

E-Tender for "Surat Lignite Power Plant - 4X125 MW, Unit # I to IV: Industrial Painting Works of various plant structures & equipments of LLHS, AHS, chimney, Lignite Bunker Building, ESP Structure, Boiler equipments, Electrical equipments, TG & BOP Structures, Civil Structures, buildings and Colony quarters & infrastructure etc." Bid No.: SLPP/Civil/Industrial & Civil Painting/2017-18/



**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 DOCUMENTS FOR;

*Surat Lignite Power Plant - 4X125 MW, Unit # I to IV:  
"Industrial Painting Works of various plant structures &  
equipments of LLHS, AHS, Chimney, Lignite Bunker  
Building, ESP Structure, Boiler equipments, Electrical  
equipments, TG & BOP Structures, Civil Structures,  
buildings and Colony quarters & infrastructure, etc."*

***Bid No.: SLPP/Civil/Industrial & Civil Painting/2017-18***



**VOLUME I**  
**INSTRUCTIONS TO BIDDERS & CONDITIONS OF**  
**CONTRACT**



## INDEX

<u>Sr. No.</u>	<u>PARTICULARS</u>	<u>PAGE NO.</u>	
		<u>From</u>	<u>To</u>
(1)	<b><u>NOTICE INVITING TENDER (NIT)</u></b>	<b>3</b>	<b>4</b>
(2)	<b><u>SECTION – A</u> (Instructions to Bidders)</b>	<b>5</b>	<b>20</b>
(3)	<b><u>SECTION – B</u> (Instructions to Bidders for online tendering)</b>	<b>21</b>	<b>21</b>
(4)	<b><u>SECTION – C</u> (General Conditions of Contract)</b>	<b>22</b>	<b>36</b>
(5)	<b><u>SECTION – D</u> (Special Conditions of Contract)</b>	<b>37</b>	<b>56</b>
(6)	<b><u>SECTION – E</u> (Schedule of Quantities and Rates-Package I to VIII)</b>	<b>57</b>	<b>86</b>
(7)	<b><u>SECTION – F</u> (Annexures and Forms)</b>	<b>87</b>	<b>96</b>

**NOTE: All the Bidders should study entire Tender documents 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/Civil/Industrial & Civil Painting/2017-18**

Name of work	Surat Lignite Power Plant - 4X125 MW, Unit # I to IV: Industrial Painting Works of various plant structures & equipments of LLHS, AHS, Chimney, Lignite Bunker Building, ESP Structure, Boiler equipments, Electrical equipments, TG & BOP Structures, Civil Structures, buildings and Colony quarters and infrastructure, etc..
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 package wise BOQs.
Contract period	15 Months.
EMD	Rs. 2,79,000/- (Rupees Two Lakh Seventy Nine Thousand only) by Demand Draft payable at Mosali-Surat/Nani Naroli/Surat or Bank Guarantee in favor of GIPCL from approved Banks mentioned in this tender in subsequent clauses.
Cost of tender document / tender fee	Rs. 4,000/- (Rupees Four Thousand only-Non-refundable) by Demand Draft in favor of GIPCL payable at Motamiya-Mangrol or Nani Naroli.
Pre Bid meeting	On 16.12.2016, 15:30 hrs. at office of GIPCL-Surat Lignite Power Plant, Village: Nani Naroli, Ta. Mangrol, Dist. Surat.
Availability of online e-Tender document	On web site <a href="https://www.nprocure.com">https://www.nprocure.com</a> or <a href="https://gipcl.nprocure.com">https://gipcl.nprocure.com</a> up to 30.12.2016, 16:30 hrs.
Last date of online submission of offer	30.12.2016 up to 17:00 hrs. on website: <a href="https://www.nprocure.com">https://www.nprocure.com</a> or <a href="https://gipcl.nprocure.com">https://gipcl.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 hrs. during working days 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 in 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 the website <https://www.nprocure.com> or <https://gipcl.nprocure.com>

E-Tender for "Surat Lignite Power Plant - 4X125 MW, Unit # I to IV: Industrial Painting Works of various plant structures & equipments of LLHS, AHS, chimney, Lignite Bunker Building, ESP Structure, Boiler equipments, Electrical equipments, TG & BOP Structures, Civil Structures, buildings and Colony quarters & infrastructure etc." Bid No.: SLPP/Civil/Industrial & Civil Painting/2017-18/



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: slppcivil@gipcl.com



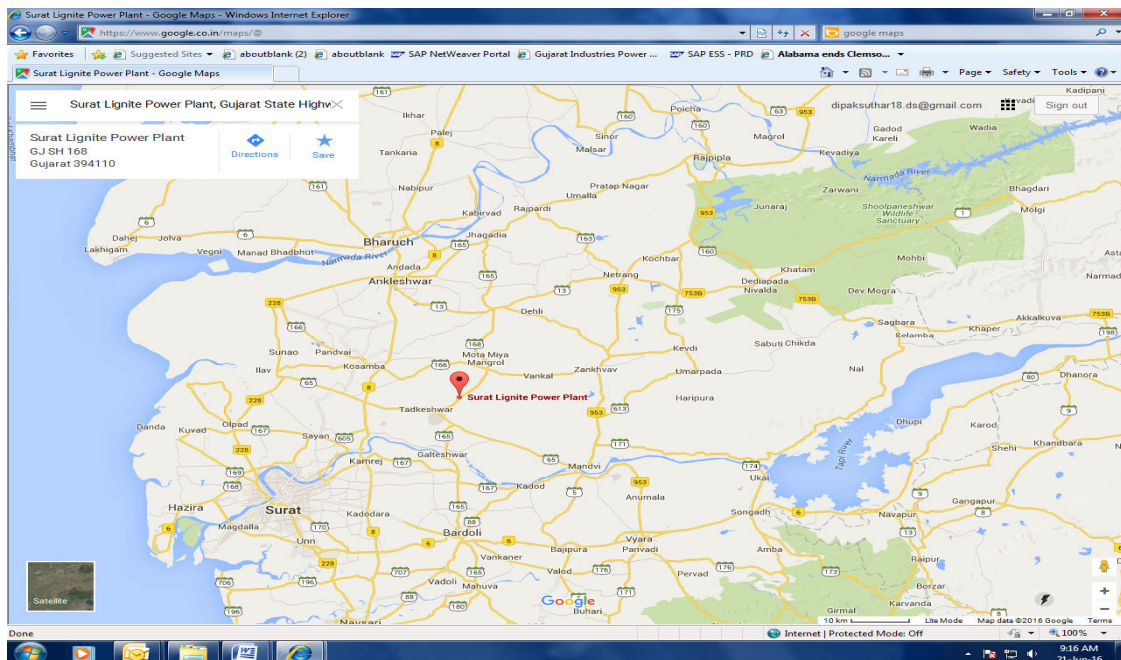
## SECTION-A INSTRUCTIONS TO BIDDERS

### 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 Lol (Letter of Intent) for 26 MW and 71.40 MW Wind Energy Farm Projects. GIPCL has commissioned 1MW 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 capacity 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-Ahmedabad 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 Rate Contract for Industrial painting of various plant structures & equipments of LLHS, AHS, Chimney, Lignite bunker building, ESP Structure, Boiler equipments, Electrical equipments, TG & BOP Structures, Civil structures, buildings in plant, Colony quarters and infrastructure, etc...at SLPP and is therefore inviting open tenders online (n-procure web site) from experienced & resourceful contractors.**

## **2. SCOPE OF WORK**

- 2.1 The scope of work covers painting of various plant structures and equipments of Lignite and Limes stone Handling System (LLHS), Ash Handling System (AHS), Chimney, Lignite bunker building, ESP Structure, Boiler equipments, Electrical equipments, TG and BOP Structures, Civil buildings/sheds in power plant, solar plant, mines area and colony quarters and infrastructure etc.. area including manpower, materials, tools, tackles, equipments, safety at work site.
- 2.2 The detail scope of work is mentioned in clause no. 1 of enclosed Section-D (Special Conditions of Contract).

The technical activity estimate sheet is given in enclosed Section-E as under:

<b>Sr. No.</b>	<b>Package Detail</b>
1	Lignite & Limestone Handling System area (Package-A)
2	Ash Handling System area (Package-B)
3	Boiler (Package-C)
4	TG & BoP (Package-D)
5	Electrical (Package-E)
6	Civil - Structural steel (Package-F)
7	Civil - Plant Building & Infrastructure (Package-G)
8	Civil - Colony Quarters & Infrastructure (Package-H)

- 2.3 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.
- 2.4 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 fixed quantities for some packages and approximate quantities for some packages as already mentioned in item description during the contract period.
- 2.5 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 documents.
- 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, Quantity specified for each individual structures, 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 % above, equal or below SoR, 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 Bidder has to quote for all the packages of Price Bid. However, GIPCL reserves the rights to allot all packages to a single Bidder or GIPCL may split the contract between more than one bidder, for individual package wise work separately, as it may deem appropriate. In case of splitting of the contract between more than two parties, the L2 Bidder shall match the rate with L1 Bidder in case if L2 bidder's quoted rate for individual package selected for splitting is higher than L1 bidder's quoted rate.
  - 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 documents 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 tender copy from website: <https://www.nprocure.com> or <https://gipcl.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, height of structure, quantity assessment of individual structures, temperature, 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/Nallah, the type and number of equipment, scaffolding materials 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 will be adopted for qualifying the Bidders for consideration of the Bid for the further proceeding.

- 5.1 Bidder should possess minimum Three years of experience out of last five years (as per following Cl. No.5.2) in similar nature of painting jobs like industrial structural painting in Power Plants / Process Industries 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 and 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 **Rs. 1.67 Crore.**

**OR**

b) Two similar completed works each costing not less than the amount equal to **Rs. 1.12 Crore.**

**OR**

c) Three similar completed works each costing not less than the amount equal to **Rs. 83.64 Lakh.**

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** Contractor 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 & seal on each & every page shall be submitted. The above documents will be analyzed and after satisfaction, the Price Bid will be open. GIPCL may verify the documents, experience certificates issued by concern 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 minimum annual turnover of **Rs. 83.64 Lakh** 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 guideline 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 seven 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 prequalification 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 Bidder. GIPCL reserves the right to accept/split/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.



**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 Rs. 2,79,000/- (Rupees Two Lakh Seventy Nine Thousand only) and Non-refundable Tender fee Rs. 4,000/- (Rupees Four Thousand only) shall accompany with Bid. The EMD & Tender fee shall be in the form of a crossed bank Demand Draft in favor 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 banks	Surat

8.2 The EMD, in alternative, may be submitted in the form of irrevocable Bank Guarantee in favor 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 Vyasya Bank or The Kalapur 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 6.9.

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**

<p>EMD &amp; Tender fee and other documents to be submitted in physical form <b>within three working days</b> after due date of closing of the tender</p>	<p>Address for Submission:  <b>Addl. General Manager (SLPP)</b>  <b>GUJARAT INDUSTRIES POWER CO. LTD.,</b>  <b>(Surat Lignite Power Plant)</b>  <b>Village: Nani Naroli, Taluka: Mangrol, District: Surat.</b>  <b>PIN: 394 110, Gujarat. 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 at the <https://www.nprocure.com> or <https://qipcl.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-F) 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 documents 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. Percentage Rate Price Bid shall be submitted online only.  
**Note: Estimate includes cost of all manpower, materials, equipments, consumables, tools & tackles, scaffolding, Safety, legal & 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 %age. i.e. "At Estimated Value OR %age below the estimated value OR %age above the estimated value in online Price Bid only."**



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.

**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 authorised partners or other authorised 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 authorised 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.

- 13.2.2 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 documents.
- 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 will be for a period of 15 (fifteen) months from the date of actual commencement of operation of the contract as stated in the Special Conditions of Contract ('Contract Period').
- 17.2 GIPCL reserves the right to extend the Contract Period appropriately (if given scope of work not completed) on the same rates, terms and conditions without any price escalation and entering into any new contract.

**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 ten percent (**10%**) of the "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 Kalapur 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 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 defect liability period of twelve 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 (initial security deposit) will be returned to the Vendor/Contractor without any interest at the end of the 'Defect Liability Period' after completion of contract and on fulfilling contractual obligations throughout this 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/labor 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/labor 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/labor with safety equipment like safety helmets, safety belt, fall arrestors, 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 (standard approved ISI make)
  - b) Safety helmet (standard approved ISI make in yellow colour only)
  - c) Safety Goggles / face shield.
  - d) Ear plug / Ear muff.





- e) Hand gloves like electrical hand gloves / cotton hand gloves / Chemical hand gloves.
- f) Safety belt.
- (vi) Contractor shall nominate /authorize senior experienced person in writing as site-in-charge to co-ordinate with GIPCL 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 a supervisor who shall co-ordinate with GIPCL's Engineer-In-Charge for daily entrusted job. They have to maintain daily records dully 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. Contractor shall responsible to carry out work as per schedule of work planning to complete scope of work in given contract period.
- (ix) During emergency or similar situations the Contractor shall be required to mobilize resources as per need within the period of 04 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) **Important Note: Whenever any of the Unit at SLPP remains under outage due to any reason and require emergency painting work, the contractor shall mobilize sufficient work force at site within a period of twelve hours from the time of intimation to the site-in-charge or via mail to your office.**
- (xi) During working in high risk area like hot lines of steam/water/oil, the workman must wear a suitable safety apron, safety belt, safety hand gloves & goggles. It is the contractor's/his supervisor's responsibilities to ensure it without fail.
- (xii) 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 with independent manpower. Contractor should not continue the same manpower for more than 12 hours.

**B: TOOLS & TACKLES:**

- (i) All tools and tackles required to execute the contract are in the scope of the contractor. The contractor should ensure that tools and tackles are in healthy & working condition. All consumable items would be in the scope of the contractor.

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



- (ii) For proper execution of the work as per the scope, the contractor is required to maintain sufficient quantity of tools & tackles, equipments, scaffolding materials in good working condition at site as per day to day work load and emergency situations to complete the work in stipulated time.
- (iii) In case of breakdown of equipment, the contractor should work round the clock for putting back the area 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.
- (iv) 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. The contractor has to take prior approval for taking electrical power supply. The contractor should keep hand lamps of 24Volt for confined space and sufficient quantity of 240 Volt halogen lamp for other area ensuring safety at work place
- (v) 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.

## **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 [slppcivil@gipcl.com](mailto:slppcivil@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 SPECIFICATIONS**

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 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 are estimated (except specified fixed quantities to be paid on prorata work done basis as per subsequent clauses) 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 Special Conditions of Contract.
- 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 of e-tender due to probable technical problem in e-tender system.**

**26. QUANTITIES**

The quantities specified under Package-A, Package-B, Package-C and item nos. 1 to 4 of Package-F are fixed specific quantity for final payment of work done for entire specified structure. However, the actual quantities of these items may vary with specified fix quantity if measured independently. Considering the type & location of structure, it is not feasible to measure the actual quantities. Hence, the quantities specified for individual structures are fixed quantity for payment of painting work in all respect as per item description & specifications. Payment will be made for completion of painting work of particular structure in all respect based on percentage of actual work done on prorata basis as certified by concern Engineer-in-charge of GIPCL. No any further claim from contractor for deferment of quantities by individual measurement will be entertained. Bidders are required to visit each & every locations covered under various packages with regard to fixed quantities specified for individual structure for its own assessment before submission of their online bid. An undertaking letter shall be submitted with physical documents that such site visit has been carried out with respect to fixed specified quantities of each individual structures mentioned under various packages and accepted the fixed specified quantity. Bidder's quoted online rates are considering the fixed specified quantity of each structure and it is understood that GIPCL shall not make any extra payment for these fixed quantities of that particular structures beyond specified quantity though the actual quantity differs from fixed specified quantity by taking separate measurements. Bidder should quote their rate based on their own judgment about actual quantities of structural steel to be painted and quote their rate accordingly. The payment shall be made only on specified fixed quantities only.

For remaining Package-D, Package-E, item nos. 5 to 12 of Package-F, Package-G and Package-H, the payment will be done according to actual work carried out as per joint measurement by contractor & GIPCL Engineer-in-charge as per mode of measurements. However, contractor shall be responsible to restrict the scope of work and not exceed beyond the provided quantities under specified items of these packages without prior consent of GIPCL. In any case, GIPCL will not pay for any



additional quantity due to any reason except if advance written consent taken by the contractor from GIPCL to execute additional quantities.

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 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 documents are available only in electronic format which Bidders can download free of cost from the web site: <https://www.nprocure.com> and <https://gipcl.nprocure.com> up to date & time mentioned in NIT.
- 2 All bids (technical and price bid) should be submitted online through the website <https://gipcl.nprocure.com> or <https://www.nprocure.com> only. No physical submission of price and technical bid will be entertained as it should be furnished on-line only. Also no fax, e-mail, letters will be entertained for the same.
- 3 Following should be submitted 'off-line' in sealed covers separately at Village Nani Naroli, Taluka Mangrol, Dist.Surat-394 110, Gujarat up to the period specified in NIT  
[1] E.M.D. & Tender fee [2] Supporting Documents for Technical Bid.
- 4 Bidders who wish to participate in online tenders will have to procure / should have legally valid Digital Certificate (Class III) as per Information Technology Act-2000, using which they can sign their electronic bids. Bidders can procure the same from any of the license certifying Authority of India or can contact (n)code solutions- a division of GNFC Limited, who are licensed Certifying Authority by Government of India at address mentioned below at clause 5.
- 5 All bids should be digitally signed. The bidders are required to contact at the below mentioned address for detailed training on on-line tendering.  
(n) Code Solutions - A division of GNFC Ltd.  
402, GNFC Info tower, Bodakdev,  
Ahmedabad – 380 054 (India)  
Tel: +91 26857316 / 17 / 18  
Fax: +91 79 26857321  
E-mail: [nprocure@gnvfc.net](mailto:nprocure@gnvfc.net)  
[www.nprocure.com](http://www.nprocure.com)  
Toll Free: 1800-233-1010(Ext. 501,512,517)
- 6 Kindly note that, valid Digital Signature Certificates is must for all the interested bidders. Online tendering process is not possible without valid digital signature certificate.
- 7 Interested bidders are also requested to complete their procedure for taking digital signature certificate in respect of filling of application form, supporting documents with necessary fees at least 3 days before last date of tender submission.
- 8 (n)code solutions reserves the rights to issue digital signature certificate after verification of application forms / supporting documents submitted by bidder.  
(n)code solutions is fully authorized to issue digital signature certificate to bidders.
- 9 All the bidders who have no facility to participate in on-line tenders are requested to contact (n)code solutions for the same.
- 10 Free vendor training camp will be organized every Saturday between 4.00 to 5.00P.M. at (n) code solutions-A Division of GNFC Ltd., Bidders are requested to take benefit of the same (Advance Confirmation to (n) code is requested).
- 11 All the correspondence in respect of training, support or digital signature certificate should be addressed to (n)code solutions directly on the above mentioned address.

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## **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 ten percent (**10%**) of the "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 Kalapur 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 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 defect liability period of twelve 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 (initial security deposit) will be returned to the Vendor/Contractor without any interest at the end of the 'Defect Liability Period' after completion of contract and on fulfilling contractual obligations throughout this period. However, any delay in submission of initial SD will result in equivalent late release of entire SD after guarantee period.

### **2. RECOVERY CLAUSE**

- (i) 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 contract value. Recovery will be affected from the monthly bills and/or retention money/security deposit.
- (ii) If the contractor fails to execute the work as per directions of Engineer (I/c) within the time frame given in work order and as per day to day instructions 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.

### **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 activities, 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 requiring compliance, with such further drawings and / or the GIPCL /ENGINEER instructions fails within seven days to comply with the same, the GIPCL /ENGINEER 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 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 or fails to carry out progress of work as per agreed schedule of work planning (as per clause no. 1.10 of Special Condition of Contract) and/or as per directions of GIPCL / ENGINEER within the time frame given and/or violating the GIPCL's safety rules & regulations, ENGINEER/ GIPCL 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 as a debt or may be deducted by him from any money due or to become due to the CONTRACTOR.

In case if contractor's services are not found satisfactory with respect to mobilization, time bound activities, workmanship & safety (OHSAS policy of GIPCL) then GIPCL has rights to terminate the contract at any time by giving you 15 days advance notice without assigning any reason and will make the alternate arrangement at cost and risk of 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/- Lakh, a person having a position equivalent to a Retired District Judge shall be appointed; for the claim higher than Rs. 25/- Lakh and up to Rs. 100/- Lakh, the same shall be referred to a Retired High Court Judge and for a claim exceeding Rs. 100/- Lakh, 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. EC 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 labor 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&Admn.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 challans 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 Labor 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 LOI. 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 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 labourer stating therein the nature of job to be performed by him and fix time for which the concerned labourers are likely to be deployed. Contractor shall also issue a temporary identity card specifying the period for which the labourer 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. 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, Labor 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.



**12. 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.

**13. LIGHTING**

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

**14. 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.

**15. 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 Deptt. Safety Deptt. 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 Deptt. Security Deptt. will inform to Safety Deptt., 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 Deptt. Safety Deptt 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.

**16. 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, fall arrester, etc. 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 depts.
  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 incharge 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.
B	WI Related	Failure to adhere to HSE guidelines/plans, careless	



		<p>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.</p>	<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>
		<p>Unsafe working practices at height more than 3 meters</p>	
		<p>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..</p>	
C	Unsafe Practices	<p>Breach of safe practices by a particular person repeatedly for three times.</p>	<p>Suspend the entry gate pass for one week.</p> <p><input type="checkbox"/> After two suspensions his gate pass will be cancelled.</p>

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.**



**17. 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/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 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 the GIPCL from any amount due, or to become due, to the CONTRACTOR's dues.

If the GIPCL/Engineer/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.

**18. GENERAL TERMS AND CONDITIONS:**

- a. All tools & tackles, labours, 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 Location/Package wise full time independent experienced site-in-charge and independent site supervisors at site. They shall co-ordinate with GIPCL engineer and shall bear overall responsibility of contract including joint measurement, billing etc. Such person shall function from site office of contractor at SLPP.
- e. Contractor shall also nominate one safety supervisor at site and shall submit nomination of safety supervisor in writing before commencement of contract. 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.**
- f. Contractor shall strictly follow the existing work permit system of the GIPCL and any future revisions.
- g. 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.





- h. 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.
- i. 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.
- j. 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.
- k. The prices / item rates quoted (based on quoted % above/equal or below SoR) shall remain firm till completion of the contract and any agreed extensions thereafter and is valid even if the contract is split and shall not be subject to any escalation, idle charges for labor, 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.
- l. 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 above clause no. 16) and/or termination of contract.
- m. One or more jobs may be required to be done simultaneously and contractor shall mobilize additional resources accordingly.
- n. 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.
- o. 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.
- p. The contractor has to submit daily reports showing work carried out with details of available manpower, tractors etc.
- q. 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.
- r. 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.



- s. 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.
- t. 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.

#### **19. 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 handing of jobs of this nature and with the prior approval of the GIPCL / ENGINEER. Such in-charge shall be constantly in attendance at the site during working hours. During CONTRACTOR'S supervisory engineer 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 ENGINEER / GIPCL 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 labour should be withdrawn from the work without due notice being given to the GIPCL / ENGINEER; further no such withdrawals shall be made if in the opinion of the GIPCL / ENGINEER 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 and the PURCHASER nor the ENGINEER shall hire or employ any employee of the other party except by mutual consent.

#### **20. CONTRACTOR TO REMOVE ALL OFFENSIVE MATTER IMMEDIATELY AND CLEAN-UP.**

All loose materials, wastage, packing materials, empty paint drums, 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 & remove scaffolding materials 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.

## **21. 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. First aid facilities as available on chargeable basis.

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

- B.** 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.

## **22. WORK 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 authorised 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.

## **23. PUBLIC HOLIDAYS**

The Contractor shall be responsible for giving benefit to all his employees, employed in whatsoever capacity, 09 Public/Paid holidays and the same shall be notified in advance and due communication thereof shall be made to the Management.



**24. BENEFIT PAYABLE IN CASE OF ACCIDENT OCCURRING OUTSIDE PREMISES OR BEYOND THE COURSE OF EMPLOYMENT**

The Contractor shall provide an insurance coverage (Medical + Death Benefit) for sum of Rs. 01/- Lakh 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.

**25. 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.

**26. 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.

**27. 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.

28. 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. DETAIL SCOPE OF WORK FOR PAINTING WORK AT PLANT**

1. Scope of work includes supply of approved industrial paint and applying painting on the various plant steel structures & equipments of LLHS, AHS, High-rise chimney (inside steel structure), Lignite Bunker Building, ESP Structure, Boiler equipments, Electrical equipments, Mechanical pipelines & structures in BoP and TG areas etc... as per respective items of BoQ and as per detail specifications.
2. Scope of work also includes supply of approved decorative paint and applying painting (inside & outside) of the various plant buildings, sheds, colony quarters, door, windows, hand railing, fencing, ceiling, polishing & painting of furniture as per respective items of SoR and as per detail specifications.
3. Scope of work also includes supply of approved industrial paint and applying painting on miscellaneous structural steels etc... as per specifications on basis of actual joint measurement of work done.
4. Scope also includes supply of approved industrial paints, other materials, like consumables, equipments, calibrated digital Elko meter with valid calibration certificate, compressor, jetting nozzles, hose pipes with all accessories, safe storage of materials (to not contaminate the area), wastage of paint during painting, cost of labour, supervision, cost of safety supervisor, shifting, transportation, loading, unloading, equipment, all tools & tackles, safety equipments & PPEs, approved scaffolding (standard MS pipes & clamps only), MS ladders etc...including as specified in Annexure E of Section F here in.

#### **1.1 GENERAL SPECIFICATIONS FOR PAINTING WITH PROTECTOMASTIC & PU PAINT:**

1. The steel structures like columns, beams, trestles, plates, angles, channels, etc... are to be painted as per specifications. The structures are fabricated by beams, channels, angles, flats & plates of different size and thickness.
2. Surface preparation of structures by scrapping & cleaning the surface by wire brush, chisels, buffing wheel, mechanical tools & grinder is to be done compulsorily. At some locations, the cleaning shall be carried out by water/air jetting. All necessary arrangement for water/air jetting including arrangement of pump, compressor, etc. shall be in the scope of contractors. All the loose rust, old paints etc. are to be cleaned up to the entire satisfaction and certification of Engineer-in-charge. Without certification of scrapping & cleaning work from Engineer-in-charge, painting will not be allowed. Joint records to be taken for initial thickness of existing surface with digital Alco meter (to be supplied by contractor) as directed by Engineer-in-charge.
3. One coat of minimum 90 micron DFT High Build self priming epoxy primer (Composition: Modified epoxy, cured with polyamidoamine) to be applied uniformly on the surface of steel after perfectly cleaning the structures by the wire brush, chisels & grinders. All the loose rust, paints etc. are to be cleaned. Joint records to be taken for verification of thickness with digital Alco meter (to be supplied by contractor) as directed by Engineer-in-charge.
4. Before applying successive coat, proper cleaning of the entire surface shall be carried out to remove any dirt, dust, etc...



5. First coat of minimum 30 micron DFT Acrylic Polyurethane paint (Composition: Acrylic resin with urethane hardener, cured with aliphatic isocyanides) is to be applied uniformly. Joint records to be taken for verification of thickness of first coat with digital Alco meter (to be supplied by contractor) as directed by Engineer-in-charge.
6. After drying of the first coat & surface cleaning, the next successive coat of minimum 30 micron DFT Acrylic Polyurethane paint (Composition: Acrylic resin with urethane hardener, cured with aliphatic isocyanides) shall be applied uniformly. Joint records to be taken for verification of thickness of second coat with digital Alco meter (to be supplied by contractor) as directed by Engineer-in-charge.

## **1.2 GENERAL SPECIFICATIONS FOR PAINTING WITH SYNTHETIC ENAMEL PAINT:**

1. The steel structures like columns, beams, trestles, plates, angles, channels, etc... are to be painted with Synthetic enamel paint. The structures are fabricated by beams, channels, angles, flats & plates of different size and thickness.
2. Surface preparation of structures by cleaning the surface by wire brush, chisels, buffing wheel, mechanical tools & grinder is to be done compulsorily. At some locations, the cleaning shall be carried out by water/air jetting. All necessary arrangement for water/air jetting including arrangement of pump, compressor, etc. shall be in the scope of contractors. All the loose rust, old paints etc. are to be cleaned up to the entire satisfaction and certification of Engineer-in-charge. Without certification of scrapping & cleaning work from Engineer-in-charge, painting will not be allowed. Joint records to be taken for initial thickness of existing surface with digital Alco meter (to be supplied by contractor) as directed by Engineer-in-charge.
3. One coat of minimum 40 micron DFT High Build ZP Primer conforms to IS: 2074 to be applied uniformly on the surface of steel after perfectly cleaning the structures by the wire brush, chisels & grinders. All the loose rust, paints etc. are to be cleaned. Joint records to be taken for verification of thickness of red oxide primer with digital Alco meter (to be supplied by contractor) as directed by Engineer-in-charge.
4. Before applying successive coat, proper cleaning of the entire surface shall be carried out to remove any dirt, dust, etc...
5. First coat of minimum 25 micron DFT Luxol high glossy Synthetic enamel paint in Light Grey shade is to be applied uniformly. Joint records to be taken for verification of thickness of first coat of synthetic enamel paint with digital Alco meter (to be supplied by contractor) as directed by Engineer-in-charge.
6. After drying of the first coat of Light Grey synthetic enamel & surface cleaning, the next successive coat of minimum 25 micron DFT Luxol high glossy Synthetic enamel paint in Smoke Grey shade shall be applied uniformly. Joint records to be taken for verification of thickness of second coat of synthetic enamel paint with digital Alco meter (to be supplied by contractor) as directed by Engineer-in-charge.



### **1.3 SPECIAL SPECIFICATIONS FOR PAINTING WORK FOR ELECTRICAL EQUIPMENTS (PACKAGE-E):**

#### **1. Equipment Identification detail:-**

All the identifications written over transformer & bus duct body should be first noted and should be kept as reference before starting the scrapping work. These identifications should be written back by a skilled painter with black paint over yellow back ground after completion of transformer painting work.

#### **2. Scrapping & Cleaning:-**

The outer surface of the transformer/bus-duct body should be scrapped properly with wire brush /emery paper to remove the old paint only at locations wherever the old paint has peeled off. After this the entire transformer & bus duct body should be first cleaned properly by blowing air, rubbed with clean cloth followed with cleaning with kerosene soaked cloth so as to de-grease and remove any oil stains and then cleaned with soap solution. Clearance should be obtained from GIPCL Engineer-In-charge before starting application of Red Oxide Paint.

All consumables like Wire Brush, emery paper, soap & its solution, cloth for cleaning, Kerosene etc. should be procured, arranged and provided by the contractor.

The scrapping & painting of supports, provided for bus ducts, in the same manner as stated above, is also included in the scope of work.

#### **3. Application of one Coat of primer:-**

After scrapping & proper cleaning of Transformer with all accessories/fitments & its associated bus duct and supports, the areas wherever the rusting of metal has caused erosion (especially on transformer radiators) the same should be first smoothened by application of Lapi. Supply & application of good quality Lapi is in scope of contractor. The entire surface of transformer & bus duct to be then sprayed painted with one coat of specified primer. All the equipments like Compressor, spray gun, associated piping etc is in scope of the contractor. GIPCL do not ensure to provide any compressed Air for the purpose of spray painting, hence the Contractor must arrange its own compressor. Power supply will be made available free of cost by GIPCL at a nearest distance of 50 Mtr. The cable required to extend power supply from the power point to the compressor machine is in the scope of contractor. Contractor should also maintain basic consumable items like V-belts, contactor, pressure switch etc. so that no time is lost in carrying out the painting work, for the problem in compressor Etc., once the transformer has been isolated from the service.

The site of transformer installation may have airborne particles. The transformers should therefore be covered with polythene/plastic sheet to protect the painted surface from settling of foreign particles. The plastic sheet has to be provided by the contractor carrying out the work.

While painting the equipments, it shall be the responsibility of the contractor to protect the name plate details and other details which forms important history for the equipment. The paint should be wiped off immediately over such name plates when the red oxide/paint is wet.

#### **4. Application of two Coat of Enamel Paint:-**

After application of one coat of specified primer, the transformer, bus duct, bus duct supports should be painted with two coats of Enamel paint. The second



coat should be applied only after dry out and clearance given by GIPCL Engineer-In-charge.

**5. Area cleaning for Spillover paint:-**

The areas of transformer painting are likely to have all spillover paint/ primer due to its handling. It shall be responsibility of the Contractor to remove all such taints before submitting their protocol for certification of work completion to GIPCL Engineer-In-charge.

**6. Identification of the Equipment after Painting:-**

All the equipments offered for painting in the scope of work is clearly identified for the details like the "Supply from Feeder no.", "supply to" etc. Also the individual sections of Bus-ducts are identified for its matching with other sections. This identification form vital information for operation personnel for system operation. This identification which is to be noted before starting the work is to be repainted by a skilled painter with black paint over yellow painted background having a black border. The supply of black & yellow colored paint for identification of equipment shall be in scope of the Contractor and will **not** be provided by GIPCL.

**7. Painting of Generator Isolated Phase Bus Duct:-**

Generator Transformer / Unit Auxiliary Transformer /Generator is inter-connected with 9000 Ampere Isolated Phase bus duct. Enclosure (External surface) of this Bus duct is to be painted which is cylindrical in shape of following dimensions:-

- a) 1070 MM
- b) 620 MM.

The length of the busduct is as under:

- a) 1070 MM diameter : single run /phase is of 57.25 Mtr each &
- b) 620 MM diameter : single run /phase is of 3.25 Mtr. Each.

The Busduct enclosure being of Electrical grade Aluminum do not require initial painting of primer as in the case of transformer. However, the surface of the enclosure should be properly cleaned by wire brush/ emery paper wherever the paint has peeled off and then to be followed with painting with two coats of enamel paint. The total length of Busduct to be painted is indicated in the SoR (Package-E).

**Provisions to be made by Contractor:-**

- a. All paint & primer, thinner, consumables like wire brush, emery paper, Madarpath cloth, Kerosene, soap, good quality Lapi, painting brush etc. is in scope of contractor.
- b. Compressor for the purpose of spray painting is in scope of the contractor. GIPCL do not ensure to provide any compressed air for the purpose of spray painting. All the required spares like contactor, pressure switch, v-belt etc. and all other spares required to restore the compressor immediately after breakdown of contractor's T&P is in scope of contractor. Spray gun along with associated piping is included in scope of contractor.
- c. Power cable (minimum 50 Mtr.) of required size to extend power supply from the nearest available supply source to compressor is in scope of contractor.





- d. Intra-site transport of man & machine is in scope of contractor. Contractor may please note that the equipments to be painted is in radius of 4 km to 16 KM.
- e. Tarpaulin sheet/ Polythene sheets required to cover the transformer after painting & before drying out is in scope of contractor.
- f. All other material required for completion of the work but not indicated herein is in the scope of Contractor.
- b. The ESP transformers are located at an elevation of 0 to 35 mtr. elevation. Lifting & lowering of Compressor machine and all required material to such location is also included in scope of contractor.
- c. Ladder of Height 0-10 Meter to facilitate painting of bus duct is included in scope of Contractor.
- d. Required quantity of Yellow & Black paint for marking

**1.4 SPECIAL SPECIFICATIONS FOR PAINTING WORK FOR LP PIPING SYSTEM, SUPPORTING STRUCTURES & TANKS OF BOP AREA OF PHASE-I&II (PACKAGE-D):**

**A. For Application of synthetic enamel on LP Piping & Storage Tanks.**

1. Initially, surface preparation by cleaning the surface by wire brush, chisels, buffing wheel, mechanical tools & grinder is to be done compulsorily. All the loose rust, old paints etc. are to be cleaned up to the entire satisfaction and certification of Engineer-in-charge. Without certification of scrapping & cleaning work from Engineer-in-charge, painting will not be allowed. Joint records to be taken for initial thickness of existing surface with properly calibrated digital Elko meter (to be arranged by Contractor) as directed by Engineer-in-charge.
2. One coat of Primer as mentioned in Specification of Paints in above clause no. 1.3 shall be applied uniformly on the surface of pipes and Structural after perfectly cleaning by the wire brush, chisels & grinders. All the loose rust, old paint, oil, dirt, dust, scale etc. is to be perfectly cleaned. The thickness of primer will be **minimum 40 microns**.

Joint records are to be taken for verification of thickness after applying Primer with properly calibrated digital Elko meter (to be arranged by Contractor) as directed by Engineer-in-charge and clearance to be taken for applying of Synthetic Enamel thereafter.

After drying of the primer, Total **Two (2)** Finish coats of Synthetic enamel as mentioned in Specification of Paints in above clause no. 1.3 are to be applied.

Joint records are to be taken for verification of thickness after applying first coat of synthetic enamel paint with properly calibrated digital Elko meter (to be supplied by Contractor) as directed by Engineer-in-charge and clearance shall be obtained for applying second coat thereafter.

The thickness of **each** coat of paint shall be **minimum 25 microns**.

The optimum thickness shall be applied by brushing with minimum of brush marks.



**B. For Application of Epoxy Primer and PU paint on Structures.**

1. Application of one coat of one coat of minimum 90 micron DFT High Build self priming epoxy primer (Composition: Modified epoxy, cured with polyamidoamine) and two coats of Acrylic Polyurethane glossy finish paint (Composition: Acrylic resin with urethane hardener, cured with aliphatic isocyanides), each coat of minimum 30 micron DFT as per manufacturer's recommendations and as per above clause no. 1.2 to the steel structure including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust and scale by wire brushing, power tool cleaning etc complete. At least 24 hours time period shall be elapsed between the applications of successive coats.
2. Contractor has to ensure that the different layers of paints are being applied after being inspected by Engineer-in-charge of GIPCL. After obtaining stage wise clearance including surface preparation, contractor should proceed for further work.
3. Paint has to be applied uniformly over the surfaces. Party shall also ensure that humidity in the weather shall be less than 60%age during application of paint.
4. Shelf life of paint shall be minimum 06 months at the time of application.
5. Contractor shall take care for spatters and spillage of Floor area and other structure, piping and Equipment etc. All the spatter and spillage area cleaning will be in the scope of contractor.
6. All the consumables like wire brush, painting brush, container for handling the paint, cloth if required for cleaning the surface etc. and Manpower with other resources are in Contractor's scope.
7. Scaffolding material and arrangement if required for painting at different elevations shall be in Contractors' scope.
8. Contractor has to make their sub-store for storing the paints at site. Preserving the paint, thinner and other material required carryout this work against theft or pilferage shall remain in the scope of contractor.
9. Contractor has to depute Supervisor(s) from their side for constant supervision of painting work execution as per specification.
10. Contractor has to take all safety measures and has to follow safety clauses during the execution of work including providing safety equipments and/or safety gears/PPEs, full body safety belts, safety shoes, dust masks, helmets, safety nets, etc. to the workers and copy of safety equipments and safety gears issue register & gate pass are to be submitted to GIPCL for verification before taking up the work.
11. The contractor shall possess a valid 'Permit to work' duly signed by GIPCL Shift-In charge from control room during the execution of the job.
12. Painting of structures has to be carried out even during the time when system is in operation. Hence, experienced supervisor(s) are to be deployed for supervision of work.
13. Further layer of Paint has to be applied after giving sufficient drying time to previous layer of paint as per manufacturer's recommendations.
14. Contractor has to arrange & get inspected thickness of each coat with the help of properly calibrated digital Elko meter to the Engineer-in-charge of GIPCL before proceeding to application of next successive coat. Supply of Elko meter is in the scope of Contractor.



15. Painting shall be carried out only on thoroughly dry & clean surfaces. Painting shall be applied evenly. The workmanship shall be of best quality. The workmanship shall generally confirms to the requirement of IS 1477 (Part-II).
16. The optimum thickness shall be applied by brushing with minimum of brush marks. The coat shall be allowed to hard dry. The glass from the entire surface shall then be generally removed and the surface dusted off. At least 24 hours shall elapse between the applications of successive coats.
17. Further, during the painting work, all the empty drums of primer, paints and Thinner shall be taken out of plant premises and to be disposed as per prevailing GPCB norms. Also, the shifting shall be done in the knowledge of Engineer-in-charge.

**Quality Check:** - Contractor shall maintain location wise work done reports in the register and get the regular signature from concerned GIPCL representative/inspection committee for cleaning, primer, first coat painting & second coat painting, etc. with thickness checking at each stage. The same shall be enclosed with bill for payment.

The rate shall be for good finishing work as per minimum coating specified in the item specifications. However if the required quality and finishing is not achieved, contractor shall applied additional coat of paint to get good finishing without any additional cost to GIPCL.

Contractor shall follow the recommendation of manufacturer without any additional implication to GIPCL.

It is not the intent to specify herein all the works in the scope of this contract. The scope also includes all works necessary, which are not specifically mentioned here but required, for effective execution of entire scope of work in all respect within time bound periods and are deemed to be included in the scope of the CONTRACTOR. All works shall conform to the specifications, safety norms, legal & statutory requirements.

- **Shading pattern for painting are as below :**

<b>Shading pattern for painting of LP piping</b>			
1	Red Oxide Primer	Bottle Green	Sea Green
<b>Shading pattern for painting of supporting structures &amp; tanks</b>			
1	Red Oxide Primer	Light Grey	Smoke grey

Party shall get the shade approved prior supply and application.

#### **1.5 SPECIAL SPECIFICATIONS FOR DECORATIVE PAINTING FOR PLANT & COLONY UNDER PACKAGE-G & H:**

Contractor shall carryout the work as given in tender documents within stipulated time frame for particular painting job and the works shall conform to high standards of workmanship, quality, proper line, level and as directed by Engineer-in-charge.

Contractor shall nominate supervisors for work supervision & safety supervision to receive day to day painting work requirements from Engineer-in-charge. Supervisors will co ordinate with user department to ascertain their exact requirement and location of work. They will be responsible for mobilization of manpower, materials,



safety PPEs, safety arrangements at site, tools & tackles and other required resources to carry out the work as per requirement and also responsible to take field measurements jointly with GIPCL Engineer by mentioning SoR item no. & exact work location in measurement register on daily basis and shall submit the register to the Engineer-in-charge for their verification on every week. Following scope of work shall be followed during execution.

1. The various buildings, structures & infrastructures of power plant are to be painted. The buildings/structures are of different height and different inside & outside finishing work. The rate shall be valid for all height including required scaffolding work as per item nomenclature in Schedule of Quantity.
2. Surface preparation of structures by cleaning the existing surface by wire brush/mechanical tools to be done. All the loose rust, old paints etc... are to be cleaned.
3. Surface preparation includes cleaning of existing painting surface, removing dirt, dust, loose paint, filling cracks with approved crack filler, filling undulation with Plaster of Paris for making uniform surface (at required places only).
4. One coat of primer of approved manufacturer to be applied on the surface after perfectly cleaning the structures by the wire brush (as per item specifications). All the loose rust, paints etc. are to be cleaned.
5. One coat of approved quality Asian or Berger or Nerolac make paint shall be applied.
6. After drying the first coat, next coat of same quality and colour shade to be applied.
7. Contractor has to ensure that the different layers of paints are being applied after being inspected by Engineer-in-charge of GIPCL. After obtaining stage wise clearance, contractor should proceed for further work.
8. Paint has to be applied uniformly over the surface of building.
9. All the consumables like paint material, thinner, wire brush, painting brush, container for handling the paint, cloth if required for cleaning the surface etc. are to be arranged by the contractor, except specified free issue paints for specific items mentioned in the schedule of quantity.
10. To paint at different elevations, contractor has to make safe arrangement for metallic scaffoldings with MS pipes & MS clamps at their own cost. Contractor is fully responsible for scaffolding work for safe working during working at height.
11. Contractor has to make their sub-store for storing the paint at site.
12. Manpower required for carrying out the entire painting work will be in contractor's scope.
13. Contractor has to depute their site-in-charge & supervisors for work execution as per specification.
14. Contractor has to take all safety measures during the execution of work.
15. The contractor shall possess a valid permit to work duly signed by GIPCL during the execution of the job.
16. Painting of various buildings/structures has to be carried out even during the time when building under utilization and/or system is in operation. Hence, experienced supervisors are to be deployed for supervision of work.
17. Painting shall be carried out only on thoroughly dry surfaces. Painting shall be applied by brushing for outside and inside finishing paint by using roller only. The workmanship shall be of best quality.
18. The optimum thickness shall be applied by brushing with minimum of brush marks. The coat shall be allowed to hard dry. At least 24 hours shall elapse between the applications of successive coats.



19. The second finishing coat shall then be applied by brushing for outside and inside finished paint by using roller only.
20. The rate shall be for good finishing and decorative/industrial paint of approved quality and shade by considering two coats of paint. However if the required quality and finishing is not achieved, contractor shall applied third coat of paint to get good finishing without any additional cost to GIPCL.
21. Contractor shall follow the recommendation of manufacturer without any additional implication to GIPCL.
22. **Quality Check:** - Contractor shall maintain each location wise register entry and get the check from concern GIPCL engineer for cleaning, first coat painting & second coat painting.
23. Contractor shall take care to avoid paint marks on door/window frames, glass, skirting tiles, electric fixtures, other furniture etc... by covering the same with sticker, removable adhesive tape, cloth etc... as directed by Engineer-in-charge. After completion of work, contractor shall responsible for removal of covers from these locations, remove & clean stains if any and make good the same.
24. Contractor shall ensure proper utilization of paint and avoid wastage like spillage. GIPCL right to take action for such wastage.
25. All painting material shall be of approved shade & make "ASIAN" or "BERGER" or "NEROLAC" or any other reputed brand approved by GIPCL.
26. It shall be the sole responsibility of contractor to provide sample of colour shade before execution for any specific shade requirement for advance approval.
27. Apart from standard available colour shades, contractor shall also arrange for specific colour shades for exterior & interior painting in line of existing provided shades if it is desired by Engineer-in-charge. Sample of shades may be prepared & applied at designated place for approval from GIPCL. Contractor shall proceed with the work as per day to day instructions of Engineer-in-charge for painting at specific locations.
28. In case of any discrepancies, contractor shall proceed with painting work by providing matching colour shade as per existing painted surface, except any change shade is desired & provided by GIPCL for any specific location/area. However, contractor shall provide sample and get approval well in advance from GIPCL for existing matching shade also if desired by GIPCL.
29. Surface preparation before applying painting on inside surface of all buildings shall be as per following specifications.
  - (a) Proper cleaning of existing painted surface and removing dirt, dust.
  - (b) Filling cracks with approved crack filler of approved make and quality (Pedilite or equivalent).
  - (c) Filling undulation (at required places only) area with Wall Putty (Birla white) for making uniform & smooth surface. Primer shall be applied as specified in item nomenclature.
  - (d) All furniture, fixtures, computers, telephones, other office stationeries & documents, electric & lighting fixtures, equipments, cables, flower pots, plantations, flooring, etc... shall be protected while carrying out the painting work. Covering with plastic sheet, paper, temporary shifting of things as directed shall be in the scope of contractor. Any type of damages shall be recovered at actual cost plus 15% overhead charges from contractor's bills and/or security deposit/retention money whatsoever.
  - (e) Proper surrounding affected area housekeeping shall be done after completing the painting works.



## **1.6 GENERAL SPECIFICATIONS FOR PAINTING:**

1. Contractor has to ensure that the different layers of paints are being applied after being inspected by Engineer-in-charge of GIPCL. After obtaining stage wise clearance including surface preparation, contractor should proceed for further work. One register shall be maintained by contractor for this purpose and shall submit the same with bill. Without submission of thickness verification register with the bill, payment will not be made.
2. Paint has to be applied uniformly over the surface of Steel structures.
3. All the consumables like paint material, wire brush, mechanical tools, emery papers, painting brush, container for handling the paint, cloth if required for cleaning the surface, metallic scaffolding, metallic ladders, etc... are to be arranged by the contractor.
4. To paint at different elevations, contractor has to make arrangement like safety belt, safety net, fall arrestor, safety life line, helmet etc... for safe working with preparation of scaffoldings of MS pipes, Metallic jali, H frames etc... at their own cost.
5. Contractor has to make their own sub-store for storing the paint at site with rigid platform to avoid soil contamination. GIPCL will not be held responsible for any theft of materials.
6. Contractor has to depute their full time experienced overall site-in-charge & independent location wise supervisors for work execution as per specification and for day to day work planning & coordination with respective department's Engineer-in-charge, to obtain day to day location wise work permits, height permits, to get daily location wise work supervision, quality, maintaining stage wise work clearance register for each location, to recod location wise joint work done reports/measurements, to prepare location wise separate bills, to prepare & apply location wise manpower gate pass, to maintain location wise material consumption report, etc...
7. Contractor has to take all safety measures and has to follow safety clauses as per attached Annexure-F under Section-F during the execution of work including all good quality safety equipments & safety PPEs like safety net, fall arrestors, safety life line, full body double harness safety belts, safety helmets, safety shoes, hand gloves, dust masks, ear plugs, safety goggles, etc to the workers and copy of safety equipments and safety gears issue register & gate pass are to be submitted to GIPCL for verification before taking up the work.
8. The contractor shall possess a valid 'Permit to work' duly signed by GIPCL during the execution of the job.
9. Painting of structures shall be carried out even when system is in operation. Hence, experienced supervisors are to be deployed for supervision of work.
10. Further layer of Paint has to be applied after giving sufficient drying time to previous layer of paint.
11. Contractor has to arrange & get inspected each layer thickness as mentioned above by the help of digital Alco meter to the Engineer-in-charge of GIPCL before proceeding to application of next layer. Supply of Alco meter is in the scope of contractor.
12. Painting shall be carried out only on thoroughly dry & clean surfaces. Painting shall be applied by brushing only. The workmanship shall be of best quality. The workmanship shall generally confirms to the requirement of IS 1477 (Part-II).
13. The type of paint, thickness of dry film, number of coats etc... shall be as specified in the item of work.



14. All the surfaces shall be thoroughly cleaned from oil, dirt, dust, rust, stains and scale. The method of cleaning shall be by using solvents as per recommendation of manufacturer, wire brushing, power tool cleaning etc. and as indicated in the item of work.
15. The optimum thickness shall be applied by brushing with minimum of brush marks. The coat shall be allowed to hard dry. The coating shall be done in such a way that there should not be any dots, brush marks and (spillage marks) on the painted surface. At least 24 hours shall elapse between the applications of successive coats.
16. **Quality Check:** - Contractor shall maintain location wise work done reports in the register and get the regular signature from concern GIPCL Engineer for cleaning, applying primer, first coat painting & second coat painting with thickness checking at each stage. The same shall be enclosed with bill for payment.
17. Contractor shall ensure proper utilization of paint and avoid wastage like spillage.. Approved paint material received & consumption thereof for painting the structure shall be almost match as per recommendations given by manufacturer. Contractor shall have to maintain the register for the receipt of paints and consumption thereof and shall be verified & signed through Engineer-in-charge. Contractor shall also keep up to date record and storage of empty drum and same should be verify through Engineer-in-charge for reconciliation of materials inwards and actual consumption.
18. The paint shall be applied as per guideline & specifications given as above for good finishing. However if finishing is not achieved as per requirement, contractor shall have to apply additional coat of paint to get good finishing without any additional cost to GIPCL.
19. Bidder shall follow the recommendation of manufacturer without any additional implication to GIPCL.

The scope of work also includes all works necessary, which are not specifically mentioned here but required, for effective execution of entire scope of work in all respect within the scheduled time. All works shall conform to the specifications, safety norms, legal & statutory requirements.

#### **1.7 PAINT MATERIAL**

**All painting material shall be approved industrial paint includes High Build self priming epoxy primer (Composition: Modified epoxy, cured with polyamidoamine), Acrylic Polyurethane paint (Composition: Acrylic resin with urethane hardener, cured with aliphatic isocyanides), High Build ZP Primer & Luxol Hi Gloss Synthetic Enamel paint as per respective item specifications under package wise SoR.**

- A. Makes for High Build self priming epoxy primer and Acrylic Polyurethane paint shall be either of following;**
- **“BERGER” make Protectomastic Self priming High Build coating with Bergerthane PU Glossy Finish or “ASIAN PAINTS” make Rust o Cap with Apcothane CF 675 or “Kansai Nerolac” make Nero mastic 400 I and Nerothane 460 GL shall be used.**
  - **Thinner shall be used for dilution purpose as per manufacturer’s specifications/recommendations and of same manufacturer as of paint**



**& primer (Thinner T14 NPC for Protectomastic primer and Thinner 825 for Bergerthane PU paint).**

**B. Makes for High Build ZP Primer (BP) & Luxol Hi Gloss Synthetic Enamel paint shall be either of following;**

- **"BERGER" make Bison High Build Zink Phosphate Grey Primer (BP) and BP High Gloss Synthetic Enamel Paint confirming to IS: 2932 or equivalent paint of "ASIAN PAINTS" make Apcolite Syn. Enamel with Apcomin Industrial Zink Phosphate Grey Primer or "Kansai Nerolac" make NSE Synthetic Enamel with High Build Zink Phosphate Grey Primer only after approval of GIPCL.**
- **Thinner shall be used for dilution purpose as per manufacturer's specifications/recommendations and of same manufacturer as of paint & primer (Thinner 800 shall be used for dilution purpose for Bison HB ZP primer and Luxol Hi Gloss Synthetic Enamel paint as per manufacturer's recommendation).**

Contractor has to maintain record of each and every material brought to site with material test certificate and gate entry. **Contractor has to submit third party excise gate pass by mentioning GIPCL for the painting materials supplied for the works exclusively.** Contractor shall arrange to get joint inspection of the procured paint material along with the concern Engineer-in-charge after the same is inward in GIPCL and the bill of same shall be the stamped and signed by Security personnel present at gate. Further, this bill shall be enclosed with the Invoices when submitted as per the "Terms of Payment". GIPCL may verify the reconciliation of paint materials supplied at GIPCL-SLPP with respect to work executed based on manufacturer's standard consumption factor. Any major variation shall not be acceptable.

**Third party testing:-**

Contractor shall arrange third party testing of paint materials supplied at GIPCL-SLPP for jointly collected random samples of paint materials as directed by Engineer-in-charge. All cost towards testing shall be borne by the contractor. The testing laboratory shall be as decided by GIPCL.

**1.8 DISPOSAL OF EMPTY PAINT BARRELS**

Contractor shall be responsible for removal and disposal of all the empty drums as per prevailing GPCB norms outside GIPCL premises.. GIPCL will not be held responsible for any subsequent consequences regarding improper disposal of empty drums/barrels by the contractor. Contractor shall be required to submit written undertaking along with the final bill that all the empty paint/primer/thinner drums are disposed off at outside plant premises at designated location as per prevailing Government guideline and contractor shall indemnify, keep harmless the GIPCL against any future liabilities or consequences in this regard. Contractor's final bill shall be processed only after disposal of all such empty drums, containers, other scrapes, etc... to outside premises in accordance with prevailing GPCB norms based on submission of letter of undertaking by the contractor and certificate from Engineer-in-charge along with final bill.





## **1.9 GENERAL SCOPE OF CONTRACTOR**

1. All tools & tackles, tractors, required vehicles to execute the contract will be in the scope of the contractor. The contractor should ensure for healthiness/working conditions of tools, tackles & vehicles.
2. All consumable items like paint materials, thinner, turpentine, red oxide, cloth, cotton waste, kerosene, gas, diesel, lubricants, etc will be in the scope of the contractor.
3. The Contractor shall have to make necessary arrangement for storage of materials including safe storage of paint materials, tools & tackles, scaffolding materials, equipments at their own cost.
4. All safety/PPEs required during work at site are to be arranged by the contractor.
5. The Contractor shall have to provide necessary facilities including accommodation for their labour at their own cost.
6. The contractor has to arrange transportation for lifting/shifting the materials at their own.
7. Contractor has to depute their full time experienced site-in-charge & independent Location/Package wise supervisors for work execution as per specification and for day to day work planning & coordination with respective department's Engineer-in-charge, to obtain day to day Location/Package wise work permits, to get daily location wise work supervision, to record Location/Package wise joint work done reports/measurements/trip certification, to prepare Location/Package wise separate bills, to prepare & apply Location/Package wise manpower gate pass, to maintain Location/Package wise statutory & legal compliance records, etc...
8. Contractor has to maintain record of each and every material brought to site with material test certificate and gate entry. **Contractor has to submit third party excise gate pass by mentioning GIPCL for the painting materials supplied for the works exclusively.**
9. Contractor has to submit quality plan prepared jointly with authorized representative of approved manufacturer.

## **1.10 PLANNING & MONITORING OF WORK PROGRESS**

1. After award of the work, Contractor has to submit schedule of work planning for completion of painting work with resources (i.e. manpower and material) mobilization planning within seven days. GIPCL will not allow working at site without submission of schedule of work planning with resources planning.
2. Contractor shall mobilize the resources at site within 07 days from the date of LOI or work order whichever is earlier. GIPCL will closely monitor the agreed schedule against actual progress of work at site. If contractor failed to carry out work as per agreed schedule and if contractor failed to mobilized required resources (manpower & materials) within seven days from written communication, GIPCL will execute the job through other agency at the risk and cost of the contractor with additional 15% overhead charges.

## **2. PRICE & RATES**

This is SoR based contract and final item rates will be derived by applying contractor's quoted percentage rate above / equal or below on GIPCL's provided SoR item rate of respective package. The item rates so derived shall be inclusive of



cost of all approved make paints, primer, thinner, other required materials as recommended by manufacturer, consumables, safe storage of materials, wastage, painters, helpers, labour, supervision, cost of safety supervisor, shifting, transportation, loading, unloading, equipment, all tools & tackles, standard approved MS scaffolding materials, scaffolding arrangement at work site as per approval of GIPCL's Safety Officer, 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 item 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 rates shall be firm for entire contract period and also during extension, if required and shall not be subject to any escalation in price, idle charges for labour, machinery, overhead expenses etc. No price escalation / idle charges shall be considered due to any reason whatsoever. No rate 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 quantities specified under Package-A, Package-B, Package-C and item nos. 1 to 4 of Package-F are fixed specific quantity for final payment of work done for entire specified structure. However, the actual quantities of these items may vary with specified fix quantity if measured independently. Considering the type & location of structure, it is not feasible to measure the actual quantities. Hence, the quantities specified for individual structures are fixed quantity for payment of painting work in all respect as per item description & specifications. Payment will be made for completion of painting work of particular structure in all respect based on percentage of actual work done on prorated basis as certified by concern Engineer-in-charge of GIPCL. No any further claim from contractor for deferment of quantities by individual measurement will be entertained. Bidder's quoted online rates are considering the fixed specified quantity of each structure and it is understood that GIPCL shall not make any extra payment for these fixed quantities of that particular structures beyond specified quantity though the actual quantity differs from fixed specified quantity by taking separate measurements.

For remaining Package-D, Package-E, item nos. 5 to 12 of Package-F, Package-G and Package-H, the payment will be done according to actual work carried out as per joint measurement by contractor & GIPCL Engineer-in-charge as per mode of measurements. However, contractor shall be responsible to restrict the scope of work and not exceed beyond the provided quantities under specified items of these packages without prior consent of GIPCL. In any case, GIPCL will not pay for any additional quantity due to any reason except if advance written consent taken by the contractor from GIPCL to execute additional quantities.

Clause no. 26 of Section-A shall be applicable.



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.

### **3. CONTRACT PERIOD**

Contract period will 15 (fifteen) months from the date of commencement (mobilization period will be 15 days from the date of issue of Lol or Work Order whichever earlier) or from the date of commencement as mentioned in work order.

### **4. TERMS OF PAYMENT**

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

The contractor shall raise the location (Package) wise separate running invoices in duplicate (one original in physical form and soft copy in MS Excel format as directed by Engineer-in-charge) every month to concern Engineer-in-charge of respective Package/Location in respect of the work performed or completed during the month along with the documents as provided hereinafter. 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 10% of contract value shall be submitted as per clause no.: 1 of Section-C. Security deposit will be returned to the Contractor without any interest after successful completion of one year defect liability period 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-A** 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, Photo copies of wages register of previous month, photocopies 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 the Contract Period and agreed extension and shall remain unaltered during the Contract Period.

#### **5. SCOPE OF GIPCL**

Electric power, water & air shall be made available free of charges at any one point nearer to work site as convenient to GIPCL. Contractor shall make his own arrangements for drawl and distribution to the work site. However before drawl of such energy, contractor shall take prior permission of the same.

#### **6. 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 / 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.

#### **7. DAILY DIARY AND PROGRESS REPORT**

A daily diary register will be kept in the ENGINEER'S office. The CONTRACTOR will supply all detailed information every day at 9:00 hours for the day preceding and the diary will be jointly signed by the ENGINEER and the CONTRACTOR'S representatives, every day in token of its correctness. A works instruction book, serially numbered will also be kept in the ENGINEER'S office and all day to day instructions will be given in that book. The CONTRACTOR'S representative shall



report every day to see these instructions and sign them at the bottom in token of his having seen them.

The CONTRACTOR shall supply all information regarding procurement of materials and progress of work, as is required by the ENGINEER for compiling the weekly progress reports. This information shall be supplied by 9:00 hours on every Monday, for the preceding week.

## **8. INSPECTION OF SITE (AREA OF WORK) BY BIDDERS**

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 work, running equipment, importance of work, working conditions, quantity assessment of individual structures with respect to fixed specified quantity for final payment purpose, safety requirements, materials storage arrangement and tool & tackles, facilities required for the satisfactory completion of work, the quantity of various items of the work etc 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.

## **9. MODE OF MEASUREMENT**

As stated above under clause no. 2, the quantities specified under Package-A, Package-B, Package-C and item nos. 1 to 4 of Package-F are fixed specific quantity for final payment of work done for entire specified structure. Payment will be made for completion of painting work of particular structure in all respect based on percentage of actual work done on prorated basis as certified by concern Engineer-in-charge of GIPCL by measuring approximate length and height of structures painted completely as per specifications against total length and height of structure.

**For example:** If for provided fix quantity "X" MT of steel structure for having length of structure 100 meter, height 40 meter ( $100 \times 40 = 4000 = 100\%$ ) and if contractor has completed painting work as per specifications for 20 meter length and height up to 18 meter ( $20 \times 18 = 360 = 9\%$  of 4000) then payment in the RA Bill will be made for quantity = 9% of "X" MT, specified fixed quantity).

For remaining Package-D, Package-E and item nos. 5 to 12 of Package-F, the payment will be done according to actual work carried out as per joint measurement by contractor & GIPCL Engineer-in-charge for structural steel quantity in MT or M2 as specified in respective item.

Detail mode of measurement for decorative painting of plant buildings and colony quarters under Package-G & H shall be as under:-



Measurements shall be in accordance with the unit of measurements specified in schedule of quantity up to three decimal place. Payment will be made for actual work done as per field measurements certified by Engineer-in-charge.

The measurement shall be in item wise unit mentioned in Schedule of Quantity for finished product of work done as per detailed technical specifications mentioned in schedule of quantity for price bid. The measurement shall be in square meter of painted surface or running meter as applicable. Detail mode of measurement is as under:-

- (i) Outside surface: - Based on sqm of painting surface. Only single time sqm of actual painting surface of the building shall be payable. No co-efficient shall be applied even if in the case of sand face plaster area also.
- (ii) Inside surface: - Same as outside.
- (iii) Deduction of opening :-
  - (a) 50% deduction (each face) for opening exceeding 0.50 sqm but not exceeding 3 sqm each shall be made for reveals, jams, soffits & sills of these openings.
  - (b) 100% deduction (each face) for opening exceeding 3.00 sqm. However payment shall be made for reveals, jams, soffits & sills of these openings.
  - (c) For opening having door/window frame equal to or projecting beyond thickness of wall, full deduction for opening shall be made from each plaster face of wall.
- (iv) Window shutter/Ventilation/Fly proof shutter painting: - Area shall be measured for finished opening size on one side i.e. if size of window opening is 2.80x1.50 and painted on both side. Payment will be made considering one side only.
- (v) Panel door/Flush door/Rolling shutter Painting :- Payment shall be made on measurement of out to out frame of door i.e. area payable for one door of size 2.06 x 0.9 m opening size is 2x2.06x0.9 m for painting inside and outside face of door. (Rates are including painting of frames).
- (vi) M.S.Grill Painting:- Area shall be measured Grill size i.e. if size of one Grill is 0.60 x 1.20mt and painted both side of total grill area, Payment will be made considering grill out to out size (i.e. 1x0.60x1.20mt). No co-efficient shall be applied.
- (vii) Door/Window/Ventilator's frame painting :- Area shall be measured on sq. mtr. of actual painting surface shall be payable. No co-efficient shall be applied.
- (viii) M.S. Railing Painting:- It shall be measured in Rmt only length of railing only.
- (ix) Melamine polish:- Actual treated area Shall be measured in sq.mt.

Wherever any dispute regarding mode of measurement arise, the decision of the Engineer in-charge shall be final and binding to you.

The measurement will be as per the unit of measurement specified in respective item description.



## **10. SUBMISSION OF TECHNICAL DOCUMENTS TO THE ENGR-IN-CHARGE**

Contractor shall submit following documents to the Engineer-in-charge for verification purpose of the bill:-

- (i) **Measurement sheet (as per mode of measurement) along with joint record of work done in the form of joint inspection report** duly signed by authorized representative of contractor and GIPCL Engineer.
- (ii) Contractor's material incoming challans duly stamped & signed by plant gate security.
- (iii) Third party excise gate pass by mentioning GIPCL for the painting materials supplied
- (iv) Contractor's supplied material test certificate/reports as directed by Engineer-in-charge.

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

## **11. 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 in case of Final bill.
- (iii) No claim - No arbitration certificate as per Performa (Annexure-D), after releasing final bill payment.

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

## **12. MOBILIZATION AND EXECUTION**

- a) Contractor shall mobilize the resources at site within 03 days from the time of intimation given by GIPCL.
- b) Contractor shall provide Package wise 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.
- d) Contractor shall provide accommodation for the persons deployed by him for the work at his own cost.

## **13. DEFECT LIABILITY PERIOD**

The defect liability period of whole work shall be one year after completion of contract as certified by Engineer-in-charge. During defect liability period, if any



defect arises in jobs which have been already executed, shall be rectified by the contractor at free of cost within seven days on receiving the intimation from Engineer-in-charge failing which GIPCL may take suitable action and also engaged third party to carry out rectification work at the risk and cost of the contractor.

**14. 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.

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 & RATES

### PACKAGE- A

Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
1	<p>Providing and applying one coat of minimum 90 micron DFT High Build self priming epoxy primer (Composition: Modified epoxy, cured with polyamidoamine) and two coats of Acrylic Polyurethane glossy finish paint (Composition: Acrylic resin with urethane hardener, cured with aliphatic isocyanides), each coat of minimum 30 micron DFT of approved colour shade on structural steel including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust &amp; scale by fresh water jet cleaning, wire brushing, power tool cleaning, mechanical scrapers, etc... &amp; final surface cleaning with cotton waste before application of primer (in case of application of primer is delayed due to any reason, the surface preparation shall be redone at no extra cost to GIPCL), including providing approved MS pipe scaffolding with clamps, safety nets, cherry packers, covering the surrounding areas with plastic sheet/tarpaulin wherever required, etc... as directed by Engineer-in-charge and as per manufacturer's detail technical specifications with all materials, labour, tools &amp; tackles, standard safety tools &amp; tackles, standard safety PPEs, etc.... complete at all elevations <b>for Head frames, Tail Frames, Bend Frames, Snub Frames of all running conveyors of BFD-7A/B/C/D, BCN-5A/B, BCN-13A/B, BCN-4A/B, BCN-2A/B/2C, RBFD-2,SFD-1, BCN-1A, RBFD-6, BCN-M3A, BCN-M2A, BFD-10A/B, SFD-8/9, BCN-M1A, BCN-M4, M5, M6, M7, RSFD-1</b> which includes beams, gussets plates, angles, etc... Quantity specified is fixed quantity.</p>	65.000	MT	3,290.00	2,13,850.00



2	Same as above item no. 1 but structural steel like Head frames, Tail Frames, Bend Frames, Snub Frames Hoods, Chutes, Skirt Boards, Stringer and short post of BCN-6A/B, BCN-7A/B, BCN-8A/B, SFD-4A1, A2, B1, B2, BCN-7C/D which includes beams, gussets plates, angles, etc... Quantity specified is fixed quantity.	90.000	MT	3,290.00	2,96,100.00
3	Same as above item no. 1 but structural steel of Stringer & short support of yard conveyor of BCN-M1A comprising of steel sections like ISMC 125/150 mm, ISMB 150 mm and angles of 75 / 65 mm. Quantity specified is fixed quantity.	65.000	MT	3,290.00	2,13,850.00
4	Same as above item no. 1 but structural steel of crusher body and Vibrating screen comprising of build-up sections of plates, stiffeners, etc... for Crusher 1 & 2, New PCRS, Lime Crusher A & B, Limestone Vibrating Screens A & B. Quantity specified is fixed quantity.	270.000	M2	131.60	35,532.00
5	Same as above item no. 1 but take-up structures & Trestles of BCN-6A/B, BCN-5A/B, BCN-13A/B, BCN-4A/B, BCN-M3A, BCN-M2A, BCN-M1A, BCN-M4, BCN-M5, BCN-M6 & BCN-M7 complete trestles & take up structures from ground floor to top floor which includes columns, beams, bracings, trestles, plates, floor beams, floor plates, etc... The Maximum height of the structures shall be around 40M. Quantity specified is fixed quantity.	382.290	MT	3,290.00	12,57,734.10



6	<p>Providing and applying one coat of minimum 40 micron DFT High Build ZP Primer and two coats of High Gloss Synthetic Enamel paint, each coat of minimum 25 micron DFT of approved colour shade on structural steel including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust &amp; scale by wire brushing, power tool cleaning, mechanical scrapers, etc... &amp; final surface cleaning with cotton waste before application of primer (in case of application of primer is delayed due to any reason, the surface preparation shall be redone at no extra cost to GIPCL), including providing approved MS pipe scaffolding with clamps, safety nets, cherry packers, covering the surrounding areas with plastic sheet/tarpaulin wherever required, etc... as directed by Engineer-in-charge and as per manufacturer's detail technical specifications with all materials, labour, tools &amp; tackles, standard safety tools &amp; tackles, standard safety PPEs, etc.... complete at all elevations of Junction towers and galleries like Junction tower no. JNT-2A, 2B, JNT-2, JNT-9, JNT-10 &amp; JNT-11 and Gallery for BCN-1A, BCN-2B, BCN-M5, BCN-M6 &amp; BCN-M4 which includes columns, beams, bracings, trestles, plates, floor beams, floor plates, etc... The Maximum height of the structures shall be around 25M. Quantity specified is fixed quantity.</p>	806.000	MT	2,624.00	21,14,944.00
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Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
7	<p>Providing and applying one coat of minimum 40 micron DFT High Build ZP Primer and two coats of High Gloss Synthetic Enamel paint, each coat of minimum 25 micron DFT of approved colour shade on structural steel including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust &amp; scale by wire brushing, power tool cleaning, mechanical scrapers, etc... &amp; final surface cleaning with cotton waste before application of primer (in case of application of primer is delayed due to any reason, the surface preparation shall be redone at no extra cost to GIPCL), including providing approved MS pipe scaffolding with clamps, safety nets, cherry packers, covering the surrounding areas with plastic sheet/tarpaulin wherever required, etc... as directed by Engineer-in-charge and as per manufacturer's detail technical specifications with all materials, labour, tools &amp; tackles, standard safety tools &amp; tackles, standard safety PPEs, etc.... complete at all elevations of <b>Phase-I In-Plant Lignite Stock Pile Shed structure which includes columns, beams, bracings, trestles, truss, plates, etc... (comprising of steel sections like equal angles of size 150, 130, 110, 90 and gussets of plate thickness 10 mm). The maximum elevation of the Lignite Shed is 32M. Quantity specified is fixed quantity.</b></p>	1475.000	MT	3,136.00	46,25,600.00
8	<p>Same as above item no. 7 but outer surface of structural steel of Chutes &amp; Skirt Boards and Hoods of JNT-1, Old SCH, JNT-8, JNT-4, JNT-8/9/10/11, JNT-12, OLD PCH, JNT-13, JNT-2A, JNT-2B, New Secondary Crusher House (SCH), New Primary Crusher House (PCH). Quantity specified is fixed quantity.</p>	201.400	MT	2,624.00	5,28,473.60



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
9	Same as above item no. 7 but structural steel of Stringer & short support, deck plate of all running conveyors of BCN-6A, 6B, BFD-7A/B/C/D, BCN-5A/B, BCN-13A/B, BCN-4A/B, BCN-2A/B/2C, RBFD-2, SFD-1, BCN-1A, RBFD-6, BCN-M3A, BCN-M2A, BFD-10A/B, SFD-8/9, BCN-M1A, BCN-M4/M5, M6, M7, RSFD-1 which comprising of steel sections like ISMC 150/125 mm and ISA 75/65 mm. The deck plate shall be painted from top only. The deck plate quantity has be considered 50% only considering top coat only. Quantity specified is fixed quantity.	468.000	MT	2,624.00	12,28,032.00
10	Same as above item no. 7 (colour shade shall be Golden Yellow) but structural steel of Bucket Wheel Reclaimer (BWR) Machine, comprising of heavy built-up, beams, plates bracings, roller frames stringer shorts supports, all equipments in bucket wheel recalimer including electrical house, CCRD, PCRD, operator cabin, mast structures, chutes, canopy, rail bogies, bucket wheel reclaimer including buckets, hand rails, etc... Colour shade shall be Golden Yellow. Approx height of the Machines is around 22M.Quantity specified is fixed quantity.	260.000	MT	2,624.00	6,82,240.00
11	Same as above item no. 7 but structural steel of Limestone Mill Building A, B & C including chutes, hoppers, screw conveyor, bag filters, etc... which includes columns, beams, bracings, plates, floor beams, Monorail beams, floor plates, etc... The maximum elevation of the Crusher Building is 30M. Quantity specified is fixed quantity.	525.000	MT	2,624.00	13,77,600.00
12	Same as above item no. 7 (Final Painting coat shall be Dark Brown shade) but structural steel of Air Receiver Tanks = 12 Nos. (100 M2) and K-Pumps = 4 Nos. (50 M2). Final coat shall be dark brown. Quantity specified is fixed quantity.	150.000	M2	105.00	15,750.00
13	Same as above item no. 7 (Final Paint shall be Sky Blue shade) but structural steel of Conveyinng Air Compressor Line (150 NB Pipe). Quantity specified is fixed quantity.	200.000	M2	105.00	21,000.00
	<b>Total estimated Amount (PKG-A) &gt;&gt;&gt;</b>				<b>1,26,10,705.70</b>



**PACKAGE- B**

Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
1	Providing and applying one coat of minimum 40 micron DFT High Build ZP Primer and two coats of High Gloss Synthetic Enamel paint, each coat of minimum 25 micron DFT of approved colour shade on structural steel including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust & scale by wire brushing, power tool cleaning, mechanical scrapers, etc... & final surface cleaning with cotton waste before application of primer (in case of application of primer is delayed due to any reason, the surface preparation shall be redone at no extra cost to GIPCL), including providing approved MS pipe scaffolding with clamps, safety nets, cherry packers, covering the surrounding areas with plastic sheet/tarpaulin wherever required, etc... as directed by Engineer-in-charge and as per manufacturer's detail technical specifications with all materials, labour, tools & tackles, standard safety tools & tackles, standard safety PPEs, etc.... complete at all elevations for Fly Ash Pipe Rack Near ESP columns Unit 3 & 4. Quantity specified is fixed quantity.	9.280	MT	2,560.00	23,756.80
2	Same as above item no. 1 but Fly Ash Pipe Rack Bridge between Unit 3 & 4. Quantity specified is fixed quantity.	12.540	MT	2,560.00	32,102.40
3	Same as above item no. 1 but Pipe Rack from Silo to Silo. Quantity specified is fixed quantity.	8.980	MT	2,560.00	22,988.80
4	Same as above item no. 1 but from Grid No. 8 (near Chimney Phase-II) up to FA Staircase (near FAS-3 & 4). Quantity specified is fixed quantity.	96.970	MT	2,560.00	248,243.20
5	Same as above item no. 1 but Staircase of Fly Ash Silo. Quantity specified is fixed quantity.	48.200	MT	2,560.00	123,392.00
6	Same as above item no. 1 but Structural members at Operating platforms of Fly Ash Silo-1, 2 and Bed Ash Silo-1, 2 as well as Structural members at Bed Ash Silo-1, 2 Top (Roof). Quantity specified is fixed quantity.	30.000	MT	2,560.00	76,800.00

E-Tender for "Surat Lignite Power Plant - 4X125 MW, Unit # I to IV: Industrial Painting Works of various plant structures & equipments of LLHS, AHS, chimney, Lignite Bunker Building, ESP Structure, Boiler equipments, Electrical equipments, TG & BOP Structures, Civil Structures, buildings and Colony quarters & infrastructure etc." Bid No.: SLPP/Civil/Industrial & Civil Painting/2017-18/



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
7	Same as above item no. 1 but Structural members of Bed Ash Pipe rack, Bed Ash Staircase of Phase-I (Trestles/ Girders between Unit-1 & Unit-2 Boilers and between Unit-2 and Bed Ash Staircase nearby Bed Ash Silos-1 & 2). Quantity specified is fixed quantity.	50.000	MT	2,560.00	128,000.00
<b>Total estimated Amount (PKG-B) &gt;&gt;&gt;</b>					<b>6,55,283.20</b>



**PACKAGE- C**

Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
1	Providing and applying one coat of minimum 90 micron DFT High Build self priming epoxy primer (Composition: Modified epoxy, cured with polyamidoamine) and two coats of Acrylic Polyurethane glossy finish paint (Composition: Acrylic resin with urethane hardener, cured with aliphatic isocyanides), each coat of minimum 30 micron DFT of approved colour shade on structural steel including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust & scale by fresh water jet cleaning, wire brushing, power tool cleaning, mechanical scrapers, etc... & final surface cleaning with cotton waste before application of primer (in case of application of primer is delayed due to any reason, the surface preparation shall be redone at no extra cost to GIPCL), including providing approved MS pipe scaffolding with clamps, safety nets, cherry packers, covering the surrounding areas with plastic sheet/tarpaulin wherever required, etc... as directed by Engineer-in-charge and as per manufacturer's detail technical specifications with all materials, labour, tools & tackles, standard safety tools & tackles, standard safety PPEs, etc.... complete at all elevations <b>for 02 nos. of Bed Ash conveyor. Quantity specified is fixed quantity.</b>	200.000	M2	128.50	25,700.00
2	Same as above item no. 1 but 02 nos. of Lignite Conveyor. Quantity specified is fixed quantity.	240.000	M2	128.50	30,840.00
3	Same as above item no. 1 but 04 nos. of Lime Feeder with pipes. Quantity specified is fixed quantity.	53.680	M2	128.50	6,897.88
4	Same as above item no. 1 but 02 nos. of PA fan Supporting structure and lub oil unit. Quantity specified is fixed quantity.	48.000	M2	128.50	6,168.00





Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
5	Same as above item no. 1 but 02 nos. of SA fan Supporting structure and lub oil unit. Quantity specified is fixed quantity.	48.000	M2	128.50	6,168.00
6	Same as above item no. 1 but 02 nos. ID fan Supporting structure. Quantity specified is fixed quantity.	48.000	M2	128.50	6,168.00
7	Same as above item no. 1 but 04 nos. of Hydraulic Coupling for Phase-1. Quantity specified is fixed quantity.	75.360	M2	128.50	9,683.76
8	Same as above item no. 1 but 04 nos. of Inter mediate bed ash bin Silo. Quantity specified is fixed quantity.	1440.000	M2	128.50	185,040.00
9	Same as above item no. 1 but Bed Ash Silo. Quantity specified is fixed quantity.	360.000	M2	128.50	46,260.00
10	Same as above item no. 1 but Blowers and supporting structure. Quantity specified is fixed quantity.	360.000	M2	128.50	46,260.00
11	Same as above item no. 1 but 02 nos. of Lignite Bunker. Quantity specified is fixed quantity.	1360.000	M2	128.50	174,760.00
12	Same as above item no. 1 but 02 nos. of Lime Stone Bunker. Quantity specified is fixed quantity.	600.000	M2	128.50	77,100.00
13	Same as above item no. 1 but 08 nos. of ID Fan I/L , O/L gates , ESP I/L , O/L gates. Quantity specified is fixed quantity.	32.000	M2	128.50	4,112.00
14	Same as above item no. 1 but 02 nos. of Ash Cooler 1 & 2. Quantity specified is fixed quantity.	60.000	M2	128.50	7,710.00
15	Providing and applying hybrid polymer Anti Corrosive, Heat Resistant (up to 200 degree C), self priming & fast drying coating for 90-100 micron DFT of approved colour shade including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust & scale by wire brushing, power tool cleaning, mechanical scrapers, etc... & final surface cleaning with cotton waste before application of primer (in case of application of primer is delayed due to any reason, the surface preparation shall be redone at no extra cost to GIPCL), including providing approved MS pipe scaffolding with clamps, safety nets, cherry packers, covering the surrounding areas with plastic sheet / tarpaulin				



	wherever required, etc... as directed by Engineer-in-charge and as per manufacturer's detail technical specifications with all materials, labour, tools & tackles, standard safety tools & tackles, standard safety PPEs, etc.... complete at all elevations <b>for 02 nos. of Lignite Rotary air lock Feeder. Quantity specified is fixed quantity.</b>	32.000	M2	167.00	5,344.00
16	Same as above item no. 15 but 02 nos. of Cyclone (From Seal pot to Back Pass inlet). Quantity specified is fixed quantity.	2000.000	M2	167.00	334,000.00
17	Same as above item no. 15 but 02 nos. of Burner Assembly. Quantity specified is fixed quantity.	12.560	M2	167.00	2,097.52
18	Same as above item no. 15 but Misc. Pipe lines, valve related painting. Quantity specified is fixed quantity.	300.000	M2	167.00	50,100.00
19	Same as above item no. 15 but EBFP (Engine and Pump) including pipe lines. Quantity specified is fixed quantity.	400.000	M2	167.00	66,800.00
20	Same as above item no. 15 but 10 nos. of Hoist Painting. Quantity specified is fixed quantity.	200.000	M2	167.00	33,400.00
21	Same as above item no. 15 but 02 nos. of APH tube sheet (Inside area only) for PA and SA bottom module. Quantity specified is fixed quantity.	24.000	M2	167.00	4,008.00
	<b>Total estimated Amount (PKG-C) &gt;&gt;&gt;</b>				<b>11,28,617.16</b>



**PACKAGE- D**

Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
1	Providing & applying one coat of minimum 40 micron DFT High Build ZP Primer and two coats of High Gloss Synthetic Enamel paint, each coat of minimum 25 micron DFT of approved colour shade (first coat bottle green and second coat sea green), with spray/brush on outer surfaces of various MS pipe lines and MS tanks including noting the identification nos. prior to starting of work and shall be written back by skilled painter with black oil paint over yellow back ground after painting work, surface preparation by thoroughly cleaning of oil, dirt, dust, rust & scale by wire brushing, chisels, buffing wheel, emery paper, power tool, final surface cleaning with cotton waste (clearance should be obtained from Engineer-in-charge before starting primer. In case of application of primer is delayed due to any reason, the surface preparation shall be redone at no extra cost to GIPCL). Scope includes providing approved MS pipe scaffolding with clamps, covering the surrounding areas with plastic sheet/tarpaulin as required. All works complete as directed by Engineer-in-charge and as per manufacturer's detail technical specifications with all materials, labour, tools & tackles, standard safety tools & tackles, standard safety PPEs, etc.... complete at all elevations for following estimated quantity of piping network and tanks:- 50M Cooling tower riser of Phase-2.	385.000	M2	102.50	39,462.50
2	Same as above for 50M Phase-1 CW make station	120.000	M2	102.50	12,300.00
3	Same as above for @50M Raw water pump discharge line piping.	65.000	M2	102.50	6,662.50
4	Same as above for @100M Raw water line pertain to 50 Dia/32 Dia/12.5 Dia clarifier area.	130.000	M2	102.50	13,325.00
5	Same as above for @250M Service water line from service water overhead tank to service building area.	215.000	M2	102.50	22,037.50



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
6	Same as above for @500M Service water line from service water overhead tank to LHS area.	345.000	M2	102.50	35,362.50
7	Same as above for @1500M Guarding water line from ash plant to plant area.	540.000	M2	102.50	55,350.00
8	Same as above for @70M Phase-1 & 2 SSF area water line.	90.000	M2	102.50	9,225.00
9	Same as above for @200M Phase-1 & 2 SSF area water line.	175.000	M2	102.50	17,937.50
10	Same as above for @1500M Emergency cooling water piping of phase-1 & 2.	795.000	M2	102.50	81,487.50
11	Same as above but brown colour shade for @2000M All screw pumps discharge line.	565.000	M2	102.50	57,912.50
12	Same as above for 300M Service water overhead tank overflow line to FWPH.	260.000	M2	102.50	26,650.00
13	Same as above for @400M Phase-1 & 2 Clarifer water to DM Plant.	215.000	M2	102.50	22,037.50
14	Same as above for 1 no. of Phase-2 Degassed water storage tank in smoke grey colour shade.	300.000	M2	102.50	30,750.00
15	Same as above for 1 no. of ECW Tank in sea green colour shade.	350.000	M2	102.50	35,875.00
16	Same as above for 4 nos. of Phase-2 ACW Overhead tank in sea green colour shade.	200.000	M2	102.50	20,500.00
17	Same as above for 5 nos. of Phase-1 CW Pump stool pieces in sea green colour shade.	50.000	M2	102.50	5,125.00
18	Same as above for 3 nos. of Phase-2 CW Pump stool pieces in sea green colour shade.	20.000	M2	102.50	2,050.00



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
19	Providing and applying one coat of minimum 90 micron DFT High Build self priming epoxy primer (Composition: Modified epoxy, cured with polyamidoamine) and two coats of Acrylic Polyurethane glossy finish paint (Composition: Acrylic resin with urethane hardener, cured with aliphatic isocyanides), each coat of minimum 30 micron DFT of approved colour shade, as per manufacturer's recommendations, on structural steel including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust and scale by wire brushing, chisels, buffing wheel, emery paper, power tool, final surface claning with cotton waste (clearance should be obtained from Engineer-in-charge before starting primer. In case of application of primer is delayed due to any reason, the surface preparation shall be redone at no extra cost to GIPCL). Scope includes providing approved MS pipe scaffolding with clamps, covering the surrounding areas with plastic sheet/tarpaulin as required. All works complete as directed by Engineer-in-charge and as per manufacturer's detail technical specifications with all materials, labour, tools & tackles, standard safety tools & tackles, standard safety PPEs, etc.... complete at all elevations for following estimated quantity of various structures:- Phase-1 & 2 SSF area	20.000	MT	3,210.00	64,200.00
20	Phase-1 & 2 CW forebay EOT crane Crane & monorail.	20.000	MT	3,210.00	64,200.00
21	Raw water pump house structures & monorail.	30.000	MT	3,210.00	96,300.00
22	Phase-2 CW chlorination area monorail.	5.000	MT	3,210.00	16,050.00
23	Phase-1 & Phase-2 CT cable tray support structures.	20.000	MT	3,210.00	64,200.00
24	Phase-1 & Phase-2 DM Plant structures & platforms (inside & outside).	150.000	MT	3,210.00	481,500.00
<b>Total estimated Amount (PKG-D) &gt;&gt;&gt;</b>					<b>12,80,500.00</b>



**PACKAGE- E**

Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
1	<p>Providing &amp; applying one coat of High Build ZP Primer and two coats of High Gloss Synthetic Enamel paint of approved colour shade with spray on outer surfaces of various electrical equipments including noting the equipment identification nos. prior to starting of work and shall be written back by skilled painter with black oil paint over yellow back ground after painting work, surface preparation by thoroughly cleaning of oil, dirt, dust, rust &amp; scale by wire brushing, emery paper, power tool, entire transformer &amp; bus duct body should be cleaned by blowing air, rubbed with clean cloth followed with kerosene soaked cloth so as to de-grease &amp; remove any oil stains and then clean with soap solution, final surface cleaning with cotton waste (clearance should be obtained from Engineer-in-charge before starting primer. In case of application of primer is delayed due to any reason, the surface preparation shall be redone at no extra cost to GIPCL). Wherever erosion is observed due to rusting of metal (especially on transformer radiators) the same should be first smoothed by application of Lapi. Scope includes providing approved MS pipe scaffolding with clamps, covering the surrounding areas with plastic sheet/tarpaulin as required. The site of transformer may have airborne particles. The transformers should therefore be covered with polythene/plastic sheet to protect the painted surface from settling of foreign particles. Protect the name plate details and other details which forms important history for the equipment. The paint should be wiped off immediately over such name plates when the primer/paint is wet. All works complete as directed by Engineer-in-charge and as per manufacturer's detail technical specifications with all materials, labour, tools &amp; tackles, standard safety tools &amp;</p>				



	tackles, standard safety PPEs, etc.... complete at all elevations for following equipments:- (A). 2 nos. of 150 MVA, 230KV/10.5KV transformer with all accessories & fitments (GT - Phase-1 Main Plant), each of 1915 M2.	3830.000	M2	102.50	3,92,575.00
2	(B). Painting of 2 nos. of 25 MVA, 230KV/6.9KV transformer with NGT, NGR and all accessories & fitments as per tender specification including all identifications (ST Main Plant), each of 396 M2.	792.000	M2	102.50	81,180.00
3	(C). Painting of 2 nos. of 18 MVA, 10.5KV/6.9KV transformer with with NGT, NGR all accessories & fitments as per tender specification including all identifications (UAT - Phase-1 Main Plant), each of 352 M2.	704.000	M2	102.50	72,160.00
4	(D). Painting of 10 nos. of 2000KVA, UST-A & B, SST-A & B transformer with all accessories & fitments as per tender specification including all identifications (UST-A & B, SST-A & B Main Plant, LLHS - A & B, NEW PCH-A&B), each of 93 M2.	930.000	M2	102.50	95,325.00
5	(E). Painting of 4 nos. of 1600KVA, 6.6/0.433KV transformer with all accessories & fitments as per tender specification including all identifications (ESP X MER Main Plant), each of 70.35 M2.	281.390	M2	102.50	28,842.48
6	(F). Painting of 12 nos. of 1250 KVA, 6.6/0.433KV transformer with all accessories & fitments as per tender specification including all identifications (CWPH & CLWPH X MER Main Plant, AHS-A,B & C, OLD PCH-A&B, NEW SCH-A&B LLHS area), each of 41.0 M2.	492.000	M2	102.50	50,430.00
7	(G). Painting of 8 nos. of 500KVA, 6.6/0.433KV transformer with all accessories & fitments as per tender specification including all identifications (RAW WATER Main Plant and one at Bodhan Pump house, AWR-A&B, LMS-A&B, MINES SITE OFFICE LLHS area), each of 21 M2.	168.000	M2	102.50	17,220.00
8	(H). Painting of 4 nos. of 1600KVA, 6.6/0.433KV transformer with all accessories & fitments as per tender specification including all identifications (NEW F/B - 1,2,3 & 4 LLHS area), each of 82.0 M2.	328.000	M2	102.50	33,620.00



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate (Rs.)	SoR Amount (Rs.)
9	(I). Painting of 9000 Ampere Generator Isolated Phase Bus duct (3 Runs each of 57.25 Mtr length and Diameter of 1070mm + 3 runs each of 3.25 Mtr. length and diameter of 620 mm).	1192.000	M2	102.50	1,22,180.00
10	(J) Painting of transformer bus ducts including bust duct canopy cover painting at both side( 24 NOS)	972.000	M2	102.50	99,630.00
11	(K) Painting of various panels, JB's, Isolator boxes including support/ mounting angles & channels (payments shall be made based on actual measurments)	500.000	M2	102.50	51,250.00
12	(L). Painting of 2 nos. of 1000KVA, 11/6.6KV transformer with all accessories & fitments as per tender specification including all identifications ( Bodhan pump house - 16Km away from plant), each of 30.36 M2.	60.720	M2	102.50	6,223.80
13	(M)Painting of 96KVA, 433V/45KVDC rectifier-transformer with all accessories & fitments alongwith its connection box and support structures as per tender Specification including all identifications. 24 nos each 12 M2	288.000	M2	102.50	29,520.00
14	(N). Painting of Phase-II 220kV Current Transformer tank and top portion (12 X 2.9)	34.800	M2	102.50	3,567.00
15	(O). Painting of Phase-II 220kV EMVT tank and top portion. (6 x 1)	6.000	M2	102.50	615.00
16	(P). Painting of Phase-II 220kV Line and GT bay MK. ( 6 X 5.30)	31.800	M2	102.50	3,259.50
17	(Q). Painting of Phase-II 220kV Line & GT bay CT JB. (9 X 2.3)	9.230	M2	102.50	946.08
18	(R). Painting of Phase-II 220kV Line & GT bay CVT JB. (2 X 1.6)	3.200	M2	102.50	328.00
19	(S). Painting of Phase-II 220kV bus EMVT JB. (2 X 1.25)	2.500	M2	102.50	256.25
20	(T). Painting of Phase-II 220kV breaker local panel (5 X 3.4)	17.000	M2	102.50	1,742.50
21	(U). Painting of Phase-II 220kV breaker mechanism box (15 X 1.2)	18.000	M2	102.50	1,845.00
22	(V). Painting of Phase-II GT-4 cooling fan with motor and safety grill ( 12 X 1.6)	19.000	M2	102.50	1,947.50
	<b>Total estimated Amount (PKG-E) &gt;&gt;&gt;</b>				<b>10,94,663.10</b>





**PACKAGE- F**

Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
1	Providing and applying one coat of minimum 40 micron DFT High Build ZP Primer and two coats of High Gloss Synthetic Enamel paint, each coat of minimum 25 micron DFT of approved colour shade on structural steel including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust & scale by wire brushing, power tool cleaning, mechanical scrapers, etc... & final surface cleaning with cotton waste before application of primer (in case of application of primer is delayed due to any reason, the surface preparation shall be redone at no extra cost to GIPCL), including providing approved MS pipe scaffolding with clamps, covering the surrounding areas with plastic sheet/tarpaulin wherever required, etc... as directed by Engineer-in-charge and as per manufacturer's detail technical specifications with all materials, labour, tools & tackles, standard safety tools & tackles, standard safety PPEs, etc.... complete at all elevations of <b>Phase-II Lignite Bunker from ground floor to bunker floor which includes columns, beams, bracings, trestles, plates, etc... up to 40M height considering fixed provided quantity.</b>	647.000	MT	2,816.00	18,21,952.00
2	Same as above item no. 1 but for structural steel of Unit-3 and Unit-4 ESP which includes columns, beams, bracings, trestles, plates, staircase, platforms, hand rails, etc... up to 40M height considering fixed provided quantity.	850.000	MT	2,560.00	21,76,000.00
3	Same as above item no. 1 but for structural steel of pipe & cable rack structures (balance structure from previous) of Phase-II (Unit-3 & 4).	500.000	MT	2,560.00	12,80,000.00
4	Same as above item no. 1 but for structural steel of 118M high Phase-1 Chimney inside staircase & platforms which includes steel beams, columns, bracings, trestles, plates, gratings, hand rails, tread & risers, etc... complete.	200.000	MT	2,560.00	5,12,000.00



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate (Rs.)	SoR Amount (Rs.)
5	Same as above item no. 1 but for structural steel of various industrial structures at different locations of power plant on actual site measurement basis.	250.000	MT	2,560.00	6,40,000.00
6	Same as above but quantity on M2 basis.	500.000	M2	102.50	51,250.00
7	Providing and applying one coat of minimum 90 micron DFT High Build self priming epoxy primer (Composition: Modified epoxy, cured with polyamidoamine) and two coats of Acrylic Polyurethane glossy finish paint (Composition: Acrylic resin with urethane hardener, cured with aliphatic isocyanides), each coat of minimum 30 micron DFT of approved colour shade on structural steel including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust & scale by wire brushing, power tool cleaning, mechanical scrapers, etc... & final surface cleaning with cotton waste before application of primer (in case of application of primer is delayed due to any reason, the surface preparation shall be redone at no extra cost to GIPCL), including providing approved MS pipe scaffolding with clamps, covering the surrounding areas with plastic sheet/tarpaulin wherever required, etc... as directed by Engineer-in-charge and as per manufacturer's detail technical specifications with all materials, labour, tools & tackles, standard safety tools & tackles, standard safety PPEs, etc.... complete at all elevations of <b>various structures as directed by Engineer-in-charge. Payment will be made for actual quantity ordered and certified by GIPCL as per requirement.</b>	250.000	MT	3,210.00	8,02,500.00
8	Same as above but quantity on M2 basis.	500.000	M2	128.50	64,250.00
	<b>Total estimated Amount (PKG-F) &gt;&gt;&gt;</b>				<b>73,47,952.00</b>



**PACKAGE- G**

Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
1	Providing and painting interior surfaces with two coats of approved first quality Acrylic Distemper paint of approved manufacture, colour and shade including cleaning of existing painted surface, removing dirt, dust, loose paint, filling cracks with approved crack filler, filling undulations with POP for making uniform surface (at required place only), scaffolding etc. complete at all elevation with all materials, labour, tools & tackles, safety tools & tackles, including shifting of racks, cupboards, tables etc. for painting of wall and repositioning of the same after completing the work, etc... all complete as directed by Engineer-in-charge	1000.00	Sqm	40.93	40,930.00
2	Providing and painting MS window of Z section with MS square bar with two coats of synthetic enamel paint, each coat of average 25 micron, including cleaning of existing painted surface, removing all rust, dirt, dust, loose paint, providing required scaffolding, with all materials, labour, tools & tackles, safety tools & tackles at all height including cost of scaffolding, etc. all complete as per instructions of Engineer-in-charge. Area shall be measured for finished opening size on one side i.e. if size of window opening is 2.80x1.50 and painted on both side, payment will be made considering one side only.	1000.00	Sqm	63.93	63,930.00
3	Providing and painting MS Door, Rolling shutter, Wooden door, MS columns, angles, MS tanks, plates, etc... with two coats of synthetic enamel paint, each coat of average 25 micron, with required synthetic thinner including cleaning of existing painted surface, removing all rust, dirt, dust, loose paint, providing required scaffolding, with all materials, labour, tools & tackles, safety tools & tackles at all height including cost of scaffolding, etc. all complete as per instructions of Engineer-in-charge. Rates are including painting of frames. Payment shall be made on measurement of out to out frame of door				



	i.e. area payable for one doors/rolling shutters of 2.06 x 0.9 sqm opening size is 2x2.06x0.9 sqm for painting inside and outside face of door/rolling shutter.	500.00	Sqm	75.93	37,965.00
4	Same as above item no. 3 but painting includes first one coat of average 25 micron red oxide primer and then two successive coats of synthetic enamel paint.	1000.00	Sqm	75.93	75,930.00
5	Same as above item no. 3 but with two coats of approved make & type of Epoxy enamel paint, each coat of average 50 micron, including required epoxy based thinner like Thinner 844.	500.00	Sqm	200.93	1,00,465.00
6	Same as above item no. 5 but painting includes first one coat of average 25 micron Epilux-610 or approved equivalent epoxy red oxide primer and then two successive coats of approved Epoxy enamel paint.	500.000	Sqm	175.93	87,965.00
7	Same as above Item no.: 4, but outer painting of 50mm dia. MS pipe railing. Length of painted pipe will be considered for measurement.	1000.00	RM	45.93	45,930.00
8	Same as above Item no.: 4, but required quantity of primer and paint materials with thinner will be issued by GIPCL from store at free of cost. Necessary transportation, safe storage, optimum utilization as per standard coverage area, reconciliation, returning empty paint drums, etc... will be in the scope of contractor.	1000.00	Sqm	35.93	35,930.00
9	Labour charges for applying one coat of average 25 micron red oxide zinc phosphate primer to the steel structure including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust and scale by wire brushing, power tool cleaning, applying one coat of primer. Primer & thinner shall be issued from GIPCL store at free of cost. Necessary transportation, safe storage, optimum utilization as per standard coverage area, reconciliation, returning empty paint drums, etc... will be in the scope of contractor.	1000.00	Sqm	18.93	18,930.00



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
10	Same as above item but labour charges for one coat of Epilux-610 or approved equivalent epoxy red oxide primer.	1000.00	Sqm	19.93	19,930.00
11	Labour charges for applying two coats of synthetic enamel paint, each coat of average 25 micron, to the steel structure including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust and scale by wire brushing, power tool cleaning, applying two successive coats of synthetic enamel paint. Paint & thinner shall be issued from GIPCL store at free of cost. Necessary transportation, safe storage, optimum utilization as per standard coverage area, reconciliation, returning empty paint drums, etc... will be in the scope of contractor.	1000.00	Sqm	35.93	35,930.00
12	Labour charges for painting two coats of epoxy paint to the steel structure including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust and scale by wire brushing, power tool cleaning, applying two coats of epoxy paint each coats of 50 micron thickness, including scaffolding, arrangement of platform for working at height etc. as directed by Engineer-in-charge with all labour, tools and tackles, safety tools and tackles etc.... complete at all elevations. Paint & thinner shall be issued from GIPCL store at free of cost. Necessary transportation, safe storage, optimum utilization as per standard coverage area, reconciliation, returning empty paint drums, etc... will be in the scope of contractor.	1000.00	Sqm	39.93	39,930.00
13	Providing & painting of Barbed wire fencing with approved first quality aluminium paint. Barbed wire 10 straight rows and 4 cross rows in each span. Length of fencing will be considered for measurement. Painting of MS angle posts/RCC post shall be measured separately and same shall be paid in respective items as above.	1000.00	RM	45.93	45,930.00



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
14	Providing and painting interior surfaces with two coats of first quality approved Oil paint of approved manufacture, color and shed including cleaning of existing painted surface, removing dirt, dust, loose paint, filling cracks with approved crack filler, filling undulations with POP for making uniform surface (at required place only), scaffolding etc. complete at all elevation with all materials, labour, tools & tackles, safety tools & tackles, including shifting of racks, cupboards, tables etc. for painting of wall and repositioning of the same after completing the work etc... all complete as directed by Engineer-in-charge .	1000.00	Sqm	65.93	65,930.00
15	Providing and applying to exterior surfaces two coats of first quality approved exterior emulsion paint of "Berger - Walmasta" or "Asian" make ACE exterior emulsion paint of approved color and shed over a coat of exterior sealer on existing painted surfaces as per manufacturer's recommendations including cleaning of existing surface using wire brush, removing all dirt, dust, filling of cracks with approved crack filler, preparing surface for applying painting evenly ,scaffolding etc. complete at all elevation as directed by Engineer-in-charge with all materials, labour, tools & tackles, safety tools & tackles etc... all complete.	8000.000	Sqm	58.93	4,71,440.00
16	Providing and applying two coats white washing (lime paint) of approved manufacture with mixing of "Fevicol" or equivalent approved adhesive @ 200gm per 10kg lime, on existing painted surfaces including cleaning of existing surface using wire brush, removing all dirt and dust, preparing surface for applying painting evenly, scaffolding at all elevation with all materials, labour, tools & tackles, safety tools & tackles etc... all complete as directed by Engineer-in-charge.	1000.00	Sqm	15.93	15,930.00
17	Same as above item but applying two coats Geru & lime on tree stem for bottom up to 1.50M height as directed by Engineer-in-charge.	500.00	No.	20.93	10,465.00



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
18	Providing and painting interior surface with two coats of "Berger - Silky Luxury Emulsion" or "Asian - Royal Luxury Emulsion" paint of approved colour and shade as per manufacturer's recommendation including cleaning of existing painted surface, removing dirt, dust, loose paint, filling cracks with approved crack filler, filling undulation with POP for making uniform surface (at required place only), applying approved primer as per manufacturer's recommendations with tools, tackles, safety tools & tackles, scaffolding etc. complete at all elevation as directed by Engineer in charge. (Rates are including shifting of racks/cupboard tables etc. for painting wall and reshifting to the same location after completing the work).	3000.000	Sqm	85.93	2,57,790.00
19	Providing and applying to exterior surfaces two coats of "Asian - Apex Weather proof exterior emulsion" or "Berger - Weather coat" exterior emulsion paint of approved color and shed over a coat of exterior sealer on existing painted surfaces as per manufacturer's recommendations, including cleaning of existing surface using wire brush, removing all dirt and dust, filling cracks with approved crack filler, preparing surface for applying painting evenly, scaffolding etc. complete at all elevation as directed by Engineer-in-charge with all materials, labour, tools and tackles, safety tools & tackles etc... all complete.	8000.00	Sqm	68.93	5,51,440.00
20	Providing and painting surface with two coats of first quality approved oil paint for road side concrete curb blocks in two alternate black and white colour including surface cleaning with wire brush.	1000.00	RM	45.93	45,930.00
21	Providing and applying two coats of first quality approved aluminum paint (each coats of minimum 20 micron thickness) of 2.4 mtr. high chain link fencing including providing painting of chain link from inside and outside supporting members fabricated from angles, gates and its supporting including cleaning of existing				



	<p>Painted surface for removing all dust and dirt, cleaning surface with wire brush and sand papers up to maximum possible extent and then applying two coats of aluminum paint with brush, providing scaffolding and safety tools, tackles, all required paint material, labours etc. complete up to the entire satisfaction of Engineer-in-charge.</p>	1000.00	Sqm	55.93	55,930.00
22	<p>Same as above but painting of steel structures of PVC coated chain link fencing.</p>	1000.00	Sqm	55.93	55,930.00
23	<p>Providing and painting interior surface with two coats of first quality approved acrylic emulsion paint of approved manufacture, colour and shade including cleaning of existing painted surface, removing dirt, dust loose paint, filling cracks with crack filler, filling undulation with POP for making uniform surface (at required place only), tools, tackles, safety tools and tackles, scaffolding etc. complete at all elevation as directed by Engineer in charge. (Rates are including shifting of racks/cupboard tables etc. for painting wall and reshifting to the same location after completing the work).</p>	5000.00	Sqm	65.93	3,29,650.00
24	<p>Providing &amp; applying approved French polish on the wooden members/ veneers including preparation of surfaces, filling of putty wherever required &amp; applying smooth uniform polish to the satisfaction of Engineer-in-charge.</p>	50.00	Sqm	475.93	23,796.50
25	<p>Providing &amp; applying approved Melamine polish on the wooden members/ veneers including preparation of surfaces, filling of putty wherever required &amp; applying smooth uniform polish to the satisfaction of Engineer-in-charge.</p>	50.00	Sqm	525.93	26,296.50
26	<p>Supply of painter with tools &amp; tackles for painting work of any kind at Plant with free issue of paint, primer, thinner, etc... by GIPCL. Rate will be for per day eight working hours.</p>	25.00	Man-Day	375.93	9,398.25
	<b>Total estimated Amount (PKG-G) &gt;&gt;&gt;</b>				<b>25,69,621.25</b>





**PACKAGE- H**

Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
1	Providing and painting interior surfaces with two coats of Oil Bound Distemper paint of approved manufacture, color and shade including cleaning of existing painted surface, removing dirt, dust, loose paint, filling cracks with approved crack filler, filling undulations with POP for making uniform surface (at required place only), scaffolding etc. complete at all elevation with all materials, labour, tools & tackles, safety tools & tackles, including shifting of racks, cupboards, tables etc. for painting of wall and repositioning of the same after completing the work, etc... all complete as directed by Engineer-in-charge .For payment actual treated area shall be measured. No coefficient applicable.	13000.00	Sqm	31.80	4,13,400.00
2	Providing and applying two coats of white washing paint on existing surface of approved manufacture with mixing of "Fevicol" or equivalent approved adhesive @ 200gm per 10kg lime & Blue, on existing painted surfaces including cleaning of existing surface using wire brush, removing all dirt and dust, preparing surface for applying painting evenly, scaffolding at all elevation with all materials, labour, tools & tackles, safety tools & tackles etc... all complete as directed by Engineer-in-charge.	7000.00	Sqm	14.97	1,04,790.00
3	Providing and painting two coats of synthetic enamel paint(approved make and shade) on wood/iron surface including cleaning of existing painted surface, removing all rust, dirt, dust, loose paint, providing required scaffolding, with all materials, labour, tools & tackles, safety tools & tackles at all height including cost of scaffolding, etc. all complete as per instructions of Engineer-in-charge. For payment area shall be measured as per mentioned mode of measurement. No coefficient applicable.	6000.00	Sqm	44.31	2,65,860.00



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
4	Same as above item no. 3 but for one coat of red oxide primer.	50.00	Sqm	55.20	2,760.00
5	Providing and painting two coats of synthetic enamel paint (approved make and shade) on MS railing fabricated from 32NB MS/GI pipe of 1 mtr high vertical at every approx. 1 mtr. and 4 nos 15NB horizontal pipe including cleaning of existing painted surface, removing all rust, dirt, dust, loose paint, providing required scaffolding, with all materials, labour, tools & tackles, safety tools & tackles at all height including cost of scaffolding, etc. all complete as per instructions of Engineer-in-charge. For payment area shall be measured in Rmt .No coefficient applicable.	200.00	RM	15.51	3,102.00
6	Providing and applying melamine polish (ASIAN MAKE) in two coats over a sealer coat. surface to be applied polish shall be sand papered throughly to remove dirt greese oil spots, and minor variations in the surface. use 50 %matt finish and 50% glossy melamine polish. only surface area will be measured and paid for no measurement in rft/rmt shall be paid.	450.00	Sqm	99.30	44,685.00
7	Providing and applying to exterior surfaces two coats of exterior emulsion paint of "Berger - Walmasta" or "Asian" make ACE exterior emulsion paint of approved color and shed over a coat of exterior sealer on existing painted surfaces as per manufacturer's recommendations including cleaning of existing surface using wire brush, removing all dirt, dust, filling of cracks with approved crack filler, preparing surface for applying painting evenly ,scaffolding etc. complete at all elevation as directed by Engineer-in-charge with all materials, labour, tools & tackles, safety tools & tackles etc... all complete. For payment actual treated area shall be measured. No coefficient applicable.	4469.50	Sqm	64.92	2,90,159.94



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
8	Providing and painting interior surface with two coats of acrylic emulsion paint of approved manufacture, colour and shade including cleaning of existing painted surface, removing dirt, dust loose paint, filling cracks with crack filler, filling undulation with POP for making uniform surface (at required place only), tools, tackles, safety tools and tackles, scaffolding etc. complete at all elevation as directed by Engineer in charge. (Rates are including shifting of racks/cupboard tables etc. for painting wall and reshifting to the same location after completing the work).For payment actual treated area shall be measured.No coefficient applicable.	500.00	Sqm	42.18	21,090.00
9	Providing and painting interior surface with two coats of "Berger - Silky Luxury Emulsion" or "Asian - Royal Luxury Emulsion" paint of approved colour and shade as per manufacturer's recommendation including cleaning of existing painted surface, removing dirt, dust, loose paint, filling cracks with approved crack filler, filling undulation with POP for making uniform surface (at required place only), applying approved primer as per manufacturer's recommendations with tools, tackles, safety tools & tackles, scaffolding etc. complete at all elevation as directed by Engineer in charge. (Rates are including shifting of racks/cupboard tables etc. for painting wall and reshifting to the same location after completing the work).For payment actual treated area shall be measured.No coefficient applicable.	250.00	Sqm	68.70	17,175.00
10	Providing and painting surface with two coats of oil paint (approved make) for road side concrete curb blocks in two alternate black and white colour including surface cleaning with wire brush.size of kerb stone is 400x200x100mm.	250.00	RM	31.80	7,950.00



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
11	Providing and cleaning of existing painted surface including removing of dirt, dust loose paint, filling cracks with crack filler, filling undulation with Birla White Putty for making uniform surface and prepare the base surface for painting work (at required place only), tools, tackles, safety tools and tackles, scaffolding etc. complete at all elevation as directed by Engineer in charge. for payment actual treated area shall be measured. No coefficient applicable.	100.00	Sqm	33.15	3,315.00
12	Providing and painting of false ceiling surface with two coats of acrylic emulsion paint including one coat of primer of approved manufacture, colour and shade including cleaning of existing painted surface, removing dirt, dust loose paint, filling undulation with POP for making uniform surface (at required place only), tools, tackles, safety tools and tackles, scaffolding etc. complete at all elevation as directed by Engineer in charge. (Rates are including shifting of racks/cupboard tables etc. for painting of false ceiling and reshifting to the same location after completing the work).for payment actual treated area shall be measured.No coefficient applicable.	50.00	Sqm	42.87	2,143.50
13	Providing and painting interior surfaces with One coat of Oil Bound Distemper paint of approved manufacture, color and shade including cleaning of existing painted surface, removing dirt, dust, loose paint (at required place only), scaffolding etc. complete at all elevation with all materials, labour, tools & tackles, safety tools & tackles, including shifting of racks, cupboards, tables etc. for painting of wall and repositioning of the same after completing the work, etc... all complete as directed by Engineer-in-charge.For payment actual treated area shall be measured. No coefficient applicable.	500.00	Sqm	22.98	11,490.00

E-Tender for "Surat Lignite Power Plant - 4X125 MW, Unit # I to IV: Industrial Painting Works of various plant structures & equipments of LLHS, AHS, chimney, Lignite Bunker Building, ESP Structure, Boiler equipments, Electrical equipments, TG & BOP Structures, Civil Structures, buildings and Colony quarters & infrastructure etc." Bid No.: SLPP/Civil/Industrial & Civil Painting/2017-18/



Sr. No.	Description	Estimated Quantity	Unit	SoR Rate Rs.	SoR Amount Rs.
14	Providing and applying two coat og "Geru"/"Chuna" on tree of any dia size including surface preparation, scaffolding, as directed by Engineer in charge.	300.00	Sqm	14.97	4,491.00
	<b>Total estimated Amount (PKG-H) &gt;&gt;&gt;</b>				<b>11,92,411.44</b>



## ABSTRACT OF ALL PAINTING SOR

PKG. NO.	Package Details	Amount in Rs.
A	Estimated SoR amount for structural steel painting of Lignite and Limestone Handling System area (Package-A)	1,26,10,705.70
B	Estimated SoR amount for structural steel painting of Ash Handling System area (Package-B)	6,55,283.20
C	Estimated SoR amount for structural steel painting of Boiler Auxiliary & Equipments with supports (Package-C)	11,28,617.16
D	Estimated SoR amount for structural steel painting of TG & BoP Auxiliary & Equipments with supports (Package-D)	12,80,500.00
E	Estimated SoR amount for structural steel painting of Electrical Auxiliary & Equipments with supports (Package-E)	10,94,663.10
F	Estimated SoR amount for structural steel painting under Civil scope (Package-F)	73,47,952.00
G	Estimated SoR amount for Plant Building & Infrastructure painting work (Package-G)	25,69,621.25
H	Estimated SoR amount for Colony Quarters & Infrastructure painting work (Package-H)	11,92,411.44
	<b>Total estimated amount &gt;&gt;&gt;</b>	<b>2,78,79,753.85</b>



## SECTION-F LIST OF ANNEXURES & FORMS

### 1.0 ANNEXURE-A

#### CHECKLIST FOR PASSING THE BILLS

- |  |                    |   |
|--|--------------------|---|
|  | For the month of : |   |
| 1) Work Order / P.O. No. & Contract value                      | :                  |   |
| 2) Nature of work  | :                  |   |
| 3) Duration of Work Order                                      | :                  | From _____ to _____   |
| 4) Maxi. No. of manpower per day deployed in the month.        | :                  | M _____ F _____ Total _____   |
| 5) Details of Labour License                                   | :                  | Valid up to _____ for _____ Persons.                                |
| 6) Details of E.C Policy                                       | :                  | Valid up to _____ for _____ Persons.                                |
| 7) Documents attached for verification for the previous month. | :                  | Wage & Attendance Sheets. <span style="float: right;">Yes/No</span> |
|  |                    | P.F Challan <span style="float: right;">Yes/No</span>               |
| 8) Documents attached for verification (in case of Final Bill) | :                  | Bonus Payment Register <span style="float: right;">Yes/No</span>    |
|  | :                  | Leave wage register <span style="float: right;">Yes/No</span>       |
| 9) Security Deposit / Retention Money lying with Co.           | :                  | Yes / No if yes, Rs. _____  |

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  
Dist. Surat  
Gujarat-394 110.

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/warrantee 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.

....2





(2)

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:



**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  
Dist.Surat-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 Rs..... 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.

Contd....2

E-Tender for "Surat Lignite Power Plant - 4X125 MW, Unit # I to IV: Industrial Painting Works of various plant structures & equipments of LLHS, AHS, chimney, Lignite Bunker Building, ESP Structure, Boiler equipments, Electrical equipments, TG & BOP Structures, Civil Structures, buildings and Colony quarters & infrastructure etc." Bid No.: SLPP/Civil/Industrial & Civil Painting/2017-18/



(2)

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 .....



#### 4.0 ANNEXURE-D

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 is 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.



## 5.0 ANNEXURE-E

### TOOLS AND TACKLES TO BE PROVIDED BY CONTRACTOR

<b>Sr. No.</b>	<b>Tools and equipments</b>	<b>Purpose/Use</b>
1	Knives	
	Putty knife	For applying putty to cover dents, undulations, cracks, knots in wooden surfaces.
	Scrapping knife	For removing old paints and hard materials form surface and not to use on oily or greasy surface directly.
	Chiesel knife	For cutting hard old thick paint
	Moulding knife or contour knife	For scrapping or rubbing on peculiarly shaped/contours like statue, ornamental carving, curved protions, etc.
	Pallet knife	For mixing the paint in drums
	Stencil knife	For cutting stencils
2	Brushes	
	Flat brush	For painting generally flat wooden and metal surfaces
	Round brush	For painting very large areas quickly for preparatory application.
	Curve brush	For painting curved surfaces of irregular design.
	Taper brush	For white washing covering large area of contact.
	Wall brush or ground brush	For painting walls
	White wash brush	For white washing
	Calcimine brush	For applying calcimine or water paint to ceiling and walls and not used for applying oil paint.
	Dust brush	For removing dust, dirt before painting
	Wire brush	For removing tightly adhering rust on metal surfaces.
	Stencil brush	For stencil work
	Artist brush	For lettering/arts
	Stippler brush	For painting on very rough surfaces.
3	Blow lamp	For removing thick old paint form metal surfaces by heating and not used on wood, glass, cement surfaces.
4	Pallet board	For mixing various colours by artists.



<b>Sr. No.</b>	<b>Tools and equipments</b>	<b>Purpose/Use</b>
5.	Plumb ball	For drawing vertical lines
6.	Emery sheets available in four types: Sand papers, Cloth emery, Waterproof emery, Abrasive stones	For removing unwanted materials and creating surface roughness.
7.	Shade card	For choosing shades of a single colour.
8.	Stencil paper	For cutting or making stencil
9.	Viscosity	For measuring the consistency or flow of paint.
10.	Elcometer	For measuring dry film thickness (DFT) of paint in microns and this works on electromagnetic principle.( 1 micron =0.001 mm)
11.	Gloss meter	For measuring gloss value of dry paint film.
12.	Wet flattening machine	For flattening the putty applied areas.
13.	Drop sheet	Available in the form of paper, gunny bag, polythene paper etc. to protect flooring and furniture from paint particularly used for ceiling and interior works.
14.	Ladder	Essentially used for painting ceiling, side walls, etc.
15.	Masking tape	For covering areas which are not to be painted.
16.	Paint bucket	For containing paints for painting.
17.	Straight edge/ruler	For drawing straight line bands, border line, etc.
18.	Strainer	For filtering the paint to remove dust, dirt and other insoluble materials before applying paint on the surface.
19.	Bush holder	For keeping brushes after completing the painting.
20.	Rubber block	For flattening small, curved areas where wet flattening machine can not be used.
21.	Spray Gun	For painting the surfaces by mode of spraying.



**6.0 ANNEXURE-F**



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

**SCHEDULE OF DEVIATION**

All the deviations from the general and special conditions of contract 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 GIPCL's General/ Special 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 GIPCL's General /Special Conditions, then the latter shall govern and will be binding on the BIDDER for quoted price.

COMPANY SEAL

.....

.....

SIGNATURE

NAME

DESIGNATION .....

COMPANY .....

DATE .....

E-Tender for "Surat Lignite Power Plant - 4X125 MW, Unit # I to IV: Industrial Painting Works of various plant structures & equipments of LLHS, AHS, chimney, Lignite Bunker Building, ESP Structure, Boiler equipments, Electrical equipments, TG & BOP Structures, Civil Structures, buildings and Colony quarters & infrastructure etc." Bid No.: SLPP/Civil/Industrial & Civil Painting/2017-18/



**7. Form-A**

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

Sr. No.	Name of Supervisor	Qualification	Experience

Contractor / Authorized Representative's  
Signature, Company's / Organization's Seal & Date

**8. Form-B**

**List of Tools & Tackles to be submitted with physical documents**

Sr. No.	Description	Nos.	Status

Contractor / Authorized Representative's  
Signature, Company's / Organization's Seal & Date