required, Check Alignment of drive/Re-alignment is to be done if Required,Inspect Gears,Check Bearing Clearance/Replace if Required, Check Internal clearances/Re-set if required	No.	18	5,562	100,116
4	ESP/Silo Flu. Blower - 48W PM	Clean the Equipment by Diesel,Clean the Suction Filter element with the help of dry compressed air, Check Oil Level,top-up/Replace oil up to required level if required,Check Belt Tightness and condition,replace if required, Check Foundation Bolts Tightness,tighten if required, Bearing Greasing , Check NRV - Repair/Replace if required, Check Alignment of drive/Re-alignment is to be done if Required,Inspect Gears,Check Bearing Clearance/Replace if Required, Check Internal clearances/Re-set if required., Dismantling of Bearings, Lobes, Replace if Required, Replace Vibration Pads if Required	No.	18	9,556	172,008
<b>H Fluidizing Air Lines</b>						
1	ESP Fluidizing air Lines & along with Fluidizing Pad assembly - 48W PM	De couple the fluidising lines from fluidising pads,Dismantle the fluidising pads,Flush of all lines by hot blower air, Remove chock up if any,Attend leakage if any, Replace hose/fittings if found damaged, Replace/clean flu. cloth/Pad,Replace Flu.box gasket if required,re-fixing of fluidising pads and line etc.	No.	8	45,664	365,312
2	Fluidizing air Lines of Fly Ash Silo & along with Fluidizing Pad assembly - 48W PM	De couple the fluidising lines from fluidising pads,Dismantle the fluidising pads,Flush of all lines by hot blower air, Remove chock up if any,Attend leakage if any, Replace hose/fittings if found damaged, Replace/clean flu. cloth/Pad,Replace Flu.box gasket if required,re-fixing of fluidising pads and line etc.	No.	8	14,663	117,304
<b>I Rotary Vane Feeders</b>						
1	Rotary Vane Feeder - 4W	Clean Equipment,Remove chock up if required, Attend leakage if any, including KGVs,Check condition of blade tips Replace if required, Bearing greasing, Oil Level & check oil condition, Replace if required, Check coupling condition, Replace if required.	No.	8	394	3,152
2	Rotary Vane Feeder - 48W	Clean Equipment,Remove chock up if required, Attend leakage if any, including KGVs,Check condition of blade tips Replace if required, Bearing greasing, Oil Level & check oil condition, Replace if required, Check coupling condition, Replace if required.,Dismantle feeder, Check clearance of blade tips, Change/Set if required.	No.	8	1,181	9,448
<b>J Dust Conditioners</b>						
1	Dust conditioner - 2W	Clean the paddles,Clean the Nozzles, Check Oil level & condition, Replace if required, Tighten Support,attend leakages if any etc.	No.	132	787	103,884
2	Dust conditioner - 4W	Clean the paddles,Clean the Nozzles, Check Oil level & condition, Replace if required, Tighten Support,Grease the bearings,attend leakages if any etc.	No.	132	787	103,884

SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
3	Dust conditioners - 48W	Clean the paddles,Clean the Nozzles, Check Oil level & condition, Replace if required, Tighten Support,Grease the bearings,attend leakages if any etc. ,Alignment checking, Bearing inspection & Clearance checking, Replace if required.	No.	12	9,621	115,452
<b>K Water Pump's (Horizontal &amp; Vertical)</b>						
1	Water pump ( Seal Water pump / Sump pump)- 4W	Clean the Equipment,Attend Gland leakage if any, Attend leakage if any other, Valve spindle greasing, Check NRV Repair if required, Tighten Foundation bolts, Clean Strainer etc.	No.	28	590	16,520
2	Water pump( Seal Water pump / Sump pump )- 24W	Clean the Equipment,Attend Gland leakage if any, Attend leakage if any other, Valve spindle greasing, Check NRV Repair if required, Tighten Foundation bolts, Clean Straine,Check Alignment,inspect impeller & Replace if Required.	No.	2	1,589	3,178
3	Water pump (Seal Water pump / Sump pump )- 48W	Clean the Equipment,Attend Gland leakage if any, Attend leakage if any other, Valve spindle greasing, Check NRV Repair if required, Tighten Foundation bolts, Clean Straine,Check Alignment,inspect impeller & Replace if Required,Check bearings,Shaft with sleeves Inspection, Replace spares if required.	No.	10	10,618	106,180
<b>L Silo Equipments</b>						
1	4W PM of Vent Fan on Fly Ash Silo top	Clean equipment,Internal and impeller Cleaning, Impeller Inspection if required, check Belt Tightness/Replacement if required,Check Foundation Bolts Tighten if required,check expansion bellows etc.	No.	92	596	54,832
2	48W PM of Vent Fan on Fly Ash Silo top	Clean equipment,Internal and impeller Cleaning, Impeller Inspection if required, check Belt Tightness/Replacement if required,Check Foundation Bolts Tighten if required,check expansion bellows,check internal clearance /Adjust if required,Inspect Impeller etc.	No.	4	4,767	19,068
3	4W PM of Orifice Feeder & Fluidizing lines at Fly Ash Silos	Clean the Equipments,check valve seats, gate & flu. Line. Attend leakages if any, Other activities as per requirement.	No.	44	787	34,628
4	PM of Solid Flow meter	Clean the equipment, Adjustment any internal part if required, attend leakages if any,check the flow from silo etc.	No.	24	590	14,160
<b>BREAKDOWN MAINTENANCE IN AHS</b>						
<b>M Bed Ash Conveying Blowers (Make:Kay international,Model:1422 AC)</b>						
1	Replacement of V-Belt ( 1 Set= 7 Belt)	Drive Belt's Guard removing, Receiving of Spare from warehouse and shifting to the work site, Old Belts replacement by New set of V-Belts, alignment of drive motor with blower,Refixing of Guard, Etc.	Set	8	795	6,360
2	Replacement of Blower/Motor Pulley	Remove Drive Belt's Guard, Removing of V-Belts, Receiving of Spare from warehouse and shifting to the work site, Replace old pulley by new one, Refixing of V-Belts set,alignment of drive motor with blower, Refixing of Guard etc.	No.	4	1,192	4,768
3	Replacement of bearings	Remove Drive Belt's Guard, Remove Drive belts,Take-out drive pulley/Timing gears, opening of Bearing covers,Drain lubricants(Grease/Oil), Receiving of Spare from warehouse and shifting to the work site, replacement of old Bearings with new Bearings, Setting of Lobes and internal clearances,Bearing greasing and lubricating oil filling,re-fixing of beaing covers,Mounting of pulley,Refixing of V-Belts set,Alignment of Drive motor with blower, Refixing of Guard,trial run etc.	Set	4	9,534	38,136

SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
4	Overhauling of Bed Ash Blower	Clean the Equipment by Diesel,Clean the Suction Filter element with the help of dry compressed air, Check Oil Level,top-up/Replace oil up to required level if required,Check Belt Tightness and condition,replace if required, Check Foundation Bolts Tightness,tighten if required, Bearing Greasing , Check NRV - Repair/Replace if required, Check Alignment of drive/Re-alignment is to be done if Required,Inspect Gears,Check Bearing Clearance/Replace if Required, Check Internal clearances/Re-set if required., Dismantling of Bearings, Lobes, Replace if Required, Replace Vibration Pads if Required	Set	4	11,124	44,496
5	Replacement of vibration pads	Loose clamps of Suction Pipe,De-couple the discharge Pipe, Loose the foundation Bolts, Receiving of Spare from warehouse and shifting to the work site, Replace the Old/Damaged vibration pads by New Vibration Pads. Tighten the foundation bolts,clamps and Coupling of Discharge pipe etc.	Set	4	1,203	4,812
6	Inspection of Blower for any abnormal noise	Dismantling of Suction Pipe and Drive-Guard, Internal clearance checking,Setting if Required,Refixing of Suction pipe and Guard,trial run etc.	No.	4	3,207	12,828
<b>N Bed Ash Conveying Lines</b>						
1	Replacement / Repair of Disc / Seat or Disc ( Top / Bottom feeder Valve)	Open the inspection door,Inspection of seat or disc, Receiving of Spare from warehouse and shifting to the work site, Repair/Replace if Required, Check the door gasket replace is required,Refixing of Door etc	No.	16	590	9,440
2	Removal of chocking of Transmitter Vessel / Adapter	Open the inspection door/Vessel Dummy,Inspection of vessel, Remove chock-up,Refix the door/dummy etc.	No.	32	394	12,608
3	Replacement of Coupling Gasket	Cleaning,dismantling and inspection of coupling set, Receiving of Spare from warehouse and shifting to the work site, Replace the Gasket,Re-fix the coupling, shift the old/damaged gasket to scrap bin etc.	No.	300	394	118,200
4	Choke up Removal of Pipeline	Open the inspection door/Vessel Dummy/Pipe couplings if required,ask the operation department for line flushing,Hammering if required, Remove chock-up,Refix the door/dummy and coupling. get the confirmation from operation department for performance of line etc.	No.	60	590	35,400
5	Complete Overhauling of Top/Bottom Feeder Valve	Remove the valve assembly from place of installation, Receiving of Spare from warehouse and shifting to the work site, Repair/Replace,seat,disc,shaft,bearing,seal,door gasket etc, if Required, Re-install the valve,re-fix the door etc.	No.	8	2,384	19,072
6	Replacement of Top / Bottom feeder valve's Bush / Gland / Bearing / Bearing housing / Gasket of Inspection Door	Open the inspection door, Receiving of Spare from warehouse and shifting to the work site, Repair/Replace,seat,disc,shaft,bearing,seal,door gasket etc, if Required, re-fix the door etc.	No.	80	394	31,520
7	Top / Bottom feeder valve replacement	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged valve along with inlet and outlet couplings and replacement by new valve assembly, Shifting of old valve assembly to scrap yard/Store as per the instruction of E-I/C.	No.	8	3,178	25,424
8	Replacement of Coupling set (upto 350 NB Pipe)	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged coupling set along with gasket, replacement by new coupling assembly, Shifting of old assembly to scrap yard/Store as per the instruction of E-I/C	Set	8	1,575	12,600
<b>O Bag Filter on Silos</b>						
1	Replacement of Damaged Filter Bags	Receiving of Spare from warehouse and shifting to the work site, Removing of Top cover (compartment wise )as per the instruction of Engineer-in-charge,removing of Purging lines,Removing of Bags,Inspection of Bags,Replacement of damaged bags/cage, refixing of Purging line and top cover, Shifting of old assembly to scrap yard/Store as per the instruction of Engineer In-Charge	No.	12	1,575	18,900
2	Leakage arresting of Impingement box	Receiving of Spare from warehouse and shifting to the work site, Removing of liner assembly if required,Replacement of Gasket, re-fixing of liner assembly Etc.	No.	6	787	4,722
3	Inspection of purging system of Bag filter	Inspection of operation of Pulsing valve by visiting at site,Prepare inspection report etc.	No.	4	264	1,056

SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
4	Arresting of leakage of purging pipe/manifold	Receiving of Spare from warehouse and shifting to the work site, Removing of Top cover (compartment wise )as per the instruction of E-I/C, Inspection of Purging lines, Repair/Replacement of damaged purging lines, refixing of Purging line and top cover, Shifting of old assembly to scrap yard/Store as per the instruction of E-I/C.	No.	12	2,362	28,344
<b>P Transport Air Compressors (Make:Kirloskar Pneumatic Co. Ltd,Model:T-BTD-R2M)</b>						
1	Gear pump replacement	Receiving of Spare from warehouse and shifting to the work site, Remove old gear pump and replace by New gear pump, Manual Oil pumping for checking of pump's operation, attend oil leakage if any,Replace gasket if required etc.	No.	2	802	1,604
2	One way clutch replacement	Receiving of Spare from warehouse and shifting to the work site, Remove old clutch and replace by New clutch, etc.	No.	8	601	4,808
3	Tube plugging of intercooler / after cooler (No. of instance of dismantling.)	Receiving of Spare from warehouse and shifting to the work site, Dismantling of Intercooler,arrangement of Tube leakge testing, Test tube leakage,Plugging of leaked tube by plug if any, Refix intercooler assembly, Replace Gasket if required etc.	No.	4	3,207	12,828
4	Tube bundle replacement	Receiving of Spare from warehouse and shifting to the work site, Dismantling of Intercooler and intercooler assembly, Removing of Tube bundle and Replacement by New tube bundle,Assembly of intercooler, Re-installation of intercooler.replace gasket if required etc.	No.	2	1,604	3,208
5	Replacement of Bearing (Journal bearing or Spherical roller bearing) - No. of instance of dismantling.	Remove belt Guard, Remove Tyre/Coupling Bolts/Bush/Coupling, Receiving of Spare from warehouse and shifting to the work site,Inspection of bearing By opening of Top cover if required, Replace old/Damaged bearing by new Bearing as per the instruction of E-I/C, Checking of alignment,Re-alignment if required, arrangement of required tools & tackles for alignment, Protocol preperation, Refixing of Guard Take trial run etc.	Set	2	5,211	10,422
6	Replacement of Wear Rings / or compression ring of HP / LP Piston (no. of instance of dismantling)	Clean equipment By Diesel, Empty-out oil by opening of Top cover, Remove HP & LP pistons, Receiving of Spare from warehouse and shifting to the work site arrangement of oil bath and temperature gauge for wear ring replacement, Dismantling of Piston assembly, Inspection of Piston/Compression/ & Wear rings if required, Clean Cylinder Liners,Re-assembly of Piston. Set Clearance of Cylinders, Replace Radial & Axial glands if required, Flush Bearing Oil lines,Check Float of crankshaft, Check quality of oil, replace if required ETC.	Set	2	6,414	12,828
7	Gasket replacement of HP / LP / Delivery bottle flange.	Receiving of Spare from warehouse and shifting to the work site, Dismantling of HP/LP Bottle assembly, Replacement of Gasket. Re-installation of HP/LP Bottle assembly ETC.	No.	8	401	3,208
8	Oil wiper replacement of LP/HP piston	Receiving of Spare from warehouse and shifting to the work site, Removing of crosshead cover, Replacement/Adjustment of Oil wiper Packing. Re-fixing of Crosshead cover ETC..	No.	8	802	6,416
9	Alignment of Compressor (HT driven motor)	Remove coupling Guard, Remove Tyre/Coupling Bolts/Bush, Receiving of Spare from warehouse and shifting to the work site, Check alignment,Re-alignment if required, arrangement of required tools & tackles for alignment, Protocol preperation, Refix Guard ,take trial run etc.	No.	12	2,405	28,860
10	Inspection/Serviceing of abnormal noise from HP / LP valve	After inspection while equipment is in operation Obtain Permit To Work(PTW) of Equipment By the Engineer- in-charge, Dismantling of identified malfunctioning HP/LP Vlaves, Receiving of Spares from warehouse and shifting to the work site, Service/Repair/Replace LP/HP valves, Service HP/LP Valves by diesel cleaning/Lapping and assembly,check for Passing/Non Passing of serviced valves by Diesel, Re-fixing of HP/LP Valves along with O-rings if required etc.	No.	16	802	12,832

SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
<b>Q</b>	<b>Fly Ash Conveying Lines</b>					
1	Replace disc, seat of Ash Intake valve	Remove the Valve assembly from the place of installation, Cleaning and Inspection of seat or disc or liner, Receiving of Spare from warehouse and shifting to the work site, Repair/Replace if Required, Check the gasket replace is required,Refixing of Door etc.	No.	200	394	78,800
2	Opening & Re-fixing / Replacement of Vessel Dome / replacement of dome cloth or removing choke up of vessel	Dismantling of vessel's Dome and Purging line, Internal inspection of vessel, Dome's Cleaning and Inspection of center bolt replace if required, Inspection of Perforated sheets/Disc repair by welding if required,Inspection of Fluidising cloth replace if required, Receiving of Spare from warehouse and shifting to the work site, Check the gasket-replace is required, Re-assemble the Dome and refix the dome to vessel and Purging line etc.	No.	80	3,149	251,920
3	Replacement of gasket of Ash intake valve / Bellow / Discharge valve / Fluidizing Pad / Vessel Dummy / KGVs	Cleaning,dismantling and inspection of AIV/Bellow/Discharge valve/Fluidising Pad/Vessel Dummy/KGV's Receiving of Spare from warehouse and shifting to the work site, Replace the Gasket by new one if required make new gasket as per requirement, shift the old/damaged gasket to scrap bin etc.	No.	480	394	189,120
4	Coupling gasket replacement for Pipe line (Size: 100 to 250 NB)	Cleaning,dismantling and inspection, Receiving of Spare from warehouse and shifting to the work site, Replace the Gasket,Re-fix the coupling, shift the old/damaged gasket to scrap bin etc.	No.	890	394	350,660
5	Replacement of Ash Intake valve	Remove the Valve assembly from the place of installation, Receiving of Spare from warehouse and shifting to the work site, Replace old AIV assembly by new AIV assembly, Check the gasket replace is required,shifting of AIV to store etc.	No.	4	1,589	6,356
6	Choke up removal of Fly Ash line (no. of instance, in approx. 6 m length of Size;80 NB to 250 NB)	Open Pipe couplings if required, ask the operation department for line flushing,Hammering if required, Remove chock-up,Refix the door/dummy and coupling. get the confirmation from operation department for performance of line etc.	No.	80	2,124	169,920
7	Hopper Adapter removal & re-fixing	Remove expansion bellow and KGV-Below adapter,Remove adapter,inspection of hopper, Re-fixing of adapter as per the instruction of E-I/C, Replace gasket if required ETC.	No.	12	1,575	18,900
8	Hopper Adapter choke up cleaning	Remove expansion bellow and KGV-Below adapter,Remove adapter,inspection of hopper,Removing of Chock-up, Re-fixing of adapter as per the instruction of Engineer-in-charge, Replacement of gasket if required.	No.	20	1,181	23,620
9	Repair of perforated sheet & centre bolt of Dome of Ash transmitter vessel.	Dismantling of vessel's Dome and Purging line, Internal inspection of vessel, Dome's Cleaning and Inspection of center bolt replace if required, Inspection of Perforated sheets/Disc repair by welding if required,Inspection of Fluidising cloth replace if required, Receiving of Spare from warehouse and shifting to the work site, Check the gasket replace is required, Re-assemble the Dome and refix the dome to vessel and Purging line etc.	No.	40	264	10,560
10	Choke up removal of purging line(Size:40 NB to 100 NB)	Open Pipe couplings/Valves/Plugs if required, ask the operation department for line flushing,Hammering if required, Remove chock-up,Refix the door/dummy and coupling. get the confirmation from operation department for performance of line, if chock-up has been removed etc.	No.	20	787	15,740
11	Inspection of vessel by dummy opening	Open the vessel's dummy ask the operation department for line flushing,Hammering if required, Remove chock-up,Refix the door/dummy, if chock-up has been removed etc.	No.	60	264	15,840
12	Replacement of vent valve or Ash Intake valve Bush / Gland	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged valve and Repairing/ replacement by new valve, Shifting of old assembly to scrap yard/Store as per the instruction of E-I/C.	No.	12	795	9,540
13	Replacement of Coupling set	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged coupling set along with gasket, replacement by new coupling assembly, Shifting of old assembly to scrap yard/Store as per th einstruction of Engineer-in-Charge etc.	No.	12	1,575	18,900



SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
<b>R ESP/Fly Ash Silo Fluidizing air Lines</b>						
1	Replacement of Globe / Gate / Needle / Ball valve (Size: 1/2 " to 2 " )	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged valve and replacement by new valve along with teflon tape, Shifting of old assembly to scrap yard/Store as per th einstruction of E-I/C.	No.	40	394	15,760
2	Replacement of hose pipe (Size:3/8" to 1")	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Hose and replacement by new Hose along with teflon tape and fittings, Shifting of scrap yard/Store as per th einstruction of E-I/C.	No.	20	197	3,940
3	Arresting leakage of fluidizing air line / Pad	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Hose/Fiting and replacement by new Hose along with teflon tape, Shifting of scrap yard/Store as per th einstruction of E-I/C.	No.	80	197	15,760
4	Choke up removal of fluidizing air line / pad	Receiving of Spare from warehouse and shifting to the work site, De-coupling of Pipe,Chock-up removing by blowing air/Hammering etc, Shifting of scrap yard/Store as per th einstruction of E-I/C.	No.	80	197	15,760
<b>S Centrifugal Horizontal Water Pump</b>						
1	Replacement of bearings	Receiving of Spare from warehouse and shifting to the work site, De-coupling and dismantling if required,Replace old/damaged bearing with grease,Re-assembly of Pump and alignment with drive motor, Shifting of scrap yard/Store as per th einstruction of E-I/C.	Set	2	3,178	6,356
2	Replacement of gland packing	Receiving of Spare from warehouse and shifting to the work site, De-coupling and dismantling if required,Replacement of old/damaged Gland by opening of stuffing-box/Adjusting the bolts, with greasing if required,Re-assembly of Pump and alignment with drive motor, Shifting of scrap yard/Store as per the einstruction of Engineer-in-Charge.	No.	4	199	796
3	Coupling / bush replacement	Receiving of Spare from warehouse and shifting to the work site, De-coupling and dismantling if required,Replacement of bush and coupling if required, alignment with drive motor, Shifting of scrap yard/Store as per th einstruction of Engineer-in-Charge.	No.	2	596	1,192
4	Overhauling of Centrifugal Pump	Equipment Cleaning,Gland leakage attending, Attend leakage if any other, Valve spindle greasing,NRV checking/Repairing, Foundation bolt tightening, Strainer cleaning,Alignment Checking, Impeller inspection & Replacement if Required, bearing inspection,Shaft with sleeves Inspection. Replace spare if required etc.	No.	2	6,013	12,026
5	Strainer Cleaning	Removing of strainer from housing,Strainer cleaning by wire brush,repairing if required,Re-fix the strainer.	No.	6	401	2,406
<b>T Rotary Vane Feeders</b>						
1	Fabrication / Replacement of blade tips	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C	No.	2	3,149	6,298
2	Coupling / Spider replacement	Guard removing, Remove/Replace Spider/Coupling Bolts/Bush, Receiving of Spare from warehouse and shifting to the work site, Checking of alignment,Re-alignment if required, arrangement of required tools & tackles for alignment, Protocol preperation, Refixing of Guard etc.	No.	2	401	802
3	Overhauling of Rotary Vane Feeders	Clean equipment,Remove chock up if required, Attend leakage if any, including KGVs,Check condition of blade tips Replace if required, Bearing greasing, Oil Level & oil condition Checking, Replace if required, Checking of coupling condition, Replace if required,Dismantle feeder, Check clearance of blade tips, Change/Set if required.	Set	4	1,604	6,416
4	Choke-up removal	Receiving of Spare from warehouse and shifting to the work site, Opening of spool piece/inspection door,Chock up removing, Re-fixing of Spool piece and inspection door.	No.	6	394	2,364
5	Leakage attending from inspection door/ spool piece	Receiving of Spare from warehouse and shifting to the work site, Opening of spool piece/inspection door,Replacement of gasket, Re-fixing of Spool piece and inspection door.	No.	6	394	2,364

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SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
<b>U Dust Conditioners</b>						
1	Choke up removal.	Receiving of Spare from warehouse and shifting to the work site, Opening of spool piece/inspection door,Chock up removing, water washing, Re-fixing of Spool piece and inspection door.	No.	10	787	7,870
2	Bearing replacement	Guard removing, Remove/Replace Drive belt/Coupling Bolts/Bush, Receiving of Spare from warehouse and shifting to the work site, Check alignment,Re-alignment if required, arrangement of required tools & tackles for alignment.	Set	2	3,149	6,298
3	Drive alignment checking	Remove Belt Guard, Remove/Replace Drive belt/Coupling Bolts/Bush, Receiving of Spare from warehouse and shifting to the work site, Checking of alignment,Re-alignment if required, arrangement of required tools & tackles for alignment, Protocol preperation, Refixing of Guard etc.	No.	2	1,203	2,406
4	Replacement of blade of dust conditioner (in no. of blades)	Receiving of Spare from warehouse and shifting to the work site, Opening of inspection doors, Cleaning of paddle mixer/Dust conditioner,Cutting/Removing of old/Damaged blades, Welding/Fixing of new blades,Shifting of old blades to scrap yard/Bin.	No.	40	802	32,080
<b>V Centrifugal Vertical Water/sump Pump</b>						
1	Replacement of bearings	Receiving of Spare from warehouse and shifting to the work site, De-coupling and dismantling if required,Replacement of old/damaged bearing with greasing,Re-assembly of Pump and alignment with drive motor, Shifting of scrap yard/Store as per th einstruction of E-I/C.	Set	2	3,207	6,414
2	Replacement of gland packing	Receiving of Spare from warehouse and shifting to the work site, De-coupling and dismantling if required,Replacement of old/damaged Gland by opening of stuffing-box/Adjusting the bolts, with greasing if required,Re-assemble Pump and alignment with drive motor,trial run etc.	No.	2	401	802
3	Coupling / bush replacement	Guard removing, Remove/Replace Spider/Coupling Bolts/Bush, Receiving of Spare from warehouse and shifting to the work site, Checking of alignment,Re-alignment if required, arrangement of required tools & tackles for alignment.	No.	2	802	1,604
4	Overhauling of Vertical Water/ Slurry Pump	Equipment Cleaning,Gland leakage attending, Attend leakage if any, Valve spindle greasing,NRV checking/Repairing, Foundation bolt tightening, Strainer cleaning,Alignment Checking, Impeller inspection & Replacement if Required, bearing inspection,Shaft with sleeves Inspection. Replace spares if required.	No.	2	8,018	16,036
5	Stainer Cleaning	Remove of strainer from housing,Strainer cleaning by wire brush,repairing if required,Re-fix the strainer etc.	No.	8	590	4,720
<b>W Silo Equipments</b>						
1	Silo choke up removal(No of Instance )	Opening of spool piece/inspection door for Chock up removing by Pocking,Fluidising line inspection, Re-fixing of Spool piece and inspection door etc.	No.	20	787	15,740
2	Flow meter top / side rubber gasket replacement	Internal & external Cleaning, Adjustment of internal parts if required,Replacement of Gasket if required, Leakage attending if any etc.	No.	24	787	18,888
<b>X Common Items</b>						
1	Removing and Refixing after Service / Repair / Replacement of manual or pneumatic operated Knife gate valves (including gasket) Up to 200 NB size.	Remove the valve from line or the place of installation, Cleaning,dismantling and inspection as per requirement,Receiving of Spare from warehouse and shifting to the work site, Repair,Replace as per the instruction of E-I/C.Re-install/Re-fix the valve,Replace the gaskets if required.	No.	440	492	216,480
2	Removing and Refixing after Service / Repair / Replacement of manual or pneumatic operated Knife gate valves (including gasket) from 250 NB to 350 NB size.	Remove the valve from line or the place of installation, Cleaning,dismantling and inspection as per requirement,Receiving of Spare from warehouse and shifting to the work site, Repair,Replace as per the instruction of E-I/C.Re-install/Re-fix the valve,Replace the gaskets if required.	No.	160	787	125,920

SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
3	Service / Repair / Replacement of manual or pneumatic operated Butter fly valve/swing disc/ Globe type valves up to 200 NB size.	Remove the valve from line or the place of installation, Cleaning,dismantling and inspection as per requirement,Receiving of Spare from warehouse and shifting to the work site, Repair,Replace as per the instruction of E-I/C.Re-install/Re-fix the valve,Replace the gaskets if required.	No.	400	590	236,000
4	Service / Repair / Replace of manual or pneumatic operated Butter fly valve from 250 to 350 NB size.	Remove the valve from line or the place of installation, Cleaning,dismantling and inspection as per requirement,Receiving of Spare from warehouse and shifting to the work site, Repair,Replace as per the instruction of E-I/C.Re-install/Re-fix the valve,Replace the gaskets if required.	No.	30	590	17,700
5	Removing and refixing after Service / Repair / Replacement of pneumatic operated Discharge valves(Including gasket) up to 250 NB size.	Remove the valve from line or the place of installation, Cleaning,dismantling and inspection as per requirement,Receiving of Spare from warehouse and shifting to the work site, Repair,Replace as per the instruction of E-I/C.Re-install/Re-fix the valve,Replace the gaskets if required.	No.	180	1,575	283,500
6	Service / Repair / Replacement of manual or pneumatic operated Control Valve up to 200 NB size.	Remove the valve from line or the place of installation, Cleaning,dismantling and inspection as per requirement,Receiving of Spare from warehouse and shifting to the work site, Repair,Replace as per the instruction of E-I/C.Re-install/Re-fix the valve,Replace the gaskets if required.	No.	60	787	47,220
7	Removing of Choke up / Jamming, of Discharge valve	Cleaning and inspection,Opening of Vent Plug,Flushing/cleaning by Air Operate manually etc.	No.	60	301	18,060
8	Replacement of castings (Bend, Tee, Spool piece, Reducer)up to 300NB including inlet and outlet coupling gasket	Spare from warehouse and shifting to the work site, Dismantling of old/Damaged casting piece along with inlet and outlet couplings and replacement by new Piece, scrape shifting as per the E-I/C.	No.	40	2,362	94,480
9	De-Coupling & alignment of drives (blower, ash water pump)	Remove Guard, Removing of V-Belts/Tyre/Coupling Bolts/Bush, Receiving of Spare from warehouse and shifting to the work site, Checking of alignment,Re-alignment if required, arrangement of required tools & tackles for alignment, Protocol preperation, Refixing of Guard etc.	No.	20	1,575	31,500
10	Servicing of pressure relief valve (Bed ash & Fly ash silos)	Cleaning and inspection, Receiving of Spare from warehouse and shifting to the work site, Repair,Replace as per the instruction of Engineer-in-charge, Re-install/Re-fix the valve,Replace the gaskets if required etc.	No.	4	787	3,148
11	Servicing of EOT crane in Pump house	Receiving of Spare from warehouse and shifting to the work site, cleaning and lubrication, Physical inspection of chain block,monorail,wheels etc. arrangement of required tools & tackles, Refixing of Guard etc.	No.	2	1,575	3,150
12	Patching of pipeline (air & water line up to 350 NB). Maximum length of patch upto 2.00 mtr.	Patch cuting from old/new Pipes as per the requirement , Arrangement of welding machine at location.arrangement of approach/scaffolding for patching,Patching/Welding, Dismantling of scaffolding and shifting to the storage area etc.	No.	510	787	401,370
13	Thickness measurement of Bed ash conveying lines from Intermediate surge hopper to Silo.	Receiving of thickness measuring tool from Engineer-in-charge, Measurement of Pipe thickness, Return thickness measuring tool to E-I/C, Preperation of Report and submission to E-I/C.	No.	4	791	3,164
14	Fabrication of MS reducer (up to 150 NB)	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	8	1,604	12,832
15	Fabrication of MS reducer (200 NB to 350 NB)	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	6	2,004	12,024
16	Replacement of M.S Reducer (up to 150NB)	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old reducer and replacement by new reducer,shift old reducer to scrape yard.	No.	8	1,575	12,600
17	Replacement of M.S Reducer (200 NB to 350 NB)	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old reducer and replacement by new reducer,shift old reducer to scrape yard.	No.	8	1,968	15,744
18	Replacement of M.S. pipelines (250 NB / 350 NB)	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old/Damaged Pipe line as per the instructions of Engineer-In-Charge and replacement by new Pipelines,shft old pipes to scrap yard etc.	Meter	800	796	636,800
19	Replacement of M.S. pipelines (25 NB / 100 NB)	Receiving of Spare from warehouse and shifting to the work site,Dismantling of old/Damaged Pipe line as per the instructions of Engineer-In-Charge and replacement by new Pipelines,shft old pipes to scrap yard etc.	Meter	80	401	32,080

SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
20	Replacement of M.S. pipelines (125 NB / 200 NB)	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Pipe line as per the instructions of Engineer-In-Charge and replacement by new Pipelines, shift old pipes to scrap yard etc.	Meter	40	394	15,760
21	Fabrication of M.S spool piece up to 350 NB, Size: 1 meter	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	10	787	7,870
22	Replacement of M.S Spool piece up to 350 NB	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Spool piece as per the instructions of E-I/C and replacement by new spool piece, shift old pipes/castings/spool piece to scrap yard etc.	No.	10	1,575	15,750
23	Replacement of Cast iron pipe (250NB to 350NB)	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged casting as per the instructions of E-I/C and replacement by new piece, shift old pipes/castings to scrap yard etc.	Meter	200	786	157,200
24	Arresting leakage of air / ash by applying putty/m-seal etc.	Receiving of Spare from warehouse and shifting to the work site, apply putty/m-seal etc. to arrest the leakage etc.	No.	40	264	10,560
25	Plugging of Vent line, Vessels by providing MS plug (Plug dia. up to 40 NB)	Receiving of Spare from warehouse and shifting to the work site, cutting of hole in vent line and welding of G.I. Coupling/Nut for plug, Fixing of plug with teflon tape etc.	No.	50	394	19,700
26	Removing / Refixing / Replacement / Repairing NRV up to 150 NB	Remove the valve from line or the place of installation, Cleaning, dismantling and inspection, Receiving of Spare from warehouse and shifting to the work site, Repair, Replace as per the instruction of E-I/C, Re-install/Re-fix the valve, Replace the gaskets if required etc.	No.	4	590	2,360
27	Removing / Refixing / Replacement / Repairing NRV up to 200 NB to 300 NB	Remove the valve from line or the place of installation, Cleaning, dismantling and inspection, Receiving of Spare from warehouse and shifting to the work site, Repair, Replace as per the instruction of Engineer-in-charge, Re-install/Re-fix the valve, Replace the gaskets if required etc.	No.	20	1,575	31,500
28	Filling / Sealing of punctured castings by welding by special purpose electrode	Remove the casting from line or the place of installation, Cleaning and inspection, Receiving of Spare (Special electrodes) from warehouse and shifting to the work site, Arrangement of welding electrode oven, Filling/Repairing of castings with special electrodes as per the instruction of E-I/C.	No.	20	1,336	26,720
29	Filling of Knife gate valve plate by special Electrode (Size: 100 NB to 350 NB)	Remove the gate valve plate from line or the place of installation, Cleaning and inspection, Receiving of Spare (Special electrodes) from warehouse and shifting to the work site, Arrangement of welding electrode oven, Filling/Repairing of plate with special electrodes/Grinding as per the instruction of E-I/C.	No.	40	401	16,040
30	Replacement of Gland packing of KGV / Gate valve ( Size: 100 NB to 350 NB)	Inspection of the Valve/Slide Plate, Remove the old/damaged Gland, Receiving of Spare from warehouse and shifting to the work site, Cleaning of the Groove, Fitting of new Gland, checking of operation of valve if required.	No.	40	787	31,480
31	Silo Inspection Door Opening /Closing	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or Engineer-In-charge.	No.	16	1,972	31,552
32	Manufacturing of Mitre bends up to 150 NB	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	4	1,604	6,416
33	Manufacturing of Mitre bend 200 NB to 300 NB	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	8	3,207	25,656
34	Erection of any type of valve with 02 no. flanges up to 150 NB	Receiving of Spare from warehouse and shifting to the work site, Erection of New valve or Replacement of old valve with new valve with matching flanges etc.	No.	4	1,575	6,300
35	Erection of any type of valve with 02 no. flanges 200 NB to 350 NB	Receiving of Spare from warehouse and shifting to the work site, Erection of New valve or Replacement of old valve with new valve with matching flanges etc.	No.	4	1,575	6,300
36	Fabrication, Dismantelling & erection of structure like platform, supports along with painting etc.	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or Engineer-In-charge.	MT	4	18,040	72,160
37	Fabrication of blade for Dust conditioner from 20 mm thick MS with 02 no. holes (16 mm dia.)	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	16	1,203	19,248
38	Fabrication of flange up to 150 NB	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	8	601	4,808
39	Fabrication of flange 200 NB to 350 NB	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	6	802	4,812

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Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
40	Replacement / Erection of MS Bend up to 150 NB	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Bend and replacement by new Bend, Shift scrap to the scrap yard etc.	No.	20	1,575	31,500
41	Replacement / Erection of MS Bend 200 NB to 350 NB	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Bend and replacement by new Bend.	No.	10	2,362	23,620
42	Replacement / Erection of MS Flange up to 150 NB	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Flange and replacement by new Flange.	No.	20	787	15,740
43	Replacement / Erection of MS Flange 200 NB to 350 NB	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged Flange and replacement by new Flange.	No.	20	1,181	23,620
44	Fabrication of plate for sealing and Vessel Sealing with plastic for Transmitter vessels from 3.15 mm (max 0.4* 0.4 m <sup>2</sup> )	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	360	295	106,200
45	Air Receiver drain valve/ line choke removal / Replacement	Receiving of Spare from warehouse and shifting to the work site, Remove drain valve/drain pipe, Remove chock-up and Re-fix with teflon tap etc.	No.	40	132	5,280
46	Oil top up / replacement in Gear box,Compressor/blower.	Receiving of oil from warehouse and shifting to the work site, Check oil level and oil quality and Top-up up to the required level if required,clean the gear box etc.	No.	20	132	2,640
47	Replacement of Silo discharge chute cloth	Receiving of spare from warehouse and shifting to the work site, Replacement of old/Damaged cloth by new cloth etc.	No.	40	590	23,600
48	Replacement of Vessel Support (1 Support = 1 Leg)	Receiving of spare from warehouse and shifting to the work site, Fabrication of leg as per the requirement, Erection of leg by replacing the old/damaged support leg, Shifting of old/ damaged legs to scrap yard/Bin.	No.	40	787	31,480
49	Grease Top up in Blower / Compressor / Paddle mixture / Dust conditioner	Receiving of Grease from warehouse and shifting to the work site, Top-up/Replace as per requirement,clean the equipment etc.	No.	20	197	3,940
50	Dismantling & Erection of scaffolding for miscellaneous work up to 6 m (no. of instance) (no. of instance of 3m x 4m x 6m volume)	Arrange the Scaffolding Pipes and clamp at site, Erection of Scaffolding as per the standard Practice, Dismantling of Scaffolding after completion of Job, Shifting of Pipes and clamps to the storage area etc.	No.	40	5,258	210,320
51	Dismantling & Erection scaffolding in miscellaneous work above 6 m (no. of instance of 3m x 4m x 6m volume)	Arrange the Scaffolding Pipes and clamp at site, Erection of Scaffolding as per the standard Practice, Dismantling of Scaffolding after completion of Job, Shifting of Pipes and clamps to the storage area etc.	No.	20	6,573	131,460
52	Ground unloading of Fly ash / Bed ash from Hoppers	Removing of Expansion bellow/Spool Piece, Opening of Isolation gate, Ground unloading of material as per instruction of E-I/C, Refixing of Expansion bellow/spool piece along with gasket if required, Shifting of Pipes and clamps to the storage area ETC.	No.	480	394	189,120
53	Fabrication / Repair of V belt/coupling guard	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	8	1,604	12,832
54	Fabrication / Repair / Replacement of Hand railing with toe guard (Complete frame)	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	Meter	100	787	78,700
55	Fabrication/Erection/Replacement of Pipe clamp up to 350 NB pipe	Receiving of Spare from warehouse and shifting to the work site, Fabricate as per the drawing or E-I/C.	No.	120	406	48,720
56	Erection/dismantling/Replacement of Grating	Receiving of gratings from ware house,Replace the grating as per the drawing or instruction of Engineer-in-charge,Return Permit to Work to Engineer-in-charge.	MT	2	5,905	11,810
57	Replacement of Ceramic Bend / Y branch up to 300 NB	Receiving of Spare from warehouse and shifting to the work site, Dismantling of old/Damaged ceramic bend and replacement by new Ceramic Bend etc.	No.	6	3,185	19,110
58	Removing & refixing/Repalcement/repair of Metallic/Non Metallic Expansion Joint Upto 200 NB	Clean by Air,Removing and inspection of expansion bellow, Receiving of Spare from warehouse and shifting to the work site, Repair and Replace along with gasket as per the instruction of E-I/C, Shifting of old Expansion joint to the site store ETC.	No.	500	397	198,500
59	Removing & refixing/Repalcement/repair of Metallic/Non Metallic Expansion Joint above 200 NB to 500 NB	Clean by Air,Removing and inspection of expansion bellow, Receiving of Spare from warehouse and shifting to the work site, Repair and Replace along with gasket as per the instruction of E-I/C, Shifting of old Expansion joint to the site store ETC.	No.	40	795	31,800
60	Unforeseen Jobs - H&M Deployment of Operator (Handling - Operation) [NORMAL]	Deployment of workmen of suitable / specified category on as and when required basis with all required Tools / Tackles and Consumables.	MANDAY	60	549	32,940

SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
61	<b>Unforeseen Jobs - H&amp;M</b> Deployment of Operator (Handling - Operation) [OVERTIME]	Deployment of workmen of suitable / specified category on as and when required basis with all required Tools / Tackles and Consumables.	HOUR	60	137	8,220
62	<b>Unforeseen Jobs - H&amp;M</b> Deployment of Maintenance Engineer		MANDAY	40	723	28,920
63	<b>Unforeseen Jobs - H&amp;M</b> Deployment of Welder [NORMAL]		MANDAY	80	1,203	96,240
64	<b>Unforeseen Jobs - H&amp;M</b> Deployment of Welder [OVERTIME]		HOUR	180	301	54,180
65	<b>Unforeseen Jobs - H&amp;M</b> Deployment of Mill Wright / Mechanical Fitter [NORMAL]		MANDAY	40	1,505	60,200
66	<b>Unforeseen Jobs - H&amp;M</b> Deployment of Mill Wright / Mechanical Fitter [OVERTIME]		HOUR	120	376	45,120
67	<b>Unforeseen Jobs - H&amp;M</b> Deployment of Helper [NORMAL]		MANDAY	200	520	104,000
68	<b>Unforeseen Jobs - H&amp;M</b> Deployment of Helper [OVERTIME]		HOUR	600	130	78,000
HOUSEKEEPING OF AHS						
1	<b>Daily</b> AHS Control Room and AHS Office Cleaning  Dry cleaning and Wet cleaning (Swabbing) of AHS Control room and Cleaning of AHS Office	Dry sweeping followed with Wet cleaning (Swabbing) of floor, all doors & desk tables of AHS Control room and AHS Office. Phenyl is to be used with water for Wet cleaning (Swabbing). Dry cleaning of all PLC panels & control desk by yellow duster. Room freshener spray & 2 Nos. small dust-bins are to be maintained at AHS control room and AHS Office. Dust and other Garbage collected in these small dust-bins in AHS Control room, AHS Control Room surrounding area and AHS Office is to be disposed in large dustbin which shall be kept nearby AHS Control room / AHS Office.	No.	1460	248	362,080
2	<b>Daily</b> MCC adjoining AHS Control Room  Dry Cleaning of Main MCC	Dry sweeping of Main MCC floors, windows and doors. All panels of MCCs are to be cleaned by yellow duster. Dust and other Garbage collected is to be disposed in large dustbin which shall be kept nearby AHS Control room.	No.	730	124	90,520
3	<b>Daily</b> AHS Compressor cum Pump House  Dry Cleaning of AHS Compressor cum Pump house	Dry sweeping of floor of AHS Compressor cum Pump house. Dust & garbage collected from AHS Compressor cum Pump House and surrounding area of to be disposed in large dustbin which shall be kept nearby AHS Control room.	No.	730	310	226,300
4	<b>Daily</b> AHS Weigh-bridge Operator room  Dry cleaning and wet cleaning (swabbing) of AHS Weigh-bridge Operator room	Dry sweeping followed with wet cleaning (swabbing) of floor, all doors, windows and desk tables of AHS Weigh-bridge Operator room. Phenyl is to be used with water for wet swabbing.	No.	730	124	90,520
5	<b>Daily</b> Toilet  Cleaning of Toilets at AHS Control Room, AHS Office and at Weighbridge	Cleaning of toilet near AHS Control room & weigh bridge (total 3 Nos.). Harpic is to be used for Toilet cleaning. Lifebuoy or Nirma soap shall be placed for hand wash at wash basin. Odonil tablet for air freshening and naphtha balls / tablets at urinal are to be used at toilets. Choke-up removal of drains of toilet, urinal & washbasin through an auto scrubber liquid whenever required is to be done. (Toilet users 40 persons for toilets near C/R and 2 persons for Weigh-bridge toilet per day per toilet).	No.	2190	124	271,560



SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
6	<b>Daily</b> ESP Ground Floors  Dry Cleaning of Ground floors of ESPs of Unit-1,2,3,4	Dry sweeping of ESP ground floors of Unit # 1, 2, 3 & 4 along with surrounding area. Evacuation from pits beneath Ash Transmitting Vessels beneath ESPs is to be done. Quick removal of ash spilled due to choking of any equipment / pipe lines for any reason is to be done. Time to time, de-watering of ESP vessel pits is to be done. Cleaning of ash transmitter vessel legs & column foundations is to be done. <u><i>This item will not be executed during Unit Annual Shutdown and Monsoon period (from start of Unit shutdown to the complete execution of Item no. 27 below after annual shutdown. Total tentative no. of days per Annum the activity not to be executed shall be 60 days).</i></u>	No.	2440	497	1,212,680
7	<b>Daily</b> Boiler area Ground Floors  Dry Cleaning of Boiler areas of Unit-1,2,3,4	Dry sweeping of ground floor area beneath Back pass, Air pre-heater, Duct, Bed ash intermediate surge hopper & bed ash conveying lines of Unit # 1, 2, 3 & 4. Quick removal of ash spilled due to choking of any equipment / pipe lines for any reason is to be done. Cleaning of ash transmitter vessel legs / column foundations to be done. <u><i>This item will not be executed during Unit Annual Shutdown and Monsoon period (from start of Unit shutdown to the complete execution of Item no. 28 below after annual shutdown. Total tentative no. of days per Annum the activity not to be executed shall be 60 days).</i></u>	No.	2440	248	605,120
8	<b>Daily</b> Silo Operating Floors  Dry Cleaning of Silo Operating floors for All Fly Ash and Bed Ash Silos	Dry sweeping of Silo operating floors including silo operator cabin (excluding silo top) of all Silos of U # 1, 2, 3 & 4 (Total: 4 Nos. Fly Ash Silos and 4 Nos. Bed Ash Silos. 6 Nos. of Operating Floors to be cleaned daily as Bed Ash Silos operating floors shall be cleaned on alternate days). Quick removal of ash spilled due to choking of any equipment / pipe lines for any reason is to be done.	No.	4380	62	271,560
9	<b>3 Times a Week</b> Bed Ash MCC  Dry Cleaning of Bed Ash MCC	Dry sweeping of Bed Ash MCC floors, windows and doors. All panels of MCCs are to be cleaned by yellow duster. Dust and other Garbage collected is to be disposed in large dustbin which shall be kept nearby AHS Control room.	No.	312	124	38,688
10	<b>Weekly</b> MCC adjoining AHS Control Room  Wet cleaning (swabbing) of Main MCC	Wet cleaning of Main MCC floors, windows and doors. Phenyl is to be used with water for wet cleaning.	No.	104	248	25,792
11	<b>Weekly</b> Fluidizing Blower Rooms  Dry Cleaning and Wet Cleaning (swabbing) of Roofs and Floors Fluidizing Blower Rooms	Dry sweeping followed with water washing of floors & cleaning of walls & bottom roof of fluidizing blower rooms with its surrounding area for Fluidizing Blower rooms of Unit # 1, 2, 3 & 4. There are total Three (3) Fluidizing Blower rooms as 1) ESP blower rooms of SLPP, Phase-1 2) ESP blower rooms of SLPP, Phase-2, and, 3) Silo blower room of SLPP, Phase-2.	No.	312	248	77,376
12	<b>Weekly</b> General  Water washing (through Water jetting) of surrounding areas of AHS Control Room	Water washing of front area of AHS Control room, connecting road from AHS C/R to Fly Ash Silo-1, 2. Sprinkling of water within area surrounding to AHS Compressor cum Pump house. Required size & length of hose pipe for water washing along with fittings shall be in Contractor's scope.	No.	104	497	51,688
13	<b>Weekly</b> AHS Weigh-bridge  Total Cleaning of AHS Weigh-bridge (Top and bottom portion of weighbridge)	Total Cleaning of AHS Weighbridge - Top portion and Bottom portion of Weighbridge to be cleaned thoroughly. This cleaning shall be followed by water washing (if at all required and directed by Engineer In-charge). Total 1 no. AHS Weighbridge Required size & length of hose pipe for water washing along with fittings shall be in Contractor's scope.	No.	104	497	51,688
14	<b>Fortnightly</b> Bed Ash MCC  Wet cleaning (swabbing) of Bed ash MCC	Wet cleaning (swabbing) of Bed ash MCC floor, windows and doors. Phenyl is to be used with water for wet cleaning.	No.	48	248	11,904

SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
15	<b>Fortnightly</b> Garbage Dumping Garbage Dumping nearby JNT-13	Garbage collected at large Dustbin nearby AHS Control Room, Blower Rooms and elsewhere (as and when communicated by Engineer In-charge) shall be disposed nearby JNT-13 through Tractor	No.	48	497	23,856
16	<b>Fortnightly</b> AHS Control Room and adjoining MCC Dry Cleaning of Walls & Roofs of AHS Control Room & Main MCC	Dry cleaning of Walls & bottom of Roofs of AHS Control room, Main MCC room of AHS and Bed Ash MCC. The Cleaning shall be done on the Top of all MCC Panels placed in the MCC room.	No.	48	497	23,856
17	<b>Fortnightly</b> Bed Ash MCC Dry Cleaning of Walls & Roof of Bed Ash MCC		No.	48	497	23,856
18	<b>Fortnightly</b> ESP / Boiler area Ash transmitting vessels Dry Cleaning of Ash Transmitting vessels for Fly Ash and Bed Ash	Dry cleaning of Ash Transmitter vessels & Connecting pipes beneath ESP & Boiler area of Unit # 1, 2, 3 & 4. Required Hoses for Compressed Air for cleaning purpose shall be in Contractor's scope	No.	192	497	95,424
19	<b>Fortnightly</b> Silo Roofs and Silo nearby area Dry Cleaning of Top of Silos and nearby area	Dry Sweeping of All Silos Roofs, adjoining Walkways, Pipe enclosures and Silo stair towers along with staircase (nearby Silos). Total No. of Silos: 8	No.	288	993	285,984
20	<b>Fortnightly</b> AHS Compressor cum Pump House Dry Cleaning of Walls & Roof of Compressor cum Pump house	Dry cleaning of walls & bottom of Roof of AHS Compressor cum Pump house. The MOT Crane situated in Pump house shall also be cleaned alongwith. Safety Belts and other required safety appliances shall be provided to the workmen carrying out this job and the same shall be in Contractor's scope.	No.	48	1,117	53,616
21	<b>Monthly</b> General Water washing of 158N road, Road besides LLHS/AHS Office Building and Ash Water Tank	Water washing of 158N road (In-front of Fly ash & Bed ash silos of U # 1 & 2), Road besides LLHS / AHS Office building and Ash water tank. Required size & length of hose pipe for water washing along with fittings shall be in Contractor's scope.	No.	24	559	13,416
22	<b>Quarterly</b> Drains Cleaning of Drains surrounding Fluidizing Blower rooms	Cleaning of all drains surrounding Fluidizing Blower Rooms followed with disposal of accumulated sludge nearby JNT-13 using Tractor. The Drains are covered with RCC Block. On requirement, the same shall be removed and subsequently, the Drains shall be cleaned. There are total Three (3) Fluidizing Blower rooms as 1) ESP blower rooms of SLPP, Phase-1 2) ESP blower rooms of SLPP, Phase-2, and, 3) Silo blower room of SLPP Phase-2	No.	24	186	4,464
23	<b>Quarterly</b> Drains Cleaning of Drains surrounding AHS Control Room and Compressor cum Pump house	Cleaning of all drains surrounding AHS Pump house followed with disposal of accumulated sludge at JNT-13 using Tractor. The Drains are covered with RCC Block. On requirement, the same shall be removed and subsequently, the Drains shall be cleaned.	No.	8	2,235	17,880
24	<b>Quarterly</b> Drain Sump Pumps at Silos Cleaning of Sump pit accommodating the Pumps	Cleaning of Sump pit & surrounding drains followed with disposal of accumulated sludge nearby JNT-13 using Tractor. There are Two Sump pits, 1) At Fly ash silo-3,4 and, 2) At Bed ash silo-3,4	No.	16	2,980	47,680
25	<b>Half Yearly</b> ESP / Boiler Area Water washing of ESP & Boiler area ground floor	Water washing of ESP and Boiler area ground floor of Unit # 1, 2, 3 & 4. Required size & length of hose pipe for water washing along with fittings shall be in Contractor's scope.	No.	12	745	8,940
26	<b>Annually</b> Fly Ash Silos Internal Cleaning of Fly Ash Silos	Internal cleaning of Fly ash silos during the Annual Shutdowns, after the respective Silo made empty normally. (Continual cleaning of Silo operating floors is to be done while Internal cleaning is under progress).	No.	8	7,947	63,576

SECTION – E						
SCHEDULE OF QUANTITIES						
Bi-Annual Rate Contract (BRC) for Handling, Maintenance and Housekeeping of Ash Handling System [Surat Lignite Power Plant – 4 x 125 MW, Unit # 1 to 4]						
Sr. No.	Job Description	Detailed Scope of Work	UoM	Total Qty for 2 years	SoR for 1st year in Rs. (excl. ST)	Total Amount for 2 years (in Rs.)
27	Annually ESP Cleaning of ESP Ground Floors during Annual Shutdown of Unit(s)	During any Unit's Annual Shut-down period, Internal water washing of ESP is being done. A 100 to 200 mm thick layer of ash slurry / sludge is built-up at ground floor of ESP. Cleaning of this layer shall be in the Scope of the Contractor. Schedule for Unit's Annual shutdown is approximately 20 to 25 days. Execution of this job shall be completed within 7 days after the completion of corresponding Unit's shutdown.	No.	8	11,920	95,360
28	Annually Boiler Area Cleaning of Boiler area Ground Floors during Annual Shutdown of Unit(s)	During any Unit's Annual Shut-down period, internal water washing of Air Pre-heater Hoppers, Duct Hoppers and Back pass Hoppers is being done. A 100 to 200 mm thick layer of ash slurry / sludge is built-up at ground floor beneath aforesaid hoppers within boiler area. Cleaning of this layer shall be in the Scope of the Contractor. Immediate cleaning of working platforms for Back pass hoppers after Unit shutdown is to be done. Schedule for Unit's Annual shutdown is approximately 20 to 25 days. Execution of this job shall be completed within 7 days after the completion of corresponding Unit's shutdown.	No.	8	4,470	35,760
29	General Manpower Supply to main plant Operation for Ash cooler draining and Removal of Back shifting Material	Deployment of workmen for (i) Ash Cooler draining activity, and (ii) Removal of back shifting material from Boiler (0 meter) of U # 1, 2, 3 & 4 (iii) any other activity as directed by Engineer In-charge.  Unskilled workmen shall be deployed in all three (3) shifts. One person per Unit in each shift i.e. morning, evening and night.	No.	8760	497	4,353,720
30	Unforeseen Jobs - Housekeeping Deployment of Workmen (Category: Un- skilled) [NORMAL]	Deployment of Workmen (Category: Un- skilled) on as and when required basis with all required Tools / Tackles and Consumables.	MANDAY	300	497	149,100
31	Unforeseen Jobs - Housekeeping Deployment of Workmen (Category: Un- skilled) [OVERTIME]		HOOR	600	124	74,400
sub-Total - 1: Total Contract value for 1st year						13853579
5% Escalation value for the 2nd year i.e. 5% Escalation on Contract value of 1st year (sub-Total - 1)						692679
sub-Total - 2: Total Contract value for 2nd year						14546258
Grand Total: Total Contract Value for 2 years (excluding Service Tax)						28399837
Note: The rates shall include all labour cost, equipments, supervision, consumables, tools, tackles, all taxes & duties (excluding service tax). ----> In no case, work shall be executed without proper Permit to Work (PTW) and after completion of work, PTW must be returned to the concerned. ----> The activities mentioned are tentative and may vary as per the discretion of the Engineer In-Charge (E-I/C) or satisfactory performance of Equipments after taking trial run of the equipment / system whenever required. ----> Working area must be free of Scrap or consumables used, after completion of Job and before returning PTW.						
My Rates are as under:  At estimated value OR _____ % (percentage) above the total estimated value OR _____ % (percentage) below the total estimated value						



## **SECTION - F**

### **LIST OF ANNEXURE & FORMS**

#### **1.0 ANNEXURE - A**

##### **CHECKLIST TO BE SUBMITTED ALONG WITH MONTHLY INVOICE**

(BI-ANNUAL RATE CONTRACT)

For month of: \_\_\_\_\_

- 1) Work Order/ P.O. No. & Contract value : \_\_\_\_\_
- 2) Nature of work : \_\_\_\_\_
- 3) Duration of Work Order : \_\_\_\_\_
- 4) Maximum number of manpower : \_\_\_\_\_ per day deployed in the month
- 5) Details of Labour License : \_\_\_\_\_
- 6) Details of W.C. policy : \_\_\_\_\_
- 7) Documents attached for verification for the previous month:
  - Wage & Attendance sheets Yes / No
  - P.F. Challan Yes / No
- 8) Documents attached for verification:
  - Bonus payment register Yes / No
  - Leave wage register Yes / No
- 9) Security Deposit lying with Company: Yes / No  
If Yes, ₹ \_\_\_\_\_

Date: \_\_\_\_\_

Signature of Contractor  
with official stamp



## 2.0 **ANNEXURE - B**

### **PROFORMA OF BANK GUARANTEE FOR ORDER PERFORMANCE**

(To be stamped in accordance with Stamp Act)

Ref: .....

Bank Guarantee No.....

Date .....

Bank Guarantee Cover period from ..... To .....

To

#### **M/s. GUJARAT INDUSTRIES POWER COMPANY LTD.**

At & Post: Nani Naroli

Taluka: Mangrol

District: Surat

Pin code- 394 110

Gujarat

Dear Sir,

In consideration of the Gujarat Industries Power Company Limited (hereinafter referred to as the Purchaser which expression shall unless repugnant to the context/or meaning thereof include its successors, administrators, and assigns) having awarded to M/s.....having its Registered Office/Principal Office at ..... (address) .....

(hereinafter referred to as the "CONTRACTOR" which expression shall unless repugnant to the context or meaning thereof include its successors, administrators, executors and assigns) a Order by issue of Purchaser's Letter of Intent No.....dated.....and same having been unequivocally accepted by the CONTRACTOR dated .....valued at .....for (scope of order) .....and the contractor having agreed to provide a Order Performance Guarantee for the faithful performance of the entire order including for the quality of the materials and/or workmanship, successful commissioning and satisfactory performance of the equipments/system and satisfactory services rendered during the guarantee/warranty period of ..... Months under the said LOI/Order equivalent to.....\*..... (Percent) of the said value of the order to the purchaser (Name & address of Bank) .....

Having its Head Office at ..... (hereinafter referred to as the "Bank" which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors, assigns) do hereby irrevocably guarantee and undertake to pay the Purchaser, on written demand any and all moneys payable by the CONTRACTOR to the extent of ..... (in figures) ..... (In words) ..... as aforesaid at any time up to (days/months/year) \*\*.....

Without any demur, reservations, contest, recourse or protest and/or without any reference to the CONTRACTOR. Any such demand made by the Purchaser on the bank



shall be conclusive and binding notwithstanding any difference between the Purchaser and CONTRACTOR of any dispute pending before any Court, Tribunal, Arbitrator or any other Authority.

It shall be conclusive and enough for enforcement of the BANK GUARANTEE on the bank if GUJARAT INDUSTRIES POWER COMPANY LIMITED invokes the BANK GUARANTEE stating only that the default has been committed by the contractor, thus far and no further. The bank undertakes not to revoke this guarantee during its currency without previous written consent of the purchaser and continue to be enforceable till the Purchaser discharges this guarantee.

The Purchaser shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee from time to time to extend the time for performance of the Order by the CONTRACTOR. The Purchaser shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the CONTRACTOR, and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied in the Order between the Purchaser and the CONTRACTOR or any other course of or remedy or security available to the Purchaser. The Bank shall not be released of its obligations under these presents by any exercise by the Purchaser of its liberty with reference to the matter aforesaid or any of them or by reason or any other acts of omission or commission on the part of the Purchaser or any other indulgence shown by the Purchaser or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the Bank. The Bank also agrees that the Purchaser at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the CONTRACTOR and notwithstanding any security or other guarantee that the Purchaser may have in relation to the CONTRACTOR's liabilities.

Notwithstanding anything contained herein above our liability under this Guarantee is restricted to Rs..... and it shall remain in force up to the including .....unless a written demand to enforce any claim under this Guarantee is lodged with us before expiry date, the Bank will be discharged from its liabilities under this Guarantee. This Guarantee shall be extended from time to time for such period or period as may be desired by the ..... On whose behalf this guarantee has been given.

Dates this.....day of .....20

At.....

.....

Signature

Banker's rubber stamp:





Name

Designation with  
Bank stamp:

Attorney as per power of  
Attorney No.

Dated:

Note:

- \* This sum shall be **Ten Percent (10%)** of the Order Price.
- \*\* The date will be the date of end of the Warranty period as specified in the order
- + In case of Foreign Bank Guarantees, the same shall be routed through their correspondent Bank in India.
- The stamp papers of appropriate value shall be purchased in the name of Guarantee issuing Bank.



### 3.0 **ANNEXURE - C**

#### **PROFORMA FOR BANK GUARANTEE FOR EMD**

(To be stamped in accordance with Stamp Act)

Ref .....

Bank Guarantee No.....

Date .....

Guarantee cover period: From .....To .....

To,

#### **M/s. GUJARAT INDUSTRIES POWER COMPANY LIMITED**

At & Post: Nani Naroli

Taluka: Mangrol

District: Surat

Pin code: 394 110

Dear Sirs,

In accordance with your “Invitation for Bids” under your Specification No..... dated.....M/s..... having its Registered /Head office at ..... (Herein after called the Bidder) wish to participate in the said bid for .....

As an irrevocable bank Guarantee against bid guarantee for an amount of ..... valid for one (1) year from ..... is required to be submitted by the Bidder as a condition precedent for participation in the said bid, which amount is liable to be forfeited on the happening of any contingencies mentioned in the Bid Documents.

We, the ..... Bank at ..... having our Head Office at (local address) ..... Guarantee and undertake to pay immediately on written demand by Gujarat Industries Power Company Limited (hereinafter called the “Purchaser”) (In figures) ..... (In words) ..... without any reservation, protest, demur and recourse. Any such demand made by said “Purchaser” shall be conclusive and binding on us irrespective of any dispute or difference raised by the bidder. It shall be conclusive and enough for enforcement of Bank Guarantee on the Bank if Purchaser invokes the Bank Guarantee stating only that the default has been committed by the bidder, thus far and no further.



This Guarantee shall be irrevocable and shall remain valid up to ..... if any further extension of this guarantee is required, the same shall be extended to such required period on receiving instructions from ..... On whose behalf the guarantee is issued.

In witness there of Bank, through its authorized Officer, has set its hand and stamp on this ..... Day of ..... 20 ..... at .....

.....  
(Signature)

.....  
(Name)

Designation with Bank stamp:

Attorney as per Power of  
Attorney No.

Dated .....

Notes:

1. The stamp papers of appropriate value shall be purchased in the Name of Guarantee Issuing Bank.
2. Bank Guarantee for EMD Validity period shall be 180 days.



#### 4.0 **ANNEXURE – D**

##### **Defect Liability Period along with the Max. Completion period**

Sr. No.	Description	Detailed Job to be performed	Defect Liability Period for the respective job	Maximum Completion Period
A	Bed Ash Conveying Blowers			
1	2W PM of Bed Ash Conveying Blower	Equipment Cleaning	2 Weeks	3 Hours
		Suction Filter Cleaning		
		Oil Level Checking		
		Belt Tightness Checking/Replace		
		Foundation Bolts Tightness		
2	4W PM of Bed Ash Conveying Blower	Equipment Cleaning	2 Weeks	6 Hours
		Suction Filter Cleaning		
		Oil Level Checking		
		Belt Tightness Checking/Replace		
		Foundation Bolts Tightness		
		Bearing Greasing	3 Weeks	
		Check NRV - Repair/Replace	4 Weeks	
		Check Alignment of drive		
		Replace Oil if Required		
3	24W PM of Bed Ash Conveying Blower	Equipment Cleaning	2 Weeks	24 Hours
		Suction Filter Cleaning		
		Oil Level Checking		
		Belt Tightness Checking/Replace		
		Foundation Bolts Tightness		
		Bearing Greasing	4 Weeks	
		Check NRV -Repair/Replace		
		Servicing of safety valve		



Sr. No.	Description	Detailed Job to be performed	Defect Liability Period for the respective job	Maximum Completion Period
		Check Alignment of drive	12 Weeks	
		Replace Oil if Required		
		Inspection of Condition of Gears		
		Clearance Checking/Adjusting & Internal Inspection	24 Weeks	
4	48W PM of Bed Ash Conveying Blower	Equipment Cleaning	2 Weeks	32 Hours
		Suction Filter Cleaning		
		Oil Level Checking		
		Belt Tightness Checking/Replace		
		Foundation Bolts Tightness		
		Bearing Greasing	4 Weeks	
		Check NRV - Repair/Replace		
		Servicing of safety valve		
		Check Alignment of drive	12 Weeks	
		Replace Oil if Required		
		Inspection of Condition of Gears		
		Clearance Checking/Adjusting & Internal Inspection	24 Weeks	
		Dismantling Bearings, Lobes, Replace if Required Refit	24 Weeks	
		Replace Vibration Pads if Required		
B	Bed Ash Conveying Lines			
1	PM of Bed Ash Conveying Line	Inspection of Disc , Seat & shaft of Top feeder valves-02 no, Bottom Feeder Valves-02 no, Purging valves-02 no, Vent valves-02 no, Replace if required	2 Weeks	4 Hours
		Cleaning of Silo selection valves		
		Leakage Attending If Any.		
		Clamps Tightening if required		
		Inspection of Conveying Butterfly valve & Repair if required		



Sr. No.	Description	Detailed Job to be performed	Defect Liability Period for the respective job	Maximum Completion Period
C	Bag Filters on BA Silo/ FA Silo			
1	48W PM of Bag Filter on BA Silo	Equipment cleaning		30 Hours
		Remove Top cover, Remove all venturies and all bags, Clean all bags, Replace damaged bags, Refit, Normalize	48 Weeks	
		Clean Pressure vacuum Relief valve, Adjust if required		
		Check Pulse jetting line for any abnormality		
D	Transport Air Compressors			
1	2W PM of Transport Air Compressors	Equipment Cleaning by diesel		4 Hours
		Oil Level Checking	2 Weeks	
		Arrest Leakage in Oil/Air line if any		
		Suction Filter cleaning		
		Cleaning of Drain valves		
		Foundation Bolts Tightness	2 Weeks	
2	8W PM of Transport Air Compressors	Equipment Cleaning by diesel		24 Hours
		Oil Level Checking	2 Weeks	
		Arrest Leakage in Oil/Air line if any		
		Suction Filter cleaning		
		Cleaning of Drain valves	2 Weeks	
		Foundation Bolts Tightness	4 Weeks	
		Servicing of HP & LP cylinder valves		
		Oil Filter Cleaning		
		Water Jacket Cleaning		
3	24W PM of Transport Air Compressors	Equipment Cleaning by diesel		64 Hours
		Oil Level Checking	2 Weeks	
		Arrest Leakage in Oil/Air line if any		
		Suction Filter cleaning		





Sr. No.	Description	Detailed Job to be performed	Defect Liability Period for the respective job	Maximum Completion Period
		Cleaning of Drain valves		
		Foundation Bolts Tightness	2 Weeks	
		Servicing of HP & LP cylinder valves	4 Weeks	
		Oil Filter Cleaning		
		Water Jacket Cleaning		
		Remove HP & LP pistons, Replace Piston rings	12 Weeks	
		Replace Wear rings if required		
		Clean Cylinder Liners		
		Set Clearance of Cylinders	12 Weeks	
		Replace Radial & Axial glands	4 Weeks	
		Remove Top cover		
		Flush Bearing Oil lines		
		Check Float of crankshaft	4 Weeks	
		Check Condition of Main Bearings, Replace if required	12 Weeks	
		Greasing of Main Plummer Block Bearings	4 Weeks	
		Inspect C-rod bearings, Cross head shoe assy./Replace if required		
		Inspection of Intercooler & After cooler for leakage		
		Check quality of oil, replace if required		
4	48W PM of Transport Air Compressors	Equipment Cleaning by diesel		80 Hours
		Oil Level Checking	2 Weeks	
		Arrest Leakage in Oil/Air line if any		
		Suction Filter cleaning		
		Cleaning of Drain valves		
		Foundation Bolts Tightness	2 Weeks	
		Servicing of HP & LP cylinder valves	4 Weeks	



Sr. No.	Description	Detailed Job to be performed	Defect Liability Period for the respective job	Maximum Completion Period
		Oil Filter Cleaning	2 Weeks	
		Water Jacket Cleaning	12 Weeks	
		Remove HP & LP pistons, Replace Piston rings		
		Replace Wear rings if required		
		Clean Cylinder Liners		
		Set Clearance of Cylinders	12 Weeks	
		Replace Radial & Axial glands	4 Weeks	
		Remove Top cover		
		Flush Bearing Oil lines		
		Check Float of crankshaft	4 Weeks	
		Check Condition of Main Bearings, Replace if required	12 Weeks	
		Greasing of Main Plummer Block Bearings	4 Weeks	
		Inspect C-rod bearings, Cross head shoe assy./Replace if required		
		Inspection of Intercooler & After cooler for leakage		
		Inspection of Oil cooler for leakage		
		Check quality of oil, replace if required		
5	PM of Screw compressor	Equipment Cleaning by diesel		4 Hours
		Oil Level Checking	2 Weeks	
		Arrest Leakage in Oil/Air line if any		
		Suction Filter cleaning		
		Cleaning of Drain valves		
		Foundation Bolts Tightness	2 Weeks	
E	Fly Ash Conveying Lines			
1	PM of Fly Ash Conveying Line	Check Disc, Seat Of Ash Intake Valves Of Corresponding Line,	4 Weeks	8 Hours
		Checking of vent valve if required		



Sr. No.	Description	Detailed Job to be performed	Defect Liability Period for the respective job	Maximum Completion Period
		Checking of purging & conveying valves		
		Cleaning Of Silo Selection Valves & Discharge Valves		
		Clamps Tightness Of Conveying Lines	4 Weeks	
		Leakage Attending If Any		
		Replace Gasket of Ash Intake Valve & Manual Isolation Valve If Required.	2 Weeks	
<b>F</b>	<b>Air Receiver</b>			
1	4W PM of Air dryer	Internal Inspection & Cleaning		4 Hours
		Drain valve/line choke removal/Replacement		
		Strainer cleaning		
		Oil Level Checking		
1	Air Receiver - 48W PM	Internal Inspection & Cleaning	4 Weeks	8 Hours
		Drain valve/line choke removal/Replacement		
		Outlet Valve Servicing		
		Air Filter At Pressure Regulator Cleaning/Replacement/servicing		
1	DPR filter - 48W PM	Internal Inspection & Cleaning		
		Drain valve/line choke removal/Replacement		
		Outlet Valve Servicing		
		Air Filter At Pressure Regulator Cleaning/Replacement/servicing		
<b>G</b>	<b>ESP &amp; Silo Fluidizing Blowers</b>			
1	ESP/Silo Flu. Blower-2W PM	Equipment Cleaning		2 Hours
		Suction Filter Cleaning		
		Oil Level Checking	2 Weeks	
		Belt Tightness Checking/Replace		
		Foundation Bolts Tightness		
2	ESP/Silo Flu.	Suction Filter Cleaning		2 Hours



Sr. No.	Description	Detailed Job to be performed	Defect Liability Period for the respective job	Maximum Completion Period	
3	Blower-4W PM	Oil Level Checking		16 Hours	
		Belt Tightness Checking/Replace			
		Foundation Bolts Tightness			
		Bearing Greasing	4 Weeks		
		Check NRV -Repair/Replace			
		Check Alignment of drive			
		Replace Oil if Required	2 Weeks		
	ESP/Silo Flu. Blower-24W PM	Suction Filter Cleaning			2 Weeks
		Oil Level Checking			
		Belt Tightness Checking/Replace			
		Foundation Bolts Tightness			
		Bearing Greasing	4 Weeks		
		Check NRV -Repair/Replace			
		Check Alignment of drive			
		Replace Oil if Required	2 Weeks		
		Inspection of Condition of Gears	12 Weeks		
		Clearance Checking & Internal Inspection	24 Weeks		
4	ESP/Silo Flu. Blower-48W PM	Suction Filter Cleaning	2 Weeks	24 Hours	
		Oil Level Checking			
		Belt Tightness Checking/Replace			
		Foundation Bolts Tightness			
		Bearing Greasing	4 Weeks		
		Check NRV -Repair/Replace			
		Check Alignment of drive			
		Replace Oil if Required	2 Weeks		
		Inspection of Condition of Gears	12 Weeks		



Sr. No.	Description	Detailed Job to be performed	Defect Liability Period for the respective job	Maximum Completion Period	
		Clearance Checking & Internal Inspection	24 Weeks		
		Dismantling Bearings, Lobes, Replace if Required Refit			
		Replace Vibration Pads if Required			
H	Fluidizing air Lines				
1	ESP Fluidizing air Lines-48W PM	Flushing of all lines	4 Weeks	32 Hours	
		Remove chock up if any			
		Attending leakage if any			
		Replace hose if damaged			
		Replace/clean flu. cloth			
		Replace Flu.box gasket if required			
2	Fluidizing air Lines OF Fly Ash Silo.-48W PM	Flushing of all lines			24 Hours
		Remove chock up if any			
		Attending leakage if any			
		Replace hose if damaged			
		Replace/clean flu. Cloth			
		Replace Flu. box gasket if required			
		Replace Flu. pad if required			
I	Rotary Vane Feeders				
1	Rotary Vane Feeder-4W	Equipment Cleaning		3 Hours	
		Remove chock up if any			
		Attend leakage if any including KGVs	2 Weeks		
		Check condition of blade tips, Replace if required	4 Weeks		
		Bearing greasing	2 Weeks		
		KGV cleaning			
		Oil Level & condition Checking, Replace if required			



Sr. No.	Description	Detailed Job to be performed	Defect Liability Period for the respective job	Maximum Completion Period
		Checking of coupling spider condition, Replace if required	8 Weeks	
2	Rotary Vane Feeder - 48W	Equipment Cleaning		16 Hours
		Remove chock up if any		
		Attend leakage if any including KGVs	2 Weeks	
		Check condition of blade tips, Replace if required	4 Weeks	
		Bearing greasing	2 Weeks	
		KGV cleaning		
		Oil Level & condition Checking, Replace if required		
		Checking of coupling spider condition, Replace if required	8 Weeks	
		Dismantle feeder, Check clearance of blade tips, Change/Set if required	12 Weeks	
J	Dust Conditioners			
1	Dust conditioner- 2W	Internal cleaning	2 Weeks	4 Hours
		Nozzle cleaning		
		Oil level & condition Checking, Replace if required		
		Support tightening		
2	Dust conditioner- 4W	Internal cleaning	2 Weeks	
		Nozzle cleaning		
		Support tightening		
		Oil level & condition Checking, Replace if required		
		Bearing Greasing	4 Weeks	
3	Dust conditioners- 48W	Internal cleaning	1 Week	24 Hours
		Nozzle cleaning		
		Bearing Greasing (Alternatively)	2 Week	
		Oil level & condition Checking, Replace if required	4 Weeks	



Sr. No.	Description	Detailed Job to be performed	Defect Liability Period for the respective job	Maximum Completion Period
		Support tightening	8 Weeks	
		Alignment checking	12 Weeks	
		Bearing condition & Clearance inspection, Replace if required	24 Weeks	
<b>K</b>	<b>Cooling water pump, Seal water pump, Sump pump</b>			
1	Water pump (Seal Water pump / Sump pump) - 4W	Equipment Cleaning		
		Gland leakage attending	2 Weeks	
		Attend leakage if any		
		Valve spindle greasing		3 Hours
		NRV checking/Repairing		
		Foundation bolt tightening	4 Weeks	
		Strainer cleaning		
2	Water pump (Seal Water pump / Sump pump) - 24W	Equipment Cleaning		
		Gland leakage attending	2 Weeks	
		Attend leakage if any		
		Valve spindle greasing		
		NRV checking		6 Hours
		Strainer cleaning	4 Weeks	
		Foundation bolt tightening		
		Alignment checking	12 Weeks	
		Impeller Inspection & replacement if required		
3	Water pump (Seal Water pump / Sump pump) - 48W	Equipment Cleaning		
		Gland leakage attending	2 Weeks	
		Attend leakage if any		
		Valve spindle greasing		12 Hours
		NRV checking	4 Weeks	
		Strainer cleaning		





Sr. No.	Description	Detailed Job to be performed	Defect Liability Period for the respective job	Maximum Completion Period	
		Foundation bolt tightening	12 Weeks		
		Alignment checking			
		Impeller Inspection			
		bearing inspection	24 Weeks		
		Shaft with sleeves Inspection	48 Weeks		
		Replace any spare if required			
L	Silo Equipments				
1	4W PM of Vent fan on silo top	Equipment Cleaning	4 Weeks	4 Hours	
		Internal Cleaning			
		Impeller Inspection if required			
		Belt Tightness Checking/Replace			
		Foundation Bolts Tightness			
2	48W PM of Vent fan on silo top	Equipment Cleaning	4 Weeks	8 Hours	
		Internal Cleaning			
		Impeller Inspection if required			
		Belt Tightness Checking/Replace			
		Foundation Bolts Tightness			
		Internal clearance checking/Adjusting if required	24 Weeks		
		Impeller inspection			
3	4W PM of Orifice Feeder	Equipment cleaning	1 Week	4 Hours	
		inspection of seat, gate & flu. stone			
		Other activities as per requirement			
4	PM of Solid Flow meter	Internal & external Cleaning	1 Week		
		Adjustment of any internal part if required			
		Leakage attending if any			



## 5.0 ANNEXURE - E

### PERFORMA CERTIFICATE

(No claim, No arbitration)

To,  
Addl. General Manager (SLPP)  
Gujarat Industries Power Company Limited,  
Surat Lignite Power Plant,  
Village: Nani Naroli, Ta. Mangrol,  
Dist. Surat – 394110 (Gujarat).

Dear Sir,

**Subject:** \_\_\_\_\_

**Ref:** Work Order No.: \_\_\_\_\_ dated \_\_\_\_\_

We hereby confirm with free consent as under:-

1. The measurements certified in final bill are full and final. We accept all the certified measurements and no claim related to the measurement is left.
2. The payment certified in that or above referred Lol / contract is full and final. We accept this, and no claim related to payment is left.
3. The rates of the Lol / contract and its amendments are firm till completion of contract and extension period. We shall not claim any escalation against these rates.
4. Along with the contract referred, the ARBITRATION CLAUSE also perishes i.e. we will not resort to arbitration.
5. No extra items are left to be settled.
6. We do not have any claims against any item related to the Lol than those items certified in the bills.
7. We are accepting the recoveries or hold amount from our bills, if any, made by GIPCL against non compliance or as decided by GIPCL within terms & conditions of contract.
8. We have paid royalties, taxes for all the materials procured by us, for carrying out the works for above Lol and we indemnify GIPCL from any liability arising thereof.
9. In case of any disputes arising in future related to payment of royalties, all liabilities of settlement of dispute and its payment if any, will be borne by us.
10. We have paid wages to all the workmen who were deployed by us for carrying out above referred work as per prevailing Minimum wages act. We have also fulfilled all requirements of the P.F. Act. We have maintained all records necessary as per the statutory requirements. We hereby indemnify GIPCL from any disputes arising in future related to payment of labours, Provident Fund, etc.. and confirm that all liabilities of settlements of disputes and their payment is our responsibility.

The above confirmation will come into effect as soon as payment from final bill after due recoveries will be received by us.

For, M/s \_\_\_\_\_

Signature, Stamp and date



## 6.0 **FORM – A**

### **List of qualifying staff to be submitted with physical documents**

<b>Sr. No.</b>	<b>Location</b>	<b>Minimum Educational Qualification / minimum required Experience</b>
<b>HANDLING (OPERATION)</b>		
1	Shift In-charge (in Control room)	Diploma in Mechanical / Electrical / Control and Instrumentation Engineering with Minimum 2 years of relevant experience in Power plant or Process Plant
2	Mechanical Field Operators and MCC Operators	I.T.I. in Mechanical / Electrical / Control & Instrumentation with Minimum 2 years of relevant experience in Power plant or Process plant as per required locations.
3	Operators for AHS Weighbridge	Minimum required Literacy level for reading, writing and speaking of English / Hindi / Gujarati language and having minimum 2 years of industrial experience along with basic Computer operating knowledge.
4	Operator for Road Seeping Machine	Minimum required Literacy level for reading, writing and speaking of English / Hindi / Gujarati language and having minimum 2 years of industrial experience of Driving an LMV vehicle and shall have a valid Driving license.
<b>MECHANICAL MAINTENANCE</b>		
1	Maintenance Engineer	Diploma / B.E in Mechanical with minimum 2 years of experience in a Power plant <u>or</u> a Process plant
2	Fitter / Welder	I.T.I. in Mechanical with minimum 2 years of relevant industrial experience.
3	Semi skilled workmen	8 <sup>th</sup> – 10 <sup>th</sup> Pass with 2 years of relevant industrial experience.
4	Un-skilled workmen	8 <sup>th</sup> – 10 <sup>th</sup> Pass with 2 years of relevant industrial experience.
<b>HOUSEKEEPING</b>		
1	Site Supervisor	Shall have hands-on experience in Industrial atmosphere of administration and control of minimum 30 workmen
2	Un-skilled workmen	8 <sup>th</sup> – 10 <sup>th</sup> Pass with 2 years of industrial experience
<b>GENERAL</b>		
1	Site In-charge	Shall be qualified and holding a Degree in B.E. / B. Tech. in any relevant discipline and having hands-on industrial experience of Administration and Control of minimum 60 workmen



2	Store keeper / Time keeper	Shall have Industrial exposure and relevant experience with adequate literacy.
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<b>MANPOWER REQUIREMENT: HANDLING (Operation) (Location wise)</b> <i>(in line with the described Scope of Work in Section – D for the respective location)</i>				
Sr. No.	Location	Proposed Manpower	Shift wise requirement	Minimum Educational Qualification required for corresponding workmen
1	Shift In-charge	4	One (1) each in all (3) Shifts + 1 Off / Leave Reliever	As per Form – A above
2	MCC Operator	4	One (1) each in all (3) Shifts + 1 Off / Leave Reliever	
3	Operator for Control room/ Compressor/Pump House and Blower Rooms	3	One (1) each in Two (2) Shifts i.e. Morning (A) & Evening (B) + 1 Off / Leave Relievers	
4	Operator for ESPs of Unit- 1, 2, 3, 4	5	One (1) each in all (3) Shifts + 2 Off / Leave Reliever	
5	Operator for Fly Ash Silo- 3 & 4	3	One (1) each in Two (2) Shifts i.e. Morning (A) & Evening (B) + 1 Off / Leave Reliever	
6	Operator for Bed Ash Silo – 1, 2, 3 & 4	1	One (1) in General Shift	
7	Operator for AHS Weighbridge	3	One (1) each in Two (2) Shifts i.e. Morning (A) & Evening (B) + 1 Off / Leave Reliever	



<b>MANPOWER REQUIREMENT: HANDLING (Operation) (Location wise)</b> (in line with the described Scope of Work in Section – D for the respective location)				
8	<b>Operator for Road Sweeping Machine</b>	1	One (1) in General Shift	
<b>TOTAL</b>		<b>24</b>		

<b>MANPOWER REQUIREMENT (minimum): MECHANICAL MAINTENANCE</b>				
<b>Sr. No.</b>	<b>Manpower Description</b>	<b>Proposed Manpower</b>	<b>Shift wise requirement</b>	<b>Minimum Educational Qualification required for corresponding workmen</b>
1	Maintenance Engineer (He shall be responsible for formation of <i>gangs</i> amongst workmen present, assigning proper permits, Supervision and other activities in regards of Manpower management)	2	<b>One (1) each</b> in General Shift + <b>1 Off/ Leave Reliever</b> and for Extended duty in General Shift	<b>As per Form – A above</b>
2	Skilled workmen	1		
3	Semi-skilled workmen	3		
4	Un-skilled workmen	13		
<b>TOTAL FOR MECH. MAINT.</b>		<b>19</b>		

<b>MANPOWER REQUIREMENT: HOUSEKEEPING</b>				
<b>Sr. No.</b>	<b>Manpower Description</b>	<b>Proposed Manpower</b>	<b>Shift wise requirement</b>	<b>Minimum Educational Qualification required for corresponding workmen</b>
1	Housekeeping Supervisor	1	<b>One</b> in General Shift	<b>As per Form – A above</b>
2	Un-skilled workmen (deployment for AHS Housekeeping)	11	General Shift	



<b>MANPOWER REQUIREMENT: HOUSEKEEPING</b>				
<b>Sr. No.</b>	<b>Manpower Description</b>	<b>Proposed Manpower</b>	<b>Shift wise requirement</b>	<b>Minimum Educational Qualification required for corresponding workmen</b>
3	Un-skilled workmen (deployment for Boiler Operation)	14	<b>One</b> each per Unit in all three shifts (Total 12 Nos.) + 2 Nos. shift Relievers	
<b>TOTAL FOR HOUSEKEEPING</b>		<b>26</b>		

<b>GENERAL AND ADMINISTRATIVE WORKS</b>				
<b>Sr. No.</b>	<b>Manpower Description</b>	<b>Proposed Manpower</b>	<b>Shift wise requirement</b>	<b>Minimum Educational Qualification required for corresponding workmen</b>
1	Site-In-charge	1	One (1) in <b>General</b> shift	<b>As per Form – A above</b>
2	Store keeper / Time keeper	1	One (1) in <b>General</b> shift	
<b>TOTAL FOR GENERAL AND ADMINISTRATIVE WORKS</b>		<b>2</b>		

Contractor / Authorized Representative's Signature:

Company / Organization Seal & Date

Note: Form - A of Bid without price shall be submitted with Part - I



## 7.0 FORM – B

List of Tools & Tackles to be submitted with physical documents

### • HANDLING AND MAINTENANCE

Sr. No.	Item Description	Sub header	UOM	Quantity
1	Utility knife		No.	10
2	Screw driver 12", 24"		No.	6
3	Combination Pliers		No.	10
4	Box Spanner set		Set	2
5	Allen Key Set (mm)	mm	No.	6
		inch		6
6	Circlip Pliers , with dip coated sleeve	Outer	No.	6
		Inner	No.	6
7	Centre Punch (8 mm ,12 mm)		No.	6
8	Chisel	Small	No.	3
		Big		6
		Medium		3
9	Screw Spanner	205mm	No.	9
		305mm		9
10	Spanner	8 x 9 Fix	No.	6
		8 x 9 Ring		6
		10 x11 Fix		6
		10 x 11 Ring		6
		12 x 13 Fix		12
		12 x 13 Ring		12
		14 x 15 Fix		6
		14 x 15 Ring		6
		16 x 17 Fix		10
		16 x 17 Ring		10
		18 x 19 Fix		6
		18 x 19 Ring		6
		20 x 22 Fix		6
		20 x 22 Ring		6
		21 x 23 Fix		6
		21 x 23 Ring		6
		24 x 26 Fix		6
		24 x 26 Ring		6
		24 x 27 Fix		6





Sr. No.	Item Description	Sub header	UOM	Quantity
		24 x 27 Ring		6
		25 x 28 Fix		6
		25 x 28 Ring		6
		30 x 32 Fix		6
		30 x 32 Ring		6
		32 x 36 Fix		6
		32 x 36 Ring		6
		34 x 38 Ring		2
		34 x 38 Fix		2
		41 x 46 Fix		3
		41 x 46 Ring		3
		46 x 50 Fix		3
		46 x 50 Ring		1
11	Tester		No.	40
12	Sledge Hammer 800 Gram		No.	6
13	Half round file	Smooth	No.	6
		Rough		6
14	Flat File	Rough	No.	6
15	Round File	Rough	No.	6
16	Wire Brush (as per requirement)		No.	12
17	Hollow leather Punch	8 mm	No.	6
		10mm		6
		12 mm		6
		16 mm		6
		18 mm		6
		20 mm		3
		24 mm		3
		30 mm		3
18	Lock (small)		No.	6
19	Shim cutter		No.	2
20	Hacksaw Blade		No.	6
21	Hacksaw Frame			
22	Electrician Screw driver		No.	4
23	Pipe Wrench	14 "	No.	2
		18 "		2
		24 "		3
24	Nose Pliers		No.	3
25	Filler Gauge	Small 4"	No.	2
		Big 12"		2
26	Measuring tape	3 Meter	No.	5



Sr. No.	Item Description	Sub header	UOM	Quantity
		5 Meter		5
27	Hammering/Slogging Spanner (open Ended & Ring type)	30 mm(R)	No.	2
		32 mm ( R)		2
		34 mm(R)		2
		36 mm(R)		2
		38 mm ( R)		2
		46 mm (Ring)		2
		55 mm (Ring)		1
		65 mm (Ring)		1
		75 mm (open)		1
28	Grease Gun 500 Gram		No.	3
29	Emery Stone		No.	2
30	Welding machine with ELCB fitted of 30 amp	Transformer	No.	3
		Rectifier		1
31	Portable welding machine (single phase)		No.	1
32	Welding lead	10 meter	No.	3
		40 meter	No.	1
33	Welding lead Lug		No.	20
34	Welding machine Receptacle socket (as per site condition)		No.	4
35	Dial gauge make:-Becker		No.	3
36	Magnetic Stand		No.	1
37	Vernier Calliper (with dial gauge)		No.	2
38	Micrometer		No.	2
39	Screw driver	937 number	No.	3
		Square		3
40	Needle file		Set	1
41	Bearing puller		No.	1
42	Spirit level with magnet		No.	1
43	Oxygen regulator with two regulator		No.	3
44	Acetylene regulator with two regulator		No.	3
45	Divider (big and small)		No.	4
46	Right angle		No.	9
47	Cutting wheel		No.	6
48	Cylinder key		No.	6
49	Chain pulley block,1 MT, 5 meter		No.	1
50	Chain Pulley block, 2 MT, 10 meter		No.	2
51	Chain pulley block, 2 MT, 20 meter		No.	1



Sr. No.	Item Description	Sub header	UOM	Quantity
52	Wire Rope sling (capacity 2 MT, 2 Meter long)		No.	1
53	Wire Rope sling (3 meter long, 5 MT)		No.	1
54	Nylon Webbing sling, 2 MT		No.	2
55	Oil can, capacity 10 liter		No.	2
56	Box spanner 13 mm		No.	6
57	Box spanner 16, 17 mm		No.	6
58	Box spanner 36 mm		No.	1
59	Flexible grinder FF2		No.	1
60	Hydraulic Jack, 10 MT and tank, As per Requirement		No.	1
61	Tool bag		No.	6
62	Hand Torch (Large)		No.	6
63	Nylon Lifting sling (5 MT)		No.	2
64	D shackle (2 MT, Big)		No.	2
65	D shackle (5 MT)		No.	4
66	Hammer 8.5 Kg		No.	1
67	Drill machine (as per Requirement)		No.	1
68	Grinding machine AG 4 or AG 5 (As per Requirement)		No.	1
69	Cutting torch		No.	3
70	Cutting set with DA and oxygen flash back arrestor	10 meter	No.	2
		40 meter	No.	1
71	Extension board with cable single	25 meter	No.	1
72	Short cable Copper	3 meter	No.	3
73	Ball peen hammer 700 gram		No.	6
74	Tool Box		No.	6
75	Cutting set trolley		No.	2
76	Rope Pulley		No.	1
77	Rope for Material lifting (capacity such as to lift 1 - 2 MT load) Manila rope or polyamide rope	60 meter	Meter	1
78	PVC hose pipe for Air line	10 meter	Meter	4
		20 Meter	Meter	1
79	Aligning Thread	10 meter	Meter	2

- Minimum Qty. of various Consumables for day to day use of H&M activities shall be maintained at Site as per the Clause No. 20 – B of SECTION - A above



## • **HOUSEKEEPING**

### **Tools and Tackles**

Sr. No.	Item description	UOM	Quantity for One year	Quantity for Two year
1	Spade	No	24	48
2	Tagadi	No	20	40
3	Hand lamp with extension board	No	2	4
4	Emergency light	No	2	4
5	Water hose with fittings (63 mm dia. x 15 mtr. long) with nozzle	No	10	20
6	Trikam		2.5	5
7	Hammer (3 to 5 kg)	No	2.5	5
8	Hose Pipe for cleaning with the help of Air (approx. 1/4" NPT)	Meter	25	50
9	Cotton Rope (approx. 25 mm dia.)	Meter	25	50

### **Consumables**

Sr. No.	Item description	UOM	Quantity for One year	Quantity for Two year
1	Detergent Powder	Kg	5	10
2	Bucket	No	12	24
3	Dust bin	No	6	12
4	Road sweeping Brush	No	50	100
5	Broom ( <i>Jhaadu</i> )	No	350	700
6	Phenyl liquid	Liter	120	240
7	Harpic toilet cleaner	Liter	10	20
8	Naphtha balls	Packet	12	24
9	Odonil Tablet (for air freshening)	Packet	50	100
10	Yellow duster cloth	Piece	100	200
11	Soap (Nirma/Lifebuoy) for hand wash	Piece	125	250
12	Auto scrubber liquid	Liter	1	2
13	Air Freshener Spray bottle 250 ml. (Preferable Make: Odonil)	Nos.	25	50

Tender Document for “Surat Lignite Power Plant – 4x125 MW, Unit: 1 to 4: Bi-Annual Rate Contract (BRC) for Handling, Mechanical Maintenance and Housekeeping of Ash Handling System, Contract Period: 2017-19”. Tender Ref. No.: SLPP/AHS/H&M-HK/2017-19.



Note:

1. Contractor has to ensure the availability of the above at any time.
2. Above items are tentative. Whatever tools required for Good Housekeeping of system shall be arranged by Contractor at their cost.

Contractor / Authorized Representative's Signature:

Company / Organization Seal & Date

Note: Form - B of Bid without price shall be submitted with Part - I



## 8.0 ANNEXURE – G

### SCHEDULE OF DEVIATION FROM GENERAL AND TECHNICAL SPECIFICATIONS

All the deviations from the general and technical specifications shall be filled by BIDDER clause by clause in this schedule.

Sr. No.	SECTION	CLAUSE No.	AS PER TENDER DOCUMENT	DEVIATION

The Bidder here by certifies that the above mentioned are the only deviations from OWNER’s General/ Technical Conditions of this enquiry. The bidder further confirms that in the events any other data and information presented in the BIDDER’s proposal and accompanying documents are at variance with specific requirements laid out in the OWNER’s General /Technical Specifications, then the latter shall govern and will be binding on the BIDDER for quoted price.

**Company’s Seal**

**Signature .....**

**Name .....**

**Designation .....**

**Company .....**

**Date .....**