

	<b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b> <b>Bhavnagar Lignite Thermal Power Station</b> <b>At &amp; PO: Padva, Ta: Ghogha, Dist: Bhavnagar – 364050.</b> e-mail: <a href="mailto:cebtlps.gsecl@gebmil.com">cebtlps.gsecl@gebmil.com</a> , Website: <a href="http://www.gsecl.in">www.gsecl.in</a> , CIN: U40100GJ1993SGC019988	
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**TENDER BOOKLET**

**TECHNICAL BID**

(TO BE SUBMITTED in ONLINE Only on N-Procure Web Site.  
No hard copy of any tender documents will be accepted.)

<b>TENDER NO.</b>	<b>WE-127/11/862/BLTPS/2026</b>
<b>SECTION /RFQ</b>	<b>Civil/77043</b>
<b>NAME OF WORK</b>	<b>PU Grouting work at various locations in plant premises at BLTPS, Padva.</b>

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<b>NAME OF WORK :</b>	<b>PU Grouting work at various locations in plant premises at BLTPS, Padva.</b>
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	<b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b> <b>Bhavnagar Lignite Thermal Power Station</b> <b>At &amp; PO: Padva, Ta: Ghogha, Dist: Bhavnagar – 364050.</b> e-mail: <a href="mailto:cebltps.gsecl@gebmail.com">cebltps.gsecl@gebmail.com</a> , Website: <a href="http://www.gsecl.in">www.gsecl.in</a> , CIN: U40100GJ1993SGC019988	
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## SECTION-A

- ❖ **ACKNOWLEDGEMENT OF TENDER FEE /EMD.**
- ❖ **TENDER NOTICE.**

	<b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b> <b>Bhavnagar Lignite Thermal Power Station</b> <b>At &amp; PO: Padva, Ta: Ghogha, Dist: Bhavnagar – 364050.</b> e-mail: <a href="mailto:cebtltps.gsecl@gebmail.com">cebtltps.gsecl@gebmail.com</a> , Website: <a href="http://www.gsecl.in">www.gsecl.in</a> , CIN: U40100GJ1993SGC019988	
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**TENDER FEE PAID SECTION-A**

**ACKNOWLEDGMENT**

**E-Tender for the work of “PU Grouting work at various locations in plant premises at BLTPS, Padva.”**

**TENDER FEE PAID VIDE / RTGS / NEFT NO. \_\_\_\_\_**

**DATED \_\_\_\_\_ RS. \_\_\_\_\_**

**EARNEST MONEY DEPOSIT PAID VIDE / RTGS / NEFT NO. \_\_\_\_\_**

**DATED \_\_\_\_\_ RS. \_\_\_\_\_**

1. All the Bidders will be required to pay Tender Fees plus applicable GST as mentioned in the Tender document either in Cash (up to Rs. 10,000/- only) at the office address specified in the tender document or by RTGS/ NEFT/online.
2. If the EMD amount is more than Rs.3 Lakhs, it should be paid either by RTGS/ NEFT/Online or Demand Draft or Banker’s Cheque or Pay Order or Bank Guarantee. Otherwise it should be paid either in Cash (up to Rs. 10,000/- only) at the office address specified in the tender document or by RTGS/ NEFT/online.

**Bank account details of GSECL BLTPS are as under:**

**Name of bank** : State Bank of India, Koliyak  
**IFSC Code** : SBIN0060191  
**Account No** : 00000037955942125  
**MICR Code** : 364002010

Kindly provide paid receipt details on following email ID invariably:

1. [eetechbltps.gsecl@gebmail.com](mailto:eetechbltps.gsecl@gebmail.com)
2. [dycaobltps.gsecl@gebmail.com](mailto:dycaobltps.gsecl@gebmail.com)

**SIGNATURE OF CONTRACTOR  
ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD  
BLTPS, Padva.**

### TENDER NOTICE

#### E - TENDER NO: WE-127/11/862/BLTPS/2026

Add. Chief Engineer (Generation) BLTPS invites “On line Tenders” (e-tendering) for the Supply / Work of below subject item. Tender Papers & Specifications may be down loaded from Web site <https://tender.nprocure.com> (For view, down load and on line submission) and GSECL Website [www.gsecl.in](http://www.gsecl.in) & [www.guvnl.com](http://www.guvnl.com). (For view & down load only). **All the relevant documents of tender (Notarized or self-attested) [Technical bid in pdf form (with 300 dpi or higher) and Price bid on n-procure only] are to be uploaded in pdf form on n-procure portal only. PLEASE NOTE THAT, NO HARD COPY DOCUMENTS SHALL BE ACCEPTED**

RFQ No.	Name of Work	Time Limit	Tender Fee Rs.	E.M.D. Rs.
77043	PU Grouting work at various locations in plant premises at BLTPS, Padva.	<b>06 (Six) calendar Months</b>	<b>1500.00 + 450.00 (18% GST) =</b> <b>₹ 1770.00</b> One Thousand Seven Hundred and Seventy Rupees Only	<b>₹ 13500.00</b>  Thirteen Thousand Five Hundred rupees only

#### Important Dates:

Sr. No	Event	Date & Time
1	Last date of Bid down loading up to 17.30 Hrs	<b>As per Tender Notice No. 127</b>
2	Last date for On line Bid submission(E-tendering) Technical Bid (including Tender Fee & EMD payment details) and Price bid offer up to <b>17.30 Hrs</b>	<b>As per Tender Notice No.127</b>
3	Date of opening of Technical bid At 18.00 hrs onwards. (If possible) of Bid Submission.	<b>Party has to be in touch with website <a href="https://tender.nprocure.com">https://tender.nprocure.com</a> and also with e-mail sent by above website</b>
4	Date of Opening of Price Bid.	<b>Party has to be in touch with website <a href="https://tender.nprocure.com">https://tender.nprocure.com</a> and also with e-mail sent by above website</b>
5	Validity of Tender from the date of actual opening of Technical Bid	120 Days (Supply) 180 Days (Works)

**SIGNATURE OF CONTRACTOR**  
**ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD**  
**BLTPS, Padva.**

## IMPORTANT

1. Proof of payment of EMD wherein case EMD amount is exceeding Rs. 3,00,000/- made through RTGS/NEFT/ Online/ Demand Draft (Wherever it is applicable)/ Bank Guarantee (Wherever it is applicable) for EMD should be reached at this office in due date and time as mentioned in tender notice. No tender shall be accepted / opened in any case after due date and time of receipt of Proof of payment of tender fee and EMD irrespective of delay due to Postal Services or any other reasons and that the GSECL shall not assume any responsibility for late receipt of the tender.
2. Price Bid shall not be submitted in Hard copy.
3. All the Bidders will be required to pay Tender Fees plus applicable GST as mentioned in the Tender document either in Cash (up to Rs. 10,000/- only) at the office address specified in the tender document or by RTGS/ NEFT/online.
4. **TENDERS SUBMITTED WITHOUT TENDER FEE WILL NOT BE ACCEPTED.**
5. The Tender Fees is Non-refundable under normal circumstances. However, if GSECL decides to scrap/ cancel the tender, by one or another reason, in which bidders are not responsible for cancellation/ scrap of tender, in such case tender fee may be refunded to bidder(s), at sole discretion of the purchase company.
6. If the EMD amount is more than Rs.3 Lakhs, it should be paid either by RTGS/ NEFT/Online or Demand Draft or Banker's Cheque or Pay Order or Bank Guarantee. Otherwise it should be paid either in Cash (up to Rs. 10,000/- only) at the office address specified in the tender document or by RTGS/ NEFT/online.
7. The bidder shall have a separate Provident Fund Code of RPFC in the name of company. The bidder, who does not possess such separate P.F. code, shall not be considered for acceptance of tender. The contractor has to submit attested copy of such certificate showing P.F. code along with the tender.
8. Attested copy of PAN No. & GST certificate.
9. Attested copy of work experience certificate for the similar works executed.
10. List of work in progress.
11. Attested copy of firm registration [Applicable only to the firms registered under Company Law]
12. Attested copy of partnership deed. [Applicable only to the partnership firms.]
13. Attested copy of power of attorney, if any, for signing the bid document.
14. Details of equipment, tools and plants immediately available with the tenderer for use of this work.
15. Details of technical personnel with designation working in agency.
16. Any other documents required to verify technical, financial capability of the bidders & other Credentials
17. Undertaking duly Notarized as per attached Declaration Form

All above mentioned such documents should be strictly uploaded in N-procure only otherwise the offer will not be considered and no any further communication in the matter will be entertained

- 1) In case any deviation is found in Data / Details / Documents between on line offer (e-tendering) and physically submitted documents then such tender will not be considered and no any further communication in the matter will be entertained. Tenders must be un-conditional. Conditional Tenders will be rejected.
- 2) The bidder is requested to upload the downloaded tender document, condition of the contract, specification & other relevant documents, except as stated here above along with sign and seal of firm on each pages by online (n)procure while bid submission in (n)procure. Instead of the same, the bidder shall upload the duly Notarized Undertaking as stated below declaration form on the stamp paper of Rs.300/-.

However, bidder may download tender document & preserve with them in Hard Copy for their future reference. Later on, L1 bidder shall be asked to collect the tender documents from the tender inviting authorities for the purpose of contract agreement execution and place their signature with seal of the company.



- 3) It is mandatory for all the bidders to submit their tender documents viz. on-line (e-tendering) and uploading on (n)procure in scheduled time. Tender documents submitted in physical form will not be accepted and considered with Tender Fee and EMD details cover. Also, all bidders shall submit required Physical documents as stated in Tender Notice.
  - 4) GSECL reserves the rights to reject any OR all tenders without assigning any reasons thereof.
  - 5) Tender Notice Number & name of the work shall be clearly written on the covers containing the any correspondences, if required.
  - 6) Technical / Price Bids will be opened on the day and time indicated in the tender notice by an Officer nominated by the Purchaser in the presence of such of the bidders who wish to be present.
- Any technical questions, information and clarifications that may be required pertaining to this tender should be referred to the CHIEF ENGINEER (GEN.), BLTPS / STATION HEAD, BLTPS. Also during pre-bid meeting (if arranged) the same may please be discussed.

### **Third-Party Inspection:**

#### **1. Having estimated cost up to Rs. 1.0 Crore (without tax)**

All bidders shall submit the details/documents in support of Technical Qualification Requirements duly certified and verified for authenticity from specified Third-Party Inspection Agency (TPIA) or Statutory Auditor of their Company or Practicing CA/CA Firm along with a certificate regarding verification of authenticity of documents as per the format placed at Annexure-1. All the documents submitted by the bidder in support of meeting Technical QR only shall be digitally signed by the specified Third-Party Inspection Agency (TPIA) or Statutory Auditor of their Company or Practicing CA/CA Firm.

#### **~~2. Having estimated cost above Rs. 1.0 Crore (without tax)~~**

~~All bidders shall submit the details/documents in support of Technical Qualification Requirements duly certified and verified for authenticity from specified Third-Party Inspection Agency (TPIA) along with a certificate regarding verification of authenticity of documents as per the format placed at Annexure-1. All the documents submitted by the bidder in support of meeting Technical QR only shall be digitally signed by the specified Third-Party Inspection Agency (TPIA).~~

The verification and certification of authenticity of documents is acceptable from any of the following Third Party Inspection Agencies (TPIAs):

1. M/s Competent Inspectorate and Consultants Pvt. Ltd., Hyderabad, India
2. M/s Gulf Lloyds Industrial Service India Pvt. Ltd., Ahmedabad
3. M/s International Certifications Services
4. M/s Intertek India Pvt. Ltd.
5. M/s SGS India Pvt. Ltd.
6. M/s Moody International (India) Pvt. Ltd.
7. M/s TUV SUD South Asia (P) Ltd.
8. M/s TUV Rheinland (India) Pvt. Ltd.
9. M/s Bureau Veritas (India) Pvt. Ltd.
10. Hertz Inspection & Services Pvt. Ltd.
11. IRCLASS Systems and Solutions Pvt. Ltd.

Bidders shall be responsible for getting their documents/credentials verified and certified by the specified Third-Party Inspection Agency (TPIA) or Statutory Auditor of their Company or Practicing CA/CA Firm in support of Technical QR. All costs pertaining to third-party verification and certification (including those by statutory auditors) shall be borne by the bidder. GSECL shall have no liability (financial or otherwise) towards the same and shall not be liable for any claim/dispute between the bidder and the specified Third-Party Inspection Agency (TPIA) or Statutory Auditor of their Company or Practicing CA/CA Firm. Verification for authenticity shall not be applicable in following cases:

1. Bidders having proven track record or regular suppliers/contractors (i.e. OEM/OES/PSUS).
2. Past order copies of GSECL as these documents can be verified internally.

**Annexure-1**

**Undertaking from Third Party Inspection Agency/Statutory Auditor or Practicing CA/CA Firm**

(On letter head digitally signed by a person duly authorized to Sign on behalf of the firm)

Ref:

Date:

**To,**

Bhavnagar Lignite Thermal Power Station  
Gujarat State Electricity Corporation Limited  
Vi. Padva, Ta. Ghogha, Di. Bhavnagar-364050.

**Subject:** Authentication of veracity of documents submitted by M/s ..... in support of Meeting the Qualifying Requirements.

**Ref.:** Tender no. ....

Name of the Package/ Tender: .....

Dear Sir,

M/s. .... (hereinafter called Bidder) having Registered office at ..... intend to participate in above referred tender of GSECL.

The tender condition stipulates that the bidder shall submit supporting Documents pertaining to Qualifying Requirement duly verified and certified by Third-Party Inspection Agency (TPIA) or Statutory Auditor of their Company or Practicing CA/CA Firm as per the list mentioned in the bidding documents.

In this regard, it is hereby confirmed that we have examined the following documents, which are also attached with this letter. The same has been verified from the Original Documents and / or Client for authenticity.

We hereby confirm that the following documents are found to be genuine and authentic.

1. Doc ref. no. .... Dated ..... (Name of Documents)
2. Doc ref. no. .... Dated ..... (Name of Documents)
3. ....

All the aforesaid documents have been digitally signed by us as a certificate of authenticity.

We further confirm that we neither have any vested interest in aforesaid tender nor have any conflict of interest in respect of above tender.

This certificate is issued at the request of M/s ..... (Bidder) for the purpose of participating in the subject tender/s.

Thanking you,

.....

**SIGNATURE OF CONTRACTOR  
ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD  
BLTPS, Padva.**



## **Annexure-A**

### **(Eligibility for exemption in Tender fee & EMD)**

1. Micro & small-scale enterprises which participate directly in tendering process for the product which they are manufacturing / service which they are providing and have Udyam registration for items / service under procurement.

**Note:**

- Micro & Small Enterprises (MSEs) who participates directly in the tendering process as Manufacturers or Service Providers, and holds a valid Udyam Registration, are eligible for exemption from payment of Earnest Money Deposit (EMD).
  - Agencies registered under Udyam in the categories of Traders, Re-sellers, or similar Categories (i.e. other than Manufacturers/Service Providers) are not eligible for EMD exemption
2. Start-ups which participate directly in tendering process for the product which they are manufacturing / service which they are providing and recognised by DPIIT under the Start-up India Program and has obtained Udyam registration.
  3. Organization which has registration certificate for the manufacturing product of them tender, from Gujarat Khadi Gramodyog Board or Khadi and Village Industries Commission (K.V.I.C) or Commissioner of Cottage Industries.
  4. Board/Corporations/PSUs of the Central/State Government for their own manufactured items.
  5. State Government recognized organizations like (i) organizations for blinds, dumb and deaf, disabled, mentally disabled persons; (ii) women's self-help group recognized by Gujarat Livelihood Promotion Company; which participate directly in tendering process for the product which they are manufacturing / service which /they are providing.
  6. OEM and service providers rendering services directly or by its own and having annual turnover of INR 500 Crore or more.
  7. Sellers/Service Providers holding BIS license for the Primary Product Category whose credentials are validated through BIS database.

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## SECTION-B

- ❖ **DECLARATION FORM CUM UNDER TAKING TO BE SIGNED BY BIDDER**
- ❖ **RTGS DETAILS OF BIDDER**
- ❖ **PROJECT SYNOPSIS AND DATA**
- ❖ **SCOPE OF WORK AND SITE CONDITION**
- ❖ **SPECIAL NOTE FOR PRE-QUALIFICATION**
- ❖ **GENERAL INSTRUCTION TO THE BIDDER**

## **DECLARATION FORM**

<b>NAME OF WORK :</b>	<b>PU Grouting work at various locations in plant premises at BLTPS, Padva.</b>
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Tender No. / RFQ No.:

1. I/We hereby declare that I/We have carefully studied the entire tender placed on the WEB site and conditions of contract, specifications and other documents of this work mentioned in the tender and abide by the same. Also, I/We hereby agree to execute the same accordingly.
2. I/We hereby abide to execute the contract agreement by downloading the copies of the conditions of contract, specifications and other documents of this work or otherwise I/we will get copy of the same from the office of the tender inviting authority and the same will be acceptable to me/us.
3. I/We hereby accept and confirm that any dispute on this regard shall not be entertained by the tender inviting authority.
4. I/We hereby declare that I/We have visited the work site and fully acquainted myself/ourselves with the local situations regarding materials, labour and other factors pertaining to the work before submitting the tender.
5. I/We hereby confirm that our offer is Un-conditional and without any technical & commercial deviations.
6. Should this tender be accepted, I /We hereby agree to abide by to fulfill all the terms-conditions and provision of the Tender and Contract for Works as applicable and default thereof, to forfeit and to pay to the Gujarat State Electricity Corporation Limited the sums of money due.
7. The full value of the “Earnest Money Deposit” paid herewith should be absolutely forfeited to the Corporation, should I/ we do not deposit the specified amount of specified Security Deposit within 10 Days from receipt of the Letter of Intent.
8. If, I fail to submit all required documents with application or tender copy ( in each tender ) then my tender will be cancelled, which is binding to me.
9. If, full or part work will be given to me, it will be accepted to me with same terms, rate & conditions.
10. I, \_\_\_\_\_ proprietor / owner / partner / Authorized Agent of M/s. \_\_\_\_\_ do hereby also declare and undertake as under:
11. A to C .....
  - a) That I have covered all the eligible employee/s under the Employees’ Provident Funds and Miscellaneous Provisions Act, 1952 and deposited the contributions under my PF Code No. \_\_\_\_\_, place: \_\_\_\_\_ for the month/s of my contractual period and as such no amount towards contribution whatever is payable.
  - b) I further declare and undertake that in case any liability pertaining to any of my worker, labour, employee/s is/are to be discharged by the principle employer i.e. Gujarat State Electricity corporation Limited, \_\_\_\_\_ Thermal Power Station due to my lapse, I undertake to reimburse the same or the principle employer is authorized to deduct the same from my dues as payable.
  - c) I further declare and undertake the legal consequences which may arise in future under the said work order awarded, and I bond myself to resolve the same at the risk and cost of M/s. \_\_\_\_\_.

12. I / We \_\_\_\_\_ authorized signatory of  
M/s \_\_\_\_\_ here by certify that M/s  
\_\_\_\_\_ and their proprietor / any partner / any directors  
of the firm is not stop deal and / or banned for business dealing and / or black listed by GUVNL and /  
or their any subsidiary company viz. GSECL / GETCO / DGVCL / MGVL / UGVCL / PGVL as  
well as Government and / or Semi Government company / department.

**Seal & Signature of the Bidder**

<b>Address :</b>	
<b>Phone No.</b>	
<b>Mobile No.</b>	
<b>E-mail ID :</b>	

# RTGS DETAIL OF BIDDER

<b>NAME OF WORK :</b>	<b>PU Grouting work at various locations in plant premises at BLTPS, Padva.</b>
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Following **RTGS** details shall be submitted by agency along with the tender for direct deposit of payment to the beneficiary account. Bidder has to submit the details as under:

1.	Name of Bidder	⋮	
2.	Address for correspondence	⋮	
3.	E-Mail ID	⋮	
4.	Phone / Mobile No.	⋮	
5.	Name of Beneficiary	⋮	
6.	Bank Account Number of beneficiary	⋮	
7.	Name of Bank of beneficiary	⋮	
8.	Name of Bank, branch & address	⋮	
9.	Type of account	⋮	
10.	Bank Code	⋮	
11.	RTGS Code	⋮	
12.	IFSC Code	⋮	

**SIGNATURE OF CONTRACTOR**

# PROJECT SYNOPSIS AND DATA

1.	Location	Bhavnagar thermal power plant
2.	Purchaser	Gujarat state electricity Corporation Ltd.
3.	Engineer	Chief Engineer(Generation)
4.	Site of Project	Bhavnagar thermal power plant, Dist.- Bhavnagar, Gujarat(India)
5.	Nearest town	Bhavnagar(25km)
6.	Nearest Railway Station	Bhavnagar(25km),Broad Gauge
7.	Nearest Port	Pipavav port
8.	Nearest Air Port	Bhavnagar(28km)
9.	Access Road	Road Highway 1.0km from state highway SH-25/1
10.	Site Elevation from MSL	---
11.	Meteorological Data	
	* Ambient Air temperature	
1	Highest monthly mean of daily Max Temperature ( In $^{\circ}\text{C}$ )	45 $^{\circ}\text{C}$
2	Maximum dry bulb Temperature ( In $^{\circ}\text{C}$ )	
3	Minimum dry bulb Temperature ( In $^{\circ}\text{C}$ )	
	* Rainfall	
1	Average annual rainfall (In mm)	
2	For 01 hour ( In mm)	
3	For 24 hour ( In mm)	
	* Wind velocity	
1	Maximum wind velocity (In m/sec	
2	Wind direction – N,NE & SW	
3	For 24 hour ( In mm)	
	* Relative Humidity	
1	Annual mean humidity (In %)	55 %
2	Maximum humidity (In %)	79%
3	Minimum humidity (In %)	36%
	4 Type of Atmosphere	
12.	* Design Data :	
	Seismic Data	
	Zone	FOUR
	Intensity	
	Ambient temperature	
	Other Data	

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## SCOPE OF WORK AND SITE CONDITIONS

The main scope of the work is **PU Grouting work at various locations in plant premises at BLTPS, Padva**. Under the scope of this tender the agency has to carry out the subject work, various civil works as per all items of Schedule B and as per detail technical specifications of the items. The quantities taken under individual items are very tentative. However the agency has to carry out the works as per the Company's requirements.

The agency has to carry out the works as per item & specifications of the tender by providing all materials of best quality and of standard manufactures as the samples approved by EIC and providing best workmanship through expert manpower.

The agency has to carry out the works as per the priority & schedule given by EIC time to time even in on or off working hours of the office. The agency will take complete care and will not damage any other structure in premises of company.

The agency has to carry out all the works by taking all due cares of safety, security norms, with all risks including scaffolding, strutting, shoring, etc. up to any height irrespective of quantum of the work.

Contractor has to make arrangement for workable site condition with the cooperation of departments of company and agencies, all necessary arrangement to get work permit is to be made by contractor. Day to day cleaning is required after completion of job. The removed materials and any other unwanted materials are to be transported and taken away as instructed by EIC.

All safety measures shall be taken by the contractor with his own cost.

The scope of work to be carried out by the Contractor shall also include Clearance of the site, Disposal of debris, excavated material etc.

The major works involvement generally mentioned as here under---

**“ Any Type of Grouting work and water proofing work”.**

The works like Housekeeping / painting/ horticulture / Anti-Termite treatment / Mass Earthwork / Fabrication/Fencing/Landscaping/Man power supply will not be considered

**SIGNATURE OF CONTRACTOR**  
**ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD**  
**BLTPS, Padva.**



## SPECIAL NOTE FOR PRE-QUALIFICATION

NAME OF WORK :	PU Grouting work at various locations in plant premises at BLTPS, Padva.
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The bidders who wish to participate in the bidding shall satisfactorily establish that they fulfil the following Qualifying Requirements in addition to the satisfactory fulfilment of the requirements stipulated under tender condition:

### A. Technical qualification criteria:

- 1) The bidder should have executed / completed similar works during the last seven (7) years in Government / semi government / state electricity board / private limited company / public limited company / IPP , as on last date of the month preceding the month of publication of tender, having minimum contract /order values as indicated below :
    - a) One similar completed work order of value not less than the amount equal to 3,60,000.00 of the estimated cost.

OR

  - b) Two similar completed work order, each of value not less than the amount equal to 2,25,000.00 of the estimated cost.
- OR
- c) Three similar completed work order, each of value not less than the amount equal to 1,80,000 of the estimated cost.

**Similar work means: “Any Type of Grouting work and water proofing work”.**

**Note:** Experience as a joint venture or sub-contractor is not allowed and price bid of such bidders will be rejected.

### B. Financial qualification criteria:

- 1) The Average Annual Turnover of the bidder, shall not be less than **30% of Tender Estimate value** during the preceding **three (3)** financial years as one date of Techno-Commercial bid opening.
- 2) The net worth of the bidder firm must be positive.
- 3) The bidder must submit copy of Income Tax (I-T) returns for the last three financial years, with technical bid.
- 4) The bidder must submit Average Annual Turnover and Net worth Certificate in support of Financial QR, duly certified and verified for authenticity from Independent Statutory Auditor of their company / Practicing Chartered Accountant/ C.A. Firms / TPIA (Third-Party Inspection Agency ) empaneled / approved by GSECL .
- 5) Copy of Balance sheet of Profit &loss account dully audited by C.A of at least 3 financial years.

### Other requirements:

- 6) Bidder should have a separate valid GST registration number and PAN Number.
- 7) Copy of P.F. code from the appropriate provident fund authorities.

- 8) Labour License for Labour Contract: The contractor on getting the work order but before starting the work shall have to furnish the copy of Labour License under the Contract Labour (Regulation & Abolition) from the appropriate authorities. Also required workman group insurance policy covering labour engaged.
- 9) Details of Registered Partnership Deed in Case of Partnership Firm, Power of attorney if any and copy of firm registration if the firm is registered under company law.
- 10) The bidder must submit performance certificates or satisfactory work completion certificates (issued directly by the utility) or Copy of Processed Final Bill of the executed / submitted PO from the utility. Bidders shall be required to submit all the documents, in support of Technical QR (Such as copies of Purchase orders/work orders / Contract Agreements, Client Certificates, etc), duly certified and verified for authenticity by the Independent Statutory Auditor of their company / Practicing Chartered Accountant/ C.A. Firms / TPIA (Third-Party Inspection Agency) empaneled/approved by GSECL.
- 11) Tender fee & EMD will be applicable as per NIT.

**SIGNATURE OF CONTRACTOR**  
**ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD**  
**BLTPS, Padvā.**

## GENERAL INSTRUCTIONS TO THE BIDDERS

### 1. SUBMISSIOIN OF TENDER

The tender should be uploaded/submitted online on n-procure process.

**Technical bid cover: -** Bidder shall have to submit All require document through online (n)procure process only.

**Note: -** If attested copies of qualifying documents stated as prescribed in tender notice are not found in on-line Technical bid, but same should be submitted by mail during scrutiny will be treated as final to consider the bid for pre-qualification. Any missing documents, if required will be asked from the bidder as mentioned in this tender elsewhere. If party has not submitted tender in online is liable to be ignored.

#### Technical Bid

“Please note that the Notarized / self-attested copies of original required documents should be invariably uploaded in n-procure portal before due date and time in pdf form (Scanned copy). This is mandatory.

#### PRICE BID:

**The price bid shall have to be submitted online only.** The percentage rates and price shall be written both in words, and figures and the units in words. In case of any ambiguity or mistakes, the unit rates and prices written in words shall be considered as final.

Offered rate shall include cost of all Materials, wastage of material , Labours for all leads and lifts, Supervision, setting out works, Machinery and equipment with its mobilization / demobilization, transportation charges, Clearing of the site both prior to commencement and after completion of work. Consumables such as, but not limited to petrol, oil, diesel, lubricants, drill bits, pipes, ropes etc. Construction facilities such as scaffolding, tarpaulins, wind break, etc., Overheads / profits of Contractor for due performance of the work under this contract.

All royalties, sales tax, toll tax, local tax, development charges, VAT tax, and any other taxes including works contract tax etc., in respect of this contract and also any statutory variation in future towards above mentioned taxes & any other taxes if levied in future by statutory authority applicable to the this contract shall be payable by the contractor and GSECL will not entertain any claim whatsoever in this respect.

The rates will be "Excluding the GST", the reimbursement against “GST” will be paid to the contractor as per Govt. Rules & Regulations. Contractor has to ascertain that whether he is availing abatement for GST purpose or not. If no clarification is received, it shall be assumed that the contractor is availing benefit of abatement.

Further information required, if any, can be had from the office of the Chief Engineer (Gen.), GSECL, BLTPS. But it must be clearly noted that the tenders must be received complete in every respect by the due date and time.

- (a) The bidder must clearly quote rates in figure as well as in words. In case of any discrepancy, whatever written in words shall prevail.
- (b) **No deviation in terms & conditions, Schedule-B and technical specifications will be entertained. Any ignorance for this shall not relieve the contractor from his contractual**

**liability arising as per tender documents and conditions contained in it.**

- (c) The bidders are required to quote only firm prices. No variation will be accepted on price/ raw materials/ finished products or on any other cause.
- (d) The bidders should note that the completion of above mentioned works in all respect in accordance with the time limit given is very important and should be strictly adhered to. The work is to be completed in time limit from the date of issue of written order to commence the work by the Chief Engineer (Gen.), GSECL, BLTPS.
- (e) The bids should be valid for a minimum period of **180 Days** from the date of opening of technical bid. During this period tenderer shall not be allowed to withdraw their tender and if withdrawn, the Earnest Money Deposit submitted with the tender will be forfeited.
- (f) The works covered under these specification shall be carried-out and governed by “Tender and contract for Works” booklet appended herewith except where conditions specified in this specifications.
- (g) The successful bidder shall have to enter in to an agreement for contract as per G.S.E.C.L rules on a stamp paper of Rs.300/- and necessary stamp duty charge shall be borne by the contractor / consultant. You will also have to execute indemnity bond for workmen compensation worth Rs.300.00 and should be presented along with above contract agreement and necessary stamp duty charge shall be borne by the contractor / consultant.
- (h) The complete specification comprises of the following.

Bill of Quantities (Schedule-B), instructions to the bidders, Tender specifications and scope of work, Tender and contract for Works booklet, General Conditions, Instructions to bidder & Technical specifications. All these sections are complimentary to each other. The particulars and requirements contained herein shall cover the execution of the works covered under these specifications.
- (i) The tenderer must visit the site of works and see for himself the site conditions regarding availability of approach road during all seasons and other matters affecting the above works before submitting the tender.
- (j) The submission of tender by a contractor implies that he has read these instructions the conditions of contract etc. and has himself aware of the scope and specifications of the work to be done and of conditions and local conditions and other factors bearings on the execution of the works. GSECL will not therefore after acceptance of contractor's rate pay any extra charge for any other reason; in case the contractor is found later on to have misjudged the site condition.
- (k) GSECL's authorized officers who accepts tender, shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest offer nor to assign any reason whatsoever for the rejection of any tender or all tenders.
- (l) Bidders shall provide evidence of their continued eligibility to the satisfaction of the owner.
- (m) Bidders shall not be listed under a declaration of ineligibility for corrupt or fraudulent Practices issued by the Govt., the list of black listed Contractors announced by GSECL (erstwhile GEB) Govt. of Gujarat or its Public Sector undertakings or the contractors who are under stop dealing in GUVNL and /or their any subsidiary company viz. GETCO/MGVCL/UGVCL/PGVCL/DGVCL.
- (n) The bid, and in case of a successful bid, the Form of Contract Agreement, shall be signed with the name of Firm / company which will be legally binding on all partners / parties.
- (o) If the application is made by an individual, it shall be signed by the individual above his full typed written name and current address.

- (p) If the application is made by a proprietary firm. It shall be signed by the proprietor above his full typed written name and the full name of his firm with its current address.
- (q) If the application is made by a partnership firm, it shall be signed by all the partners of the firm above their full type written names and current addresses or alternatively by partner holding power of attorney for the firm in which case a certified copy of the power of attorney shall accompany the application. A certified copy of the partnership deed, full names and current addresses of all the partners of the firm shall also accompany the application.
- (r) If the application is made by a limited company or a Corporation, it shall be signed by the authorized person holding power of attorney for signing application in which case a certified copy of the power of attorney shall accompany the application. Such Limited company or Corporation may be required to furnish satisfactory evidence of its existence before the pre-qualification evaluation. They should also furnish Articles of Memorandum of Association. If the application is made by group of companies, it shall be signed by the authorized person. The authority letter shall be accompanied with the application.

## 2. SECURITY DEPOSIT

As per the prevailing rules of the GSECL, successful bidder have to pay Security Deposit (S.D.) equivalent to 5 % of the contract value. The same shall be paid in DD or in the form of Bank Guarantee on any of the banks describe in Annexure-I as per the GoG notification issued from time to time will be applicable. Total S.D. equivalent 5% of contract value shall be paid to GSECL within 10 days along with acceptance of LOI.

After lapse of 10 days, if successful bidder not paying SD then, RPAD notice will be issued to the successful bidder mentioning that on failing to pay security deposit within next 07 days from the date of issue of RPAD Notice the EMD will be forfeited. However, Tender inviting authority at his discretion may decide and prolong the time period for paying of the Security Deposit as per the urgency of the work.

**In case successful bidder not at all responding within notice period or withdraws his offer then his EMD shall be forfeited and he will not be allowed to participate in the tenders invited from BLTPS office for the period of One year.**

**The security deposit amounting to 5% of the contract value shall be released after completion of maintenance period as mentioned as below clause no. 3.**

## 3. MAINTENANCE: NOT APPLICABLE

~~i) The contractor shall be responsible to make good and remedy at his own expense any defect which may develop or may be noticed before the period mentioned hereunder from the certified date of completion. The same shall be attended within 15 days of receipt of the notice. In the case of failure on the part of the contractor, the Engineer in charge may rectify or remove or re-execute the work at the risk & cost of the contractor. The Engineer in charge shall be entitled to appropriate the whole or any part of the amount of security deposit towards the expenses, if any, incurred by him in rectification, removal or re-execution. **The defects liability period shall be as under,**~~

- ~~a) For all works costing up to Rs. 50,000 (Work Order amount), the period shall be 03 months from the certified date of completion.~~
- ~~b) For all works costing more than Rs. 50,000 and up to Rs. 1 crore (Work Order amount), the period shall be 06 months from the certified date of completion OR one monsoon, whichever is later.~~
- ~~c) For major projects costing more than Rs. 01 crore (Work Order amount), the period shall be 12 months from the certified date of completion which should include one monsoon.~~

~~d) For building works (i.e. Repairing / Addition / Alteration / Maintenance) , the period specified in (a), (b) shall be same except that time period shall be 12 months instead of 06 months **OR** (c) shall be same as above except that time period shall be 03 years **OR** elapse of 3 monsoon periods from certified date of completion whichever is later.~~

~~e) For New building works the defect liability period will be 03 years **OR** elapse of 03 monsoon periods following date of possession of building taken over by user agency **OR** 04 years or elapse of 04 monsoon period following the certified date of completion whichever is later.~~

For the purpose of deciding monsoon period, the 30<sup>th</sup> September may be treated as the last date.

~~f) For painting work (irrespective of Work Order amount): 1 year.~~

~~g) For cleaning works, garden maintenance works, railway maintenance works, water supply, etc. irrespective of Work Order amount: Nil. (For such type of works, SD shall be released immediately after passing of Final Bill).~~

~~ii] a) For Water Proofing works guarantee period shall be kept as 5(five) years from actual date of completion. Besides above 5 years Performance bank Guarantee (PBG) equivalent to 10% of Work Order amount for respective item shall be submitted by the contractor prior to release of final bill payment.~~

~~✓ Subsequently, if during the year (from date of completion of the work) no leakage is observed in treated area, out of above 10% PBG, 2% amount shall be released each year to the contractor on his written request.~~

~~✓ In case of any leakages during the year is observed contractor must attend the same during dry atmosphere but not later than 6 Months from date of intimation & subsequently 2% PBG can be released.~~

~~✓ If contractor fails to attend the complaint, 2% PBG of respective year shall liable to forfeit with written intimation to the contractor.~~

~~Over and above 10% PBG as referred above, there shall be provision of 5% S.D. which shall be released on finalization of final bill **OR** after 03 (THREE) months of successful completion of the work, whichever is later as per Cl. 2 above.~~

~~b) For anti termite treatment guarantee period shall be kept as 3 years, with 5% PBG of Work Order amount for respective item and shall be released on completion of Guarantee period.~~

#### **4. TIME LIMIT FOR WORK:**

The scheduled time limit for the completion of work shall be **06 (Six) calendar Months from the date of commencement from the GSECL**. However extension in time limit will be granted by GSECL for the genuine reasons only as per terms of the contracts.

#### **5. TERMS OF PAYMENTS:**

Contractor shall be paid RA bill after observing GSECL's general procedure and submission of bill by the agency. 100% bill amount within 30 days after recording of Bill. The above payment term is applicable to all the bills of general civil works & ARC/BRC works, provided the bills are recorded regularly and submitted to Account Section within Thirty [30] days. If the contractor fails to submit the bills regularly in such a way so that the same cannot be recorded and submitted to account section within Thirty [30] days, ad-hoc payment may not be released and payment will be released as per GSECL's general procedure. The period of Thirty [30] days shall be considered from the date of receipt of last R.A. Bill by Account Section. Amount of GST and applicable cess will be kept under retention till submission of proof of payment or reflection of amount in GST return.

**6. ASSIGNMENT:**

The rights and liabilities of the contractor shall not be assigned or transferred by them without the consent in writing of the GSECL to any other person, firm or organization.

7. The successful Bidder, on receipt of letter of intent will submit within a week's time his planning / program of works, for scrutiny of the GSECL in a Bar Chart format, clearly indicating GSECL's inputs also. Contractor will plan his works such that simultaneous work should progress in such a way that entire job is completed in scheduled time limit on all the fronts released by GSECL.
8. The successful bidder will have to depute his authorized representative to attend progress review meetings to be held at GSECL, BLTPS without any extra cost.
9. The Contractor will be responsible for complying with all rules and regulations and labour laws applicable to him and the GSECL will not be responsible for any lapses committed by them. If there is any claim from any Government authority pertaining to the contract, the same amount will be deducted from the Contractor's bill.
10. The time limit for completion of work is stipulated as in the tender will be adhered to.
11. The Contractor's rates should be firm and no variation clause is to be quoted by the Contractor and GSECL will not accept the same, during contractual period including extended time limit if any.

**12. BIDDER TO STUDY, ANALYSE & CONSIDER:**

- a) The information given in this specification is in good faith and meant to serve as a guide to the Bidder. It is, therefore, imperative that Bidder shall obtain and examine for himself all the data, information and particulars required for the satisfactory execution of the work under this tender. The submission of a bid by Bidder implies that he has fully read the specifications, bid drawings, instruction to the bidder along with Contract Document and Conditions of Contract, applicable labour laws, safety norms etc., and has made himself aware of the scope and the specifications for the work to be performed and local conditions and other features which have a bearing on the cost and execution of the work. This specification is intended as a general description of quality envisaged for materials and workmanship and of the finished work. It is not intended to cover minute details. The work shall be executed in accordance with the best modern practice and to the complete satisfaction of the Purchaser. Special techniques approved by the Purchaser shall be used if and where found necessary. This specification shall have precedence if anything contrary to this is stated elsewhere in the contract documents. The Purchaser's decision shall be final and binding on the contractor on any issue arising out of such discrepancies.

**b) Inspection of site by bidder:**

Before submission of his bid, Bidder shall inspect the site, examine and obtain all information required and satisfy himself regarding matters such as:

- weather characteristics,
- Location of site and access, right of way, means of communication & mode of Transport to site,
- The type and number of equipment and facilities required.
- The quantity of various items of the work.
- The availability and rates of material.
- Labours condition.
- Local working conditions, obstructions and hindrances that may arise etc.
- Power house, which is under running conditions.



- Required GSECL's security checks.
  - All materials brought to site only after making entries in security register at Control gate
- c) These factors are likely to affect the satisfactory completion of work and or cost thereof. The submission of a bid by the Bidder will be construed as evidence that such an examination was made and any later claims/ disputes in regard to rates quoted shall not be entertained or considered by the GSECL.
  - d) The site visit shall be done by the bidder on his own responsibility and all liabilities including cash, arising out of the site visit shall be at the bidder's account.
  - e) Contractor's scope of work shall also include making all necessary arrangements for access to work sites, stores and site offices etc. from the nearest approach road to facilitate transportation of man power, machinery and equipment duly considering the existing site conditions. No extra claims / costs will be entertained by GSECL.
  - f) The bidder shall carefully study the work to be carried out & consider all the factors & shall take into account & consider all the factors such as lead, lift haulage of materials, sequence of construction, etc. & shall allow for all such information / data in the rates quoted.
  - g) The GSECL will not pay any extra charges or rate for any reason in case the contractor claims, after acceptance of contract to have misjudged the site condition. Ignorance of the intents and contents of the specification document and site conditions shall not be accepted by the Owner as basis for any claims for compensation.
  - h) BIDDER shall inspect the site, examine and obtain all information required and satisfy himself regarding matters such as sub-surface conditions, water records, access to site, communication, transport, right of way, the type and number of equipment and facilities required for the satisfactory completion of work, the quantity of various items of the work, the availability 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 ENGINEER IN CHARGE as basis for any claim for compensation.
  - i) 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 in Charge. No claim on this account shall be admitted by the GSECL.
  - j) The bidders shall submit on online in n-procure with their offer without any deviations in general terms and conditions of the contract or in technical specifications.
  - k) Tenders received after the time and date specified in the tender notice will not be accepted. Once the offer is submitted by bidder before due date of submission, the bidder shall not be allowed to submit revised/ additional/ modified offer even before due date and time of submission of tender. However, if the date of issue and/or submission of tender are extended by the Corporation due to any reason, the bidder may submit if their wishes the revised/additional/modified offer before extended due date and time of submission.
  - l) The Corporation reserves the right to accept any tender irrespective of whether it is lowest or not or to reject all the tenders without assigning any reasons thereof. Tenders deferring from the technical specifications or the method of bidding in a radical manner may also be rejected.
  - m) The bidder shall be presumed to have carefully examined the drawings, conditions & specifications of work & to have fully acquainted themselves with all details of the site conditions, locations, materials, geological & weather characteristics, labour conditions & in general all the necessary information and data etc. pertaining to and need for the work.
  - n) This specification is intended as a general description of quality envisaged for materials and workmanship and of the finished work. It is not intended to cover minute details. The work

shall be executed in accordance with the best modern practice and to the complete satisfaction of the Purchaser. Special techniques approved by the Purchaser shall be used if and where found necessary. This specification shall have precedence if anything contrary to this is stated elsewhere in the contract documents. The Purchaser's decision shall be final and binding on the contractor on any issue arising out of such discrepancies.

- o) Each bidder shall also submit a 'Declaration' to the effect that the tenderer is an engineering construction firm or an association of firm or firm which has successfully carried out large works of this nature and has adequate organization and experienced personnel to handle this type and magnitude of work. Information should also be given regarding the constitution of the firm; it's authorized, subscribed & paid up capital, the date & place of registration, the place of business, the names of the directors and other relevant information.
- p) It is the intent of the ENGINEER IN CHARGE to incorporate these specification documents in the final 'Contract'. BIDDERS are required to review these documents and clearly state in their proposals their acceptance of the same.
- q) Each page of the bid document including the bid drawings shall be signed, stamped and dated in ink by the BIDDER as a token of having examined the same. Any correction in price and the rates entered in the Schedule of Price shall also be signed and dated by the BIDDER in ink, before submitting the bid. Non-compliance with this condition will make the bid liable for rejection.
- r) All safety measures as required to be adopted as per the Statutory Regulations and the Safety Rules of the Plant shall be strictly followed by the Contractor during the execution of the Contract. The Contractor shall set up a suitable safety organization of his own in this regard.
- s) In connection with the execution of the Contract, the Contractor shall comply with all applicable statutory Rules & Regulations including employment of labours at site.
- t) The Contractor shall carry out any and all such works, as may be required, for civil work to be completed in all respect as per the Contract Specification.
- u) If the GSECL Engineer-in-Charge is not satisfied with the progress of work at site, he shall direct the Contractor to depute more numbers of supervisory personnel/workers to meet the completion schedules as per the Contract. Upon receiving such direction, Contractor shall deploy additional personnel within 7 days without any extra cost.
- v) The GSECL may during the progress of work, order the removal of part or whole of the work executed, found not in accordance with the specifications/ instructions. No extra claims shall be entertained for re-executing or altering of such work.

### **13. SAFETY MEASURES**

The contractor shall ensure the safety of workers, material and structure including existing structures during execution of the contract. Safety measures shall be followed during operations of equipments/machinery being used. No separate payment shall be made for the safety measures and the quoted rates shall include the cost for all safety measures.

### **14. COMPLETENESS:**

Any technical services as set forth here in above and which might not have been specifically mentioned in this Contract relating to the work or in the specifications and which are not expressly excluded therefore but which are necessary for the performance in accordance with the specifications as an integral part of the painting and misc. Civil works shall be rendered by the Contractor without any extra cost.

### **15. TOTAL RESPONSIBILITY**

The Contractor shall be solely responsible for the entire technical works / services irrespective of works

/ services have been made /rendered by him.

## **16. PAYMENT TO THE LABOURES**

- (a) Contractor has to contribute as per EPF & MP act the CPF as well as salary to his skilled/unskilled manpower through bank transfer, as per minimum wages & prevailing applicable rules on or before 7<sup>th</sup> day of next month.
- (b) Contractor has to produce challan of PF with list of employees.
- (c) HR compliances to be submitted by party as per GSECL rules.

## **17. CONTRACT AGGREGEMENT ON ACCEPTANCE**

- The successful contractor will have to sign an agreement as per the Gujarat State Electricity Corporation Ltd.'s rules on stamped paper and the necessary stamp duty charges shall be borne by the contractor.
- On acceptance of the tender the name (s) of the accredited representative (s) of the tenderer who would be responsible for taking instructions from the Engineers of the GSECL shall be communicated to Chief Engineer (Gen.) BLTPS, Gujarat State Electricity Corporation Limited.

## **18. UNSATISFACTORY PROGRESS OF THE WORK**

If the work is found not progressing as per the requirement or found not satisfactory then GSECL will take such action to get the work done through the other agency at agency's risk and cost with 15% supervision charges and same will be recovered from agency.

- 19.** The EMD will be returned promptly to the unsuccessful bidder except that of L1, L2 & L3 till the successful contractor pays the Security Deposit as mentioned in tender document or after the expiry of the validity of the offer, whichever is earlier.

The EMD will be returned to the successful tenderer after he furnishes the Security Deposit for the tender work. If he fails to furnish the SD, his EMD shall be forfeited and the tenderer will not be allowed to participate in the tenders invited by this office for a period of ONE Year in respective Power Station.

**THE EMD IN FORM OF BANK GUARANTEE SHALL BE VALID FOR TEN MONTHS FROM THE DATE OF SUBMISSION OF THE TENDER.**

- 20. EFFECT AND VALIDITY OF BID** The submission of bid with these documents and specification shall constitute an agreement that bidder shall have no cause of action or claim against the GSECL for rejection of his bid. The GSECL shall always be at liberty to reject or accept, split any bid or bids at its sole discretion and any action will not be called into question and the bidder shall have no claim in that regards against the GSECL.


## **21. STOP DEAL / BANNED FOR BUSINESS DEALING / BLACKLISTING :-**

- Has submitted fake, false or forged documents/certificates
- Has revised/ withdrawn price bid after opening of Techno-commercial bid, until and unless it is sought for,
- Has tempered with the stipulated tendering procedure.
- Has refused to accept Letter of Acceptance / Purchase order / Work Order after the same is issued by the company within the validity period and as per agreed terms and conditions,
- Has committed breach of contract or has failed to perform a contract or has abandoned the contract,
- Has failed to provide suitable expertise for the work as per pre-scheduled program.
- Has failed to submit all the necessary tests reports / documents within time scheduled / as per company's time limit, as mentioned in the LOA, if the Letter of Acceptance (LOA) is placed

- subject to submission of type reports / documents to the firm.
- Has indulged in construction and erection of defective works.
  - Has supplied inferior quality / defective materials and refused to replace with stipulated time frame, as specified by the company,
  - Has substituted materials in lieu of materials supplied by the company or has not returned or has short returned or has unauthorisely disposed of materials / documents / drawings / tools or plants or equipment supplied by the Company,
  - Has involved in malpractices such as bribery, corruption, fraud, canvassing and pilferage,
  - Has unauthorisely obtained official company information or copies of documents, in relation to the Tender / Contract.
  - Has failed to follow the stipulated mode of communication, if specified by the tendering authority / Purchaser.
  - Has parted with, leaked or provided confidential / proprietary information of the company given to the firm only for its use (in discharge of its obligations against an order) to any third party without prior consent of the Company,
  - Any other ground for which in the opinion of the Company makes it undesirable to deal with the Firm
  - In case the state Government directs the Company to place a firm in stop dealing / banned for business dealing / blacklisting.
  - As If in any company, the interest of any employee of the Gujarat State Electricity Corporation Ltd. or his relative as defined in Section-6 of the Company's Act. 1956, is 10% or more, GSECL will not deal with such company at all. Tenderer therefore, must specifically disclose this fact in his technical Bid. Nondisclosure of such facts would disqualify the Tenderer for further dealing with Gujarat State Electricity Corporation Ltd."

**SIGNATURE OF CONTRACTOR**  
**ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD**  
**BLTPS, Padv.**

	<p><b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b></p> <p><b>Bhavnagar Lignite Thermal Power Station</b>  <b>At &amp; PO: Padva, Ta: Ghogha, Dist: Bhavnagar – 364050.</b>  e-mail: <a href="mailto:cebltps.gsecl@gebmail.com">cebltps.gsecl@gebmail.com</a>, Website: <a href="http://www.gsecl.in">www.gsecl.in</a>,  CIN: U40100GJ1993SGC019988</p>	
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## SECTION-C

### ❖ GENERAL CONDITIONS OF CONTRACT

## GENERAL CONDITIONS OF CONTRACT

### 1. DEFINITIONS :

- (a) The Contract means the documents forming the tender and acceptance thereof, together with the documents referred to therein or individual work order in the case of term contract, including these conditions, schedules and/or additional conditions attached to the form of tender or individual works, order, rate schedule, the specifications and the drawings and all these documents, as applicable, taken together shall be deemed to form the contract.
- (b) The “Tender Document” means the form of tender, the applicable schedules and/or additional conditions and the specifications and/or drawing as issued to the contractors for the purpose of preparing tender.
- (c) The expression “Works” or “Work” when used in the condition of contract shall, unless there be something in the subject or context repugnant to such construction means, the works or the work contracted to be executed under or in virtue of the contract whether original or altered.
- (d) The “Contractor” means the individual or firm or Corporation, whether incorporated or not, undertaking the works and shall include his or its legal personal representatives, successors and permitted assignees.
- (e) “Corporation” means The Gujarat State Electricity Corporation Ltd. and the “Accepting Officer” means the Officer who is authorized to sign and signs the contract on behalf of the “Corporation”.
- (f) The letter “EE” means Executive Engineer who in the case of measurement and lump sum contract, direct the contract and the letters “SE” means Superintending Engineer and “GM” means General Manager who administers and in the case of the term contracts, directs the contract.
- (g) The “Engineer-in-charge” means all officers of the Corporation appointed by the General Manager to supervise the works or part of the works.
- (h) “Approved” and “Directed” means the approval or direction of the Chief Engineer (Gen), BLTPS to Superintending Engineer or the person deputed by him for the particular purpose.
- (i) “BS.” means “British Standards” as issued by the British Standards Institution. “A.S.” means the “American Standards” as issued by the American Standards Institution, and “I.S.” means the “Indian Standards” as issued by the Indian Standards Institution. Wherever the above-mentioned abbreviations are referred to, in the specifications and/or work orders, they mean the addition with all amendments current at the date of issue of tender document of work orders.
- (j) In the case of measurement and terms of contract “Specifications” mean those contained in Gujarat State Electricity Corporation Ltd. scheduled together with any amendments etc. embodied in the tender documents. “Drawing” refers to those incorporating the tender documents and/or any work orders referred therein.
- (k) The “Contract Sum” means the sum accepted or the sum calculated in accordance with the prices accepted in the tender and/or the contract rate as payable to the contractor for the full and entire executing and completion of works.

- (l) “The date for completion” is the date or dates of completion of the work or any part of the works set out or ascertained in accordance with the individual work orders and the tender documents or any subsequent agreed amendments thereto.

**2. CONTRACTOR TO INFORM HIMSELF FULLY:**

- (a) Notwithstanding anything contained to the contrary in the specifications or tenders in subsequent exchange of correspondence, the conditions of contract shall be binding on the Contractor and any change or variation expressed or implied, however made in the said conditions, shall not be valid or operative unless expressly sanctioned by the Corporation. The Contractor shall be deemed to have fully informed himself and to have special knowledge of the provisions of the conditions of the Contract herein contained.
- (b) The contractor shall be deemed to have carefully examined the work and site conditions, the general conditions, the special conditions, specifications, schedules and drawing and shall be deemed to have visited the site of the works and to have fully informed himself regarding the local conditions.
- (c) If there shall have any doubt as to the meaning of any portion of these general conditions or special conditions of the scope of work of the specifications or any other matter concerning the contract, he shall in good time before submitting his tender, send for the particulars thereof and submit them to the Engineer-in-charge in writing in order that such doubt may be removed.

**3. CONTRACT DRAWING AND SPECIFICATIONS:**

- (a) The contractor will be entitled to receive one set of agreement along with one certified copy of accepted tender.
- (b) The drawings which form part of these specifications show the work to be done in as much detail as is possible at the present stage. They will be supplemented by such additional detailed drawings as may be necessary as the work progresses. The contractor shall perform the work on these features and in accordance with these additional or revised drawings as the case may be and at the applicable rates as per the contract.
- (c) The contractor shall check all drawings carefully and shall bring to the notice to the Engineer-in-charge immediately of any errors or omissions discovered. The contractor shall not take advantages of errors or omissions of any kind in the drawings supplied.

**4. INPUTS BY GSECL:**

- (a) The electric power supply connection and power supply for construction / maintenance work purpose only shall be given at one mutually agreed point at work site free of cost by the GSECL after the written application on firms letter head. Further extension for construction/maintenance site as well as bore well site for using water will have to be carried out by the contractor as per requirement at their cost.
- (b) If there are any surplus **guest house room** available after meeting the requirement of GSECL's staff, then GSECL will consider allotment of **guest house room** on rent as per GSECL's rule.
- (c) The contractor will have to make their own arrangement of water for construction work as well as for their labourers at his own cost. If possible, water for construction purpose only at one point may be given as decided by EIC and recovery for water charges shall be affected at the rate of 2 % of the item in which water is used or quantity of water measured by meter system installed by contractor, rate of water supply will be charged at prevailing purchase rates of GSECL, for water supplied by GSECL is used as certified by EIC. In case of agency is installing bore well and pumps at his cost, after completion of work agency will hand over the bore well in good condition with pumps to the GSECL.

**5. DATA TO BE FURNISHED BY CONTRACTOR:**



- (a) The contractor shall submit to the Executive Engineer for approval within one week of the date of contract, a layout plan of construction plant and equipment for the execution of work which the contractor proposes to adopt at site.
- (b) Prior to commencement of work, the contractor shall submit to the Executive Engineer for approval, plans in triplicate showing the location of Major plant shop and storage buildings, storage yards, offices, contractor's power house including its services and housing facilities which he proposes to put up at site and also indicate the programme of the work.
- (c) The successful bidder on receipt of letter of intent will submit within a week's time his planning/programme of works for scrutiny of GSECL in a PERT/Bar chart format, clearly indicating GSECL inputs also.
- (d) Contractor will plan his works such that on all the fronts released by GSECL, simultaneous work should progress in such a way that entire job is completed in scheduled time limit.
- (e) No change in the approved layout shall be carried out without specific written approval of the Executive Engineer.

## **6. ERRORS, OMISSIONS AND DISCREPANCIES:**

In all cases of errors, omissions, doubts or discrepancies in the dimensions, or discrepancies in the drawings and items of work in specification, reference shall be made to the Executive Engineer whose elucidation and elaboration shall be considered as authoritative. The contractor shall be held responsible for any error that may occur in the work thorough lack of such reference and precautions.

## **7. SECURITY DEPOSIT:**

The contractor shall, within 10 days of the issue of letter of intent, pay 5% of the contract value in the form of the unconditional bank guarantee from schedule bank in lieu of cash or Government securities towards Security Deposit which will be accepted provided amount of security deposit payable exceeds Rs. 10,000/-. Security Deposit can also be paid as fixed deposit receipt as prescribed in Section "F".

After lapse of 10 days, if successful bidder not paying SD then, RPAD notice will be issued to the successful bidder mentioning that on failing to pay security deposit within next 07 days from the date of issue of RPAD Notice the EMD will be forfeited. However, Tender inviting authority at his discretion may decide and prolong the time period for paying of the Security Deposit as per the urgency of the work.

**In case successful bidder not at all responding within notice period or withdraws his offer then his EMD shall be forfeited and he will not be allowed to participate in the tenders invited from BLTPS office for the period of One year.**

**The security deposit amounting to 5% of the contract value shall be released after completion of maintenance period as mentioned above clause no. 3 of General Instruction to the bidder.**

All damages, costs, charges, expenses and other sums which may be or may become due or payable by the contractor to the Corporation under the terms of the contract, may be deducted from the cash in the proceeds of sale of the securities/bank guarantee so deposited (which the officer or person to whom the same may be endorsed as aforesaid is hereby authorized to sell/to encash for that purpose) or from the interest of any such securities or from any sums due or which may become due to the contractor by the Corporation or from the whole or the balance unpaid as aforesaid of the encashed securities so deposited being repaid or transferred and returned as the case may be, to the contractor on finalization of final bill.

Entire Security Deposit paid in approved form of Bank Guarantee should remain valid during the contractual period and such bank Guarantee should not be reduced on the basis of the work actually done.

## **8. USE OF LAND:**

The land required for office, godowns and for labour camp if not available with GSECL, then the contractor has to arrange the same at his cost. GSECL will give the land only if the spare land is available with the following conditions.

The contractor shall be permitted to use for the bonafide purpose of execution of this contract free of cost. The contractor shall be permitted to use for the bonafide purpose of execution of this contract free of cost.

- (a) Site required for the construction of the work.
  - (b) Required approach road. The contractor shall make their own arrangements for the necessary approach, road, for transport of their materials and be responsible for the compensation on account of damage to crop etc. and shall till completion of work.
  - (c) He will be charged the rent at the annual rate of rupees one hundred per every acre or part thereof, for the construction of temporary hutments and his store yard. However area required for such purpose may be clearly indicated in this offer.
- All areas of operation, including those for his staff and labour colonies handed over to the contractor shall be cleared and handed over back in good condition to the Engineer except areas under works as per this contract or those for which specific approval has been obtained from the Engineer. The contractor shall make good to the satisfaction of the Engineer any damage or alternation made to areas which he has to hand over back or to other property land handed over to him for purpose of this work.
  - Temporary structures may be erected by the contractor for storage sheds, offices, residence etc. for noncommercial use on the land, handed over to him at his own expense and with the permission of the Engineer in Charge. These structures shall comply with the regulation that may be in force and/or specified by the Engineer with regard, thereto. In any circumstances for constructing temporary structures for contractor's use, GSECL's free supply materials shall not be used. If it is found that GSECL's free supply materials are used for other than approved project drawings work, same will be recovered at penalized rate.
  - The contractor shall preserve all existing vegetation such as trees on or adjacent to the sites which do not interfere with the construction as determined by the Engineer.
  - The contractors shall take all possible precautions in felling trees authorized for removal to avoid any unnecessary damage to vegetation and trees not to be felled and to structures under construction, or to workmen, and shall be responsible for any damage if it occurs in such operations
  - All produce from cutting of trees; grass etc. shall be the property of GSECL and shall be stocked at the place specified by the Engineer. No claim shall be made for such cutting and stacking of trees or grass etc. by the contractor
  - The contractors shall not unnecessarily or for use as fuel, cut any trees brush wood, grass or other vegetation nor shall set fire there to without the written permission of the Engineer. When such permission is given, the contractor shall take necessary measures to prevent damage or to prevent fire spreading to surrounding property, and shall be responsible for any such damage, if cause.
  - The land shall as herein before mentioned be handed back to Engineer in Charge immediately after the completion of the work under this contract. Also no land shall be held by the contractor longer than the Engineer shall deem necessary and the contractor shall, on due notice by the Engineer, vacate and return the land which the Engineer may certify as no longer required by the contractor for purpose of the work.

## **9. START OF WORK:**

The contractor shall not enter upon or commence any portion of work except with the written authority or instructions of the Executive Engineer in charge of the work, failing such the contractor shall have no claim to ask for measurement or payment for work and shall be responsible for any claims or damages that may arise due to such unauthorized commencement or entry.

## **10. COMPENSATION FOR THE DELAY:**

The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall be reckoned from the date on which the order to commence work is given to the contractor. The work shall throughout the stipulated period of contract be proceeded with all due diligence (time being deemed to be the essence of contract) and for delay, the contractor shall pay compensation, an amount equal to ½ (half) percent per one week for the contract amount or part thereof, including taxes & duties (i.e. End cost of contract amount including taxes & duties) and maximum up to 10 % of the order value, including taxes & duties ( i.e. End cost of contract amount including taxes & duties) or such smaller amount as per the decision of the Competent Authority of the GSECL The penalty will be invariably deducted from the bills of the contractor and no refund will be given unless the competent authority approves the reduction. The reasons for delay, attributable to GSECL as well as to party will be brought out clearly while putting the proposal for waiver/reduction in penalty. **Applicable taxes (if any) will be charged on penalty amount.**

## **11. ACTION WHEN WHOLE OF SECURITY DEPOSIT IS FORFEITED:**

In any case in which under any clause or clauses of this contract the contractor shall have tendered himself to pay compensation amounting to the whole of his security deposit (whether paid one sum) or in the case of abandonment for the work owing to serious illness or death of the contractor or any other cause, the Executive Engineer on behalf of the Corporation, shall have powers to adopt (a) below and any of the following courses under (b) and (c) as he may deem best suited to the interest of the Corporation.

- (a) To rescind the contract (for which rescission notice of 10 days) in writing to the contractor under the hand of the Executive Engineer shall be conclusive evidence and in that case the security deposit of the contractor shall stand forfeited and absolutely at the disposal of the Corporation. To employ labour paid by the Corporation, to supply materials, to carry out the works or any part of the work debiting the contractor with the cost of the labour and the price of the materials (as to the correctness of which cost and price, the certificate of the Executive Engineer shall be final and conclusive against the contractor) and crediting him with value of the work done in all respects in the same manner and at the same rates as if it had been carried out by the Contractor under the terms of this contract and in that case the certificate of the Executive Engineer as to the value of the work shall be final and conclusive against the contractor.
- (b) To order that the work of the contractor be measured up and to take such part thereof, as shall be unexecuted, out of his hands and to give it to another contractor to complete, in which case, any expenses, which may be incurred in excess of the sum, which would have been paid to the original contractor, if the whole work would have been executed by him (as to the amount of which excess expenses, the certificate in writing of the Engineer-in-charge shall be final, conclusive and shall be borne and shall be paid by the original contractors and shall be deducted from any money due to him by the Corporation under the contract or otherwise from his security deposit of his proceeds sale thereof or a sufficient part thereof.
- (c) In the event of the above courses being adopted by the Executive Engineer, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account of or with a view to the execution of the work or the performance of the contract. And in case the contract shall be rescinded under the provision aforesaid, the contractor shall not be entitled to recovery or be paid any sum for any works thereof actually performed by him under this

contract unless and until the Executive Engineer shall have certified in writing the performance of such work and the amount payable to him in respect thereof and he only be entitled to be paid the amount so certified.

**12. NOTICE UNDER UNSATISFACTORY PROGRESS:**

If the progress of a particular portion of the work is unsatisfactory, and also if as per the opinion/observation of the Executive Engineer (whose decision shall be final) in charge that the general progress of work is not satisfactory, then Executive Engineer in charge shall be entitled to take action under clause 11 (c) after giving the contractor ten days' notice in writing and the contractor will have no claim for compensation for any loss sustained by him owing to such action.

**13. ACTION IN THE CASE OF DEFAULT BY THE CONTRACTOR :**

In any case in which any of the powers conferred upon the Executive Engineer by Clauses 11 and 12 hereof shall have exercisable and the same shall not have been exercised, the non-exercised thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in any further case of default by the contractor of which, by any clauses hereof, he is declared liable to pay compensation amounting to the whole of his security deposit and liability of the contractor for past and future compensation shall remain unaffected in the event of the Executive Engineer taking action under sub-clause (a) or (c) of Clause 11, he may if he so desires, take possession of all or any tools, plants, materials, and stores in so upon the work or the site thereof belonging to the contractor, or procured by him and intended to be used for the execution of the work of any part thereof paying for allowing for the same in account at the contract rates, or in the case of a contract rates not being applicable of current market rates to be certified by the Executive Engineer whose certificate thereof shall be final. In the alternative, the Executive Engineer may by notice in writing to contractor or his clerk of works, foreman or other authorized agent, require him to remove such tools, plant, materials or stores from the premises within a time to be specified in such requisition, the decision to the contractor failing to comply with any such requisition, the decision of the Executive Engineer as to the expense of any such removal and the amount of the proceed and expense of any such sale, be final and conclusive against the contractor.

**14. EXTENSION OF TIME LIMIT**

If the contractor shall desire an extension of the time limit for completion of the work on the ground of his having been unavoidably hindered in its execution or on any other ground, he shall apply in writing to the Executive Engineer and the Executive Engineer may, if in his opinion there are reasonable grounds for granting extension, recommend such extension as he may think necessary or proper. The decision of the competent authority in this regard shall be final, and binding to the contractor. Any delay attributed to Corporation, shall be thus compensated only by way of extending the limit.

**15. COMPLETION CERTIFICATE**

On completion of the work, the Contractor shall be furnished with Completion Certificate by the GSECL. No such certificate shall be given nor shall be the work considered to be completed until works are taken over and/or duly tested and put to operation as the case may be, nor until the work shall have been measured by the Engineer-in-Charge or where the measurement have been taken by his subordinates until they have received the approval of the Executive Engineer the said measurement being binding and conclusive against the contractor.

**16. EFFECT OF THE CERTIFICATE**

No payment shall be made for any work estimated to cost less than Rs.1,000 till after the whole of said work shall have been completed and a certificate of completion given. But in the case of works estimated to cost more than Rs.1,000, contractor shall on submitting a monthly bill thereof, be entitled to receive payments. Proportionate to the part of the work then approved and passed by the Engineer-in-Charge, whose certificate of such approval and a passing of the sum so payable shall be final and conclusive against the contract. All such intermediate payment shall be regarded as payment by way of advance against the final payment only and not as payments for work actually done or completed

and shall not preclude the Engineer-in-charge from requiring bad, unsound, imperfect or unskillful work to be removed and taken away and reconstructed or re-erected nor shall any such payment be considered as admission of the due performance of the contract or any part thereof in any respect of the occurring of the claim nor shall conclude, determine or effect in any way the powers of the Engineer-in-Charge as to the final settlement and adjustment of the accounts otherwise or in any other way, vary or affect the contract. The final bill shall be submitted by the contractor within one month of the date fixed for completion of work; otherwise the certificate of the Engineer-in-charge of the measurement and of total amount payable for the work shall be final and binding on all parties.

## **17. PAYMENT TO CONTRACTORS**

The rates for several items of works estimated to cost more than Rs.1, 000 agreed to within shall be valid only when the item concerned is accepted, having been completed full, in accordance with the sanctioned specification. In case, where the items of the work, are not accepted, as so completed, the Engineer-in-charge, may make payment on account of such items at such reduced rates, as he may consider reasonable in the preparation of final or running accounts bills and it will be binding to the contractor.

## **18. BILLS**

The Bill Shall be submitted by the contractor each month on or before the date fixed by the Engineer-in-charge, for all works, executed in the previous month and the Engineer-in-charge shall take or cause to be taken the requisite measurement for the purpose or having the same verified and the claim so far as it is admissible, shall be adjusted, if possible, within Fifteen days from the presentation of the bills. If the contractor does not submit the bill, within the time fixed, as aforesaid, the Engineer-in-charge may depute a subordinate to measure up the said work in the presence of the contractor or his duly authorized agent, whose counter signature in the measurement shall be sufficient warrant and the Engineer-in-charge may prepare a bill from such list which shall be binding on the contractor in all respects. In case if contractor/ representative does not remain present on specified date for taking measurement than EIC may take the measurement one sided and the same shall be binding to the contractor irrespective whether he has signed or not.

## **19. SUPPLY OF MATERIALS TO CONTRACTOR [APPLICABLE ONLY WHERE MATERIAL IS TO BE SUPPLIED BY CORPORATION AS MENTIONED IN SCHEDULE A ]**

If the specification of the estimated work provides for use of any special description of material to be supplied from the Corporation's stores or if it is required that the contractor shall use certain stores to be provided by the Engineer-in-charge, (such material and stores and the prices to be charged thereof as hereinafter mentioned being so far as practicable for the convenience of contractor but not so as in any way to control, the meaning or effect of this contract specified in the schedule or memorandum hereto annexed). The contractors shall be supplied with such materials and stores as may be required from time to time be used by him for the purpose of the contract only and the value of the full quantity of materials and stores so supplied shall be set off or deducted from any sum due or thereafter to become due to the contractor, under the contract or otherwise or from the security deposit or the proceeds of sale thereof if the deposit is held in government securities the same or a sufficient portion thereof, shall be sold for the purpose. All materials supplied to the contractor shall remain the absolute property of the Corporation and shall on account be removed from the site of work and shall at all times be open to inspection by the Engineer-in-charge. Any such materials unused and in perfectly good condition at time of completion or determination of the contract shall be returned to the Corporation's store if the Engineer-in-charge so requires by notice in writing given under his hand but the contractor shall not be entitled to return any such materials except with such consent and he shall have no claim for compensation on account of any such materials supplied to him as aforesaid but remaining unused by him or for any wastage in or damaged thereto. The contractor shall be responsible for the loss, destruction or deterioration of the materials, stores or articles supplied to him by the Corporation even if such loss, destruction or deterioration has occurred under any circumstances whatsoever beyond his control as if the materials, stores or articles so supplied were his property.

## **20. WORKS TO BE EXECUTED IN ACCORDANCE WITH SPECIFICATIONS, DRAWING, ORDERS ETC.**

The contractor shall execute the whole and every part of work in the most substantial and workman like manner and both as regarding materials and in every other respect in strict accordance with the specification. The contractor shall also confirm exactly, fully and faithfully to the designs, drawings and instructions in writing relating to the work signed by the Engineer-in-charge and lodged in his office and to which the contractor shall be entitled to have access for the purpose of inspection at such office, or on the site of the work during office hours and the contractor shall, if he so requires, be entitled at his own expense to make or cause to be made copies of the specification and of all such designs, drawings and instructions as aforesaid.

**21. ALTERATIONS IN SPECIFICATIONS AND DESIGNS NOT TO INVALIDATE CONTRACTS**

The Executive Engineer shall have powers to make any alterations, or additions to the original specification, designs and instructions that may appear to him to be necessary or advisable during the progress of the work and the contractor shall be bound to carry out the work in accordance with any instruction in this connection which may be given to him in writing, signed by the Engineer-in-charge and such alterations shall not invalidate the contract. Any additional work which the contractor may be directed to do in the manner above specified as part of the work shall be carried out by the contractor on same conditions in all respect on which he agreed to do the main works and at the same rates as are specified in the tender for the main work.

Where, however, the work is to be executed according to the designs, drawings and the specifications recommended by the contractor and accepted by the competent authority, the alteration above referred to shall be within the scope of such designs, drawings and specifications appended to the tender.

**22. RATES FOR WORKS NOT ENTERED IN ESTIMATE OR SCHEDULE OF RATE OF THE CORPORATION**

If the additional and altered work includes any class of work for which no rate is specified in this contract, then such class of work shall be carried out at the rates entered in the Schedule of Rates of the Corporation or at the rate mutually agreed upon between the Executive Engineer and the Contractor, whichever are lower. If the additional or altered work for which no rate is entered in the Schedule of Rates of the Division is ordered to be carried out before the rates agreed upon then the contractor within seven days of date of receipt by him of the order to carry out the work should inform the Executive Engineer for the rate which it is his intention to charge for such class of work and if the Executive Engineer does not agree to this rate, he shall be noticed in writing, be at liberty to cancel his order to carry out such class of work and arrange to carry it out in such manner as he may consider advisable provided always that if the rates shall have been determined as lastly herein before mentioned then in such case he shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of the determination of the rate as aforesaid according to such rate or rates as shall be fixed by the Executive Engineer in the event of disputes, the decision of the General Manager of the Corporation will be final.

**23. EXTENSION OF TIME LIMIT IN CONSEQUENCE OF ADDITION OR ALTERATION**

The time limit for the work shall be extended in the proportion that the increase in its cost occasioned by alterations or additions bears to the cost of the original contract work and the certificate of the Engineer-in-charge as to such proportions shall be conclusive.

**24. NO COMPENSATION FOR ALTERATION IN OR RESTRICTION OF WORK TO BE CARRIED OUT**

If at any time, after the execution of the contract documents, the Engineer-in-charge shall, for any reason whatsoever, requires the whole or any part of the work, as specified in the tender, to be stopped for any period or shall not require the whole or part of the work to be carried out at all or to be carried out by the contractor, he shall give notice in writing of the fact to the contractor who shall thereupon suspend or stop the work totally or partially as the case may be in any such case, except as provided here under. The contractor shall have no claim to any payment or compensation whatsoever on account of any loss in profit or advantage which he might have derived from the execution, of the work in full but which he did not so derive in consequence of the full amount of work not having been carried out

or on account of any loss that he may be put to on account of materials purchased or agree to be purchased or for unemployment of labour recruited by him. He shall not also have any claim for compensation by reason of any alterations having been made in the original specification, drawings, designs and instructions which may involve any curtailment of the work as originally contemplated. Where, however, materials have already been purchased or agreed to be purchased by the contractor before receipt by him of said notice, the Executive Engineer provided they are not in excess or requirement and are of approved quality and/or shall be compensated for the loss, if any, that he may put to in respect of materials agreed to be purchased by him. The amount of such compensation to be determined by the Executive Engineer, whose decision shall be final. If the contractor suffers any loss on account of his having to pay, his labour charges during the period, during which the stoppage of work has been ordered under this clause the contractor shall on application be entitled to such compensation on account of labour charges as the Executive Engineer whose decision shall be final, may consider reasonable provided that the contractor shall not be entitled to any compensation on account of labour charges if, in the opinion of the Executive Engineer, the labour could have been employed by the contractor elsewhere for the whole or part of the period during which the stoppage of the work has been ordered as aforesaid.

## **25. NO CLAIM FOR COMPENSATION ON ACCOUNT OF LOSS DUE TO DELAY IN SUPPLY OF MATERIALS BY CORPORATION**

The contractor shall not be entitled to claim any compensation from Corporation for the loss suffered by him on account of delay by Corporation in the supply of materials entered in Schedule A where such delay is caused by:

- **Difficulties relating to supply of railway wagons.**
- **Force Majeure**
- **Act of God**

Any other reasonable cause beyond the control of Corporation, including shortage of materials to be supplied by the Corporation and difficulties in time by reaching at the site of any materials equipment.

In the case of such delay in the supply of materials, Corporation shall grant such extension of time for the completion of the works as shall appear to the Executive Engineer to be reasonable in accordance with the circumstances of the case. The decision of the Executive Engineer as to the extension of time shall be accepted as final by the contractor.

## **26. TIME LIMIT FOR COMPENSATION CLAIMS**

Under no circumstances, whatsoever, shall the contractor be entitled to any compensation from Corporation on any account unless the contractor has claimed in writing to the Executive Engineer within one month of the cause thereof.

## **27. ACTION AND COMPENSATION PAYABLE IN CASE OF BAD WORK**

If at any time, before the security deposit is refunded to the contractor, it shall appear to the Executive Engineer or his subordinate in charge of the work that any work has been executed with unsound, imperfect or unskillful workmanship or with materials of inferior quality or that any materials or articles provided by him for the execution of the work are unsound or of inferior quality to that contract for or are otherwise not in accordance with the contract, it shall be lawful for Engineer-in-charge to intimate this fact in writing to the contractor and then notwithstanding the fact that the work, materials, or articles complained of, may have been inadvertently passed, certified and paid for, the contractor shall be bound forthwith to rectify or remove and reconstruct the work so specified in whole or any part, as the case may require or if so required shall remove the materials or articles so specified and provided other suitable materials or articles at his own charge and cost, and in the event of his failing to do so within a period to be specified by the Engineer-in-charge in the written intimation aforesaid the contractor shall be liable to pay compensation at the rate of one percent on the amount of the estimate for every day not exceeding ten days during which the failure so continues and in the event of any such failure as aforesaid, the Engineer-in-charge may rectify or remove or re-execute the work



or remove and replace the materials or articles complained of, as the case may be, at the risk and expense in all respects of contractor should the Engineer-in-charge consider that any such inferior work or materials as described above may be accepted, or made use of, it shall be within his discretion to accept the same as such reduced rates as he may fix thereof.

Provided that in the case of any work of which visible check is not possible if the Engineer-in-charge or his subordinate in charge of the work feels that such work has been executed with unsound, imperfect or unskillful workmanship or with materials of inferior quality, he shall take sample tests at random, cost of which shall have to be borne by the contractor and if after taking such test part of such work is found to be defective in any respect or to have been executed with materials of inferior quality then the contractor shall pay for the whole work such amount as may be fixed by the office of the Engineer-in-charge on the basis of the lowest quality of work found by him in such sample tests.

**28. WORK TO BE OPENED TO INSPECTION, CONTRACTOR OR RESPONSIBLE AGENT TO BE PRESENT**

All works under execution or in pursuance of the contract shall at all times be open to the inspection and supervision of the Executive Engineer and his subordinate and contractor shall at all times, during the usual working hours and at all other times at which reasonable notice of the intention of the Executive Engineer or his subordinate to visit the works shall have been given to the contractor, during which period either he should be present to receive order and instruction, or have a responsible agent duly authorized agent shall be considered to have the same force and effect as if they had been given to the contractor himself.

**29. NOTICE TO BE GIVEN BEFORE WORK IS COVERED UP**

The contractor shall give not less than five days' notice in writing to the Executive Engineer or his subordinate in charge of the work, before covering up or otherwise placing beyond the reach of measurement of any work, in order that the same may be measured and correct dimensions thereof, taken before the same is so covered up or placed beyond the reach of measurement and shall not be covered up or placed beyond the reach of measurement and work without the consent in writing of Executive Engineer or his Subordinate in charge of work. If any work shall be covered up or placed beyond the reach without such notice having been given or consent obtained, the same shall be uncovered at the contractor's expense and in default thereof no payment or allowance shall be made for such work or for the materials with which the same was executed.

**30. CONTRACTOR'S LIABILITIES**

The contractor shall supply, at his own cost, all materials (except such special materials, if any as may be supplied from the Corporation stored in accordance with the contract). Plant, tools, appliances, implements, ladders, cordage, tackle, scaffolding and any temporary works which may be required for the proper execution of the work, in the original, altered or substituted form and whether included in the specification and other document forming part of the contract or referred to in these conditions or not and which may be necessary for the purpose of satisfying and complying with the requirements of the Engineer-in-charge as to any matter on which under these conditions, he is entitled to be satisfied or which he is entitled to require together with carriage thereof to and from the work. The contractor shall also supply without any charge the requisite number of persons of setting out works and counting, weighting and assisting in the measurement of examination at the time and from time to time of the work or materials, failing this the same may be provided by the Engineer-in-charge at the expenses of the contractor and the expenses may be deducted from any money due to the contractor under the contract or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof, the contractor shall provide all necessary fencing and light required to protect the public from accident and shall also be bound to bear expenses of defense of every suit, action or other legal proceedings of law that may be brought by any person for injury sustained. Owing to neglecting of the above precautions and to pay any damage and cost which may be awarded in such suit, action or proceedings to any such person or which may with the consent of the contractor be paid in comprising any claim by any such person.

**31. CONTRACTOR LIABLE FOR ALL DAMAGE**

Compensation for all damage done intentionally or unintentionally by contractor's laborer, whether in or beyond the limit of Corporation's property, shall be estimated by the Executive Engineer or such other office as he may appoint and the estimates of the Executive Engineer, subject to the decision of the Superintending Engineer, on appeal, shall be final and the contractor shall be bound to pay the amount of the assessed compensation demand, failing which, the same will be recovered from the contractor as damages or deducted by the Engineer-in-charge from any sums that may be due to or become due from Corporation to the contractor under this contract or otherwise.

The contractor shall bear the expenses of defending any action or other legal proceeding that may be brought by any person for injury sustained by him owing to negligence of precautions for prevent the spread of fire and he shall also pay any damage and cost that may be awarded by the court, if in consequence.

### **32. RESCISSION OF CONTRACT AND FORFEITURE OF DEPOSIT**

The contractor shall not assign or sublet, without the written approval of the Engineer-in-charge and if the contractor assign, or sublet his contract, or attempt to do so or become insolvent or commence any proceedings to be adjudicated as insolvent or make any composition with creditors, attempt to do so, the Engineer-in-charge may, by notice in writing rescind the contract. Also, if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise shall either directly or indirectly be given, promised or offered by the contractor or any of his servants, or agents, or any person to the employee of the Corporation in any way relating to his office or indirectly interested in the contract, the Executive Engineer may, by ten days' notice in writing, rescind the contract. In the event of a contract being rescinded the security deposit of the contractor shall there upon stand forfeited and be absolutely at the disposal of the Corporation and the same consequences shall ensure as if the contract has been rescinded under Clause 11 thereof and in addition the contractor shall not be entitled to recover or be paid for any work thereof actually performed under the contract.

### **33. COMPENSATION**

All sums payable by a contractor by way of compensation under any of these conditions shall be considered as a reasonable compensation to be applied to the use of Corporation without reference to the actual loss or damage sustained and whether any damage has not been sustained.

### **34. CHANGE IN THE CONSTITUTION OF FIRM TO BE NOTIFIED**

In case of tender by partners of a Firm, any change in constitution of firm shall be forthwith notified by the contractor to the Executive Engineer for his information.

### **35. WORKS UNDER DIRECTION OF SUPERINTENDING ENGINEER**

All works to be executed under the contract shall be executed under the direction and subject to the approval of Superintending Engineer /Engineer-in-charge for the time being who shall be entitled to direct at what point or points and in what manner they are to be commenced and from time to time to be carried on.

### **36. DECISION OF SUPERINTENDING ENGINEER TO BE FINAL**

Except where otherwise specified in contract and subject to the power delegated to him by Corporation under the Corporation's rules, then in force, the decision of the Superintending Engineer/EIC for the time being shall be final, conclusive and binding on all the specifications, designs, drawings and instructions herein before mentioned and as to the quality of workmanship or material used on or as to any other question, claim, right matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning, the works or the execution or failure to execute the same, whether arising during the progress of the work or after the completion or abandonment thereof.

### **37. ARBITRATION**

“ALL QUESTIONS, DISPUTES OR DIFFERENCES, WHATSOEVER WHICH MAY AT ANY TIME ARISE BETWEEN THE PARTIES TO THIS CONTRACT IN CONNECTION WITH THE

CONTRACT OR ANY MATTER ARISING OUT OF OR IN RELATION THERETO, SHALL BE REFERRED TO THE – “GUJARAT PUBLIC WORKS CONTRACT DISPUTES ARBITRATION TRIBUNAL” AS PER THE PROVISIONS OF THE GUJARAT PUBLIC WORKS CONTRACT DISPUTES ARBITRATION TRIBUNAL ACT 1992.”

The reference to Arbitration proceedings under this Clause shall not:

- a. Affect the right of the Engineer-in-charge to take possession of all or any tools, plants, materials and stores, in or upon the work or site thereof or belonging to the Contractor or procured by him and intended to be used for the execution of the work or any part thereof.
- b. Preclude the Engineer-in-charge from utilizing the materials purchased by contractor in any work or from removing such materials to other place, during the period the work is stopped or suspended in pursuance of Notice given to the contractor under General Conditions.
- c. Entitle the contractor to stop the progress of the work or carrying out the additional or altered work in accordance with the provision of General Conditions for the work where there is no specification.
- d. Preclude the Corporation from getting work done by other agency.

Neither party is entitled to bring a claim to Arbitration latest by thirty days after the expiration of the defects liability period.

The provisions of the Arbitration and conciliation Act – 1996, Gujarat Public Works Contract Disputes Arbitration Tribunal Act, 1992, and Rules made there under shall apply to the Arbitration Proceedings under this Clause.

**38. STORES TO BE OBTAINED FROM CORPORATION [APPLICABLE ONLY WHERE MATERIAL IS TO BE SUPPLIED BY CORPORATION AS MENTIONED IN SCHEDULE A]**

The contractor shall obtain from the Corporation stores, such articles as are mentioned in schedule “A” which may be required for the work or any part of the work or in making up any articles required therefore or in connection therewith, unless he has obtained permission in writing from the Executive Engineer or obtained such stores and articles from elsewhere. The value of such stores and articles as may be supplied to the contractor by the Engineer-in-charge will be debited to the contractor in his account at the rate shown in the schedule “A” attached to the contract and if they are not entered in said Schedule, they shall be debited to him at cost price which for the purpose of this contract shall include cost of carriage and all other expenses whatsoever which may have to be incurred in obtaining delivery of the same at the stores aforesaid and further overhead charges 15%.

The Contractor shall be responsible for the loss, destruction or deterioration of the materials, stores or articles supplied to him by the Corporation, even if such loss, destruction or deterioration has occurred under any circumstances whatsoever beyond his control as if the materials, stores or articles so supplied were his property. The contractor shall be responsible for returning the residual materials after completion of the contract and if fails to return, the balance materials supplied to him by the Corporation, the cost of the residual materials will be recovered from the contractor at the market rate or stock issue rate whichever be higher at the time of materials account plus 15%.

**39. LUMP SUMS IN ESTIMATE**

When the estimate on which tender is made, includes lump sums in respect of parts of the works the contractor shall be entitled to payment in respect of the items of works involved or the part of the work in question at the same rates as are payable under this contract or such items or if the part of work in question is not in the opinion of the Engineer-in-charge capable of measurement the Engineer-in-charge may at his discretion pay the lump sum amount entered in the estimate and the certificate in writing of the Engineer shall be final and conclusive against the contractor with regard to any sum or sums payable to him under the provision of this clause.

**40. LUMP SUM TENDERS**

Whenever lump sum tenders have been invited for buildings or other structures of the same type, design, the contractor shall submit his bill stated in Clause No. 18 and the Engineer-in-charge not below the rank of work, Executive Engineer shall certify by general measurement or by other method considered suitable to him, the value of work done and the contractor shall be paid monthly a sum equal to 90% of the total value the work so certified, since the last payment, after deducting a part or whole of the secured advance if not already paid for the materials utilized on the works. An additional secured advance for any fresh materials utilized on the works. An additional secured advance for any fresh materials brought on site will also be paid if certified by the officer not below the rank of Executive Engineer. After the work is completed final bill would be paid on the certification of officer not below the rank of Executive Engineer, that the work, is done according to drawing and specifications attached to the tender. If any additions and alterations have been carried out, detailed measurement in respect thereof shall be recorded and extra payment or deductions are regulated as per item rates quoted by the contractor while submitting the tender and if there are any items in the additions and alterations for which the contractor has not quoted a rate, the payment shall be as per Clause 39 above.

#### **41. ACTION WHERE NO SPECIFICATION**

In the case of any class of work for which there is no such specification as is mentioned, such work shall be carried out in accordance with the PWD and in the event of there being no PWD specification, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-charge of the Corporation etc.

#### **42. NO CLAIM FOR VARIATION IN QUANTITIES OR WORK**

Quantities shown in the tender are approximate and no claim shall be entertained for quantities of work actually executed, being either more or less up to any extent than those entered in the tender or less than those entered in the tender or estimate.

#### **43. NO CLAIM FOR COMPENSATION FOR DELAY IN STARTING WORK**

No compensation shall be allowed for any delay caused into starting of work on account of acquisition of land and in the case of clearance for works or any delay in according sanction to estimates.

#### **44. NO CLAIM FOR COMPENSATION FOR DELAY IN EXECUTION OF WORK**

No compensation shall be allowed for any delays in execution of the work on account of water standing in borrow pits or compartment. The rates are inclusive for hard or cracked soil, excavation in mud, sub-soil water or water standing in borrow pits and no claim for any extra rate shall be entertained unless otherwise expressly specified and mentioned in the tender.

#### **45. EMPLOYMENT OF TECHNICAL PERSONS**

The contractor shall keep one full time qualified Civil Engineer at the site, who shall be fully authorized to receive and comply with such instructions, as given by the Executive Engineer. The contractor shall intimate the name of such Engineer with his qualifications and experience. The Executive Engineer shall have the right to demand the removal of any technical personnel, skilled or unskilled workmen, who in his opinion are considered to cause bad workmanship in the execution of works or to cause indiscipline

#### **46. INDUSTRIAL LABOUR LAWS**

##### **1.0 Wages to be paid and time of payment etc. by the contractor**

- The contractor shall comply with the labour laws and shall furnish the returns and information as may be specified from time to time.
- At Plant gate or at Colony gate, biometric punching system is adopted by GSECL. Agency has to ensure that their laborers shall punch while entry and exit from the premises.

- Agency has to ensure that labour Payment shall be deposited to the bank account of concern labour directly and evidence thereof shall be submitted to Labour welfare officer for verification along with each bills.
- The contractor shall as far as possible obtain his requirements of labour, skilled, and unskilled from the local area. No person below the age of 18 years and above 60 years shall be employed as laborers.
- The contractor shall pay fair and reasonable wages (whether or not such wages are controlled by any laws existing at the time), to the workmen employed by him for the work. In the event of any dispute arising between the contractor and his workmen on the grounds that the wages paid are not fair and reasonable, the dispute shall in the absence of legal or other relief to the workmen shall be referred to the Engineer-in-charge who shall decide the same. The decision of the Engineer-in-charge shall be conclusive and binding on the contractor but such decision or any other decision in this behalf that the contractor's workmen may obtain by recourse to law or other level means available to them, shall not in any way, effect the condition in the contract regarding payments to be made by Corporation to the contractor only at the rates accepted in this contract.
- The contractor shall provide reasonable facilities to the satisfaction of the Engineer-in-charge, for the labour employed by him where no such natural facilities exist. The usual facilities are weather proof shelter for rest and meal, supply of wholesome drinking water, facilities for obtaining food, reasonable washing and sanitary facilities, special facilities, for women workers, suitable residential accommodation, recreational and cultural activities, general sanitation and health measures etc.
- The implementation of any and all provisions of this clause shall in no way entitle the contractor to claim compensation or rates higher than tendered in this contract.
- The Monthly payment of wages to the contract labourers will be compulsorily made through bank. The Contractor shall supply copy of Bank Statement duly stamped by the concern Bank as a Token of Proof towards payment of wages to HR Dept. Any default will result in cancellation of contract forthwith or else the contractor shall be punishable to the extent of Rs. 100/- per day by way of fine.
- The Contractor shall give his telephone number and address to the GSECL so that in case of labour troubles etc. the contractor can be contacted. The contractor shall arrange to have his office outside the factory premises and the contractor has keep himself present throughout the working hours. The Contractor shall intimate immediately to Engineer in charge of GSECL in case of any labour troubles etc.

## **2.0 LABOUR LAWS**

- (a) Persons below the age of 18 years and above 60 years shall not be employed for the work.
- (b) No female worker shall be employed in the night shift between 7 p.m. to 6 a.m.
- (c) Contractor shall maintain a valid labour license from Office of Labour Commissioner under Contract Labour (Regulation and Abolition) Act for employing necessary manpower to be required by him. The Contractor shall submit the required returns to concern authorities and submit one copy to Corporation. In the absence of such license the contract shall be liable to be terminated without assigning any reasons thereof.
- (d) The contractor shall at his own expense comply with all labour laws and keep the Corporation indemnified in respect thereof. Some of the major liabilities under various labour and industrial laws which the contractor shall comply are as under:
  - 1) Payment of Contribution by way of Employer's Contribution towards Provident Fund, Family Pension Scheme, Deposit Linked Insurance Scheme,

Administrative charges etc., at the rates made applicable from time to time by Government of Gujarat/Government of India or other Statutory Authority. The contractor shall submit along with his bill (month wise) a statement regarding deductions against Employees Provident Fund and Family Pension Scheme in respect of each concerned employee. Provident Fund and Family Pension Scheme at the rate of 12% (or at the rate made applicable by the Government from time to time) of the wages. The contractor's contribution and his workers contribution towards Provident Fund and Family Pension Scheme shall be deposited by the contractor with Regional Provident Fund Commissioner, Ahmedabad.

- 2) Payment of security deposit and License Fee as prescribed under the Contract Labour (Regulation and Abolition) Act and rules framed there under depending upon the number of workmen employed by the contractor.
- 3) Identity cards as prescribed under the Factories Act with photo affixed thereto, the same for identification.
- 4) Payment of retrenchment compensation, Notice pay and other liabilities as per Industrial Disputes Act. Any payment to the contractor's employees arising out of any claim or disputes under the Industrial Disputes Act 1947 or any other labour laws.
- 5) Payment of compensation in case of accidental injury.
- 6) Provision of creches if the female laborers employed are more than 30 numbers.
- 7) Maternity Leave as per the provision of the Maternity Benefit Act.

### **3.0 LIABILITY FOR ACCIDENTS TO PERSONS**

The contractor or sub-contractor shall indemnify the Corporation against any claims which may be made under the Employee Compensation Act, 2010, or any statutory modification or otherwise for or in respect of any damages or compensation payable in consequence of any accident or injury caused, by fault of contractor or sub-contractor and sustained by any workman or other person in the employment of the contractor or sub-contractor. In every case in which by virtue of the provisions of sub-section (1) of section 12 of the Employee Compensation Act, 2010, the Corporation is obliged to pay compensation to a workman employed by the contractor or sub-contractor in execution of the work, the Corporation will recover from the contractor the amount of compensation so paid, and without prejudice to the rights if the Corporation under sub- section (2) of section 12 of the said Act any such amount shall be paid by contractor within 30 days, failing which the Corporation shall be at liberty to recover such amount of any part thereof by deducting it from any sum due by the Corporation to the contractor under this contract or otherwise. The board shall not be bound to contract any claim made against either of them under section 12, sub- section (1) of its said Act, except on written request from the contractor and upon his giving to the Corporation full security for all costs for which the Corporation might become liable in consequence for entertaining such claim.

- The contractor and/or sub-contractor named in the contract shall indemnify the Corporation against all claims based upon injury or death to any person in the employment of the contractor or sub-contractor, or to third parties to the extent of any sums recovered under the insurance policy.
- On the occurrence of an accident which results in the death of workman employed by the contractor or sub-contractor, which is so serious as to be likely to result in the death of any such workman, the contractor shall within 24 hours of happening of such accidents intimate in writing to the Engineer-in-charge the fact of such accidents. The contractor or sub-contractor shall indemnify Corporation against all loss or damage sustained, by the Corporation resulting directly or indirectly from his failure to give intimation in the

manner aforesaid including penalties or fine if any, payable by corporation as a consequence of Corporation's failures, to give notice under workman's compensation Act or otherwise to confirm to the provisions of the said Act in regard to such accident.

- The contractor will be responsible for complying with all rules and regulations and labour laws applicable to him and the corporation will not be responsible for any lapses committed by them. If there is any claim from any Govt. Authority pertaining to the contractor the same amount will be deducted from the contractor's bills or any other amount payable to him.
- The above are some of the major liabilities of the contractor in addition to other liabilities prescribed under the various labour laws in force from time to time from Statutory Authorities like State Government/ Government of India which the contractor shall have to comply with.

**4.0.0 BOCW:** - For any construction happening outside the Factory premises, BOCW, Act will be applicable and the contractor / sub-contractor shall be replied to comply its labour Laws/Rules.

**4.0.1 INSURANCE:** "The contractor shall procure, or arrange for the sub-contractor to procure insurance coverage in amount approved by the Corporation and sufficient to protect against the following risks arising out of the work. The contractor shall cover all his employees under Employee's Compensation Act if ESI Act is not applicable. The Contractor has to fulfill his liabilities i.e. contribution, filing of returns etc. if ESI Act is applicable.

Accidents and professional and non-professional sickness of all laborers and personnel engaged in the work as required by law pursuant to Employee compensation Act, 2010.

Injury or death to third parties including without limitation injury or death caused by any of the construction aids or other vehicles or rented equipment used by the contractor or subcontractor, whether at the site or elsewhere".

- (a) All insurance referred to under a) of this condition shall be in effect from the date of commencement of work and shall remain in force until the work has been completed and finally accepted by the Corporation or such extended period as may be decided by the Corporation.
- (b) In the policies covering the insurance referred to above, contractor and sub-contractor shall be named as co-insured where possible.
- (c) The cost of insurance shall be borne by the contractor.
- (d) Insurance shall be affected for all the contractor's employees engaged in the performance of this contract. If any of the work is subletted to the sub-contractor, the contractor shall require to provide employee's compensation and employer's liability insurance for the sub latter's employees unless such employee covered under the principal contractor's insurance.

## **5.0 ACCOMMODATIONS TO LABOURS**

- (a) The contractor shall, at their own expense make all necessary provisions for Housing, water supply and sanitary arrangements for their employees as well as for works and shall pay direct to the authorities concerned, all rates and taxes.
- (b) The contractor shall construct the quarters for his staff on a good spot selected by him. The contractor shall maintain at his own cost an efficient staff to clean sewage as may be suggested by Engineer-in-charge.
- (c) Suitable fire preventive measures to the satisfaction of the Engineer-in-charge shall be taken by the contractor.

- (d) The contractor shall construct trench or semi-permanent latrines for the use of laborers. Such latrines shall be on a scale of not less than 5 per 100 persons in the camp. Separate latrines shall be provided for men and women. The huts for laborers shall be sufficient in nos. and shall conform to the following requirement:
- (e) Huts of bamboo and grass may be constructed.
- (f) The camp shall not be established close to a large cutting or earthwork.
- (g) The lines of huts shall have open spaces at least 10 yards between two rows. Due attention shall be given to drainage.
- (h) A floor space at a minimum rate of 30 sft. Per head shall be provided in the hutments.
- (i) The contractor shall construct at least one bathing place per 20 persons. The baths shall be properly screened and separate bathing places for men and women shall be provided. Washing places shall be provided at minimum one per 30 persons.
- (j) Sufficient arrangements for drainage of sewage water from bath, washing, etc. shall be made to the satisfaction of the Engineer-in-charge.
- (k) Contractor shall maintain necessary staff for conservancy and cleanliness of the camp to the satisfaction of Engineer-in-charge. At least one sweeper per 200 persons should be employed. The Assistant Director of Public Health shall be consulted before opening a layout camp and his instructions in respect of water supply, sanitary conveniences, camp site accommodation and food supply etc. should be followed by the contractors. The contractor shall make arrangement for all anti malaria measures or in case of epidemic shall take necessary measures as directed by the Assistant Director of Public Health. Safety precaution as laid down by the safety manual published by C.W. and T.C. shall be followed by the contractor; a copy of the manual will be available for reference at the Office, of the Engineer-in-charge.

## **6.0 PAID LEAVE FACILITY**

Paid leave facility at the rate of one day for every twenty days worked by the contract labour shall be provided by the contractor to his workers. He shall maintain leave records/leave cards for individual laborers which shall be duly verified and certified by the authorized officer of the GSECL.

## **7.0 GRATUITY / BONUS LIABILITIES**

The contractor shall pay Gratuity and Bonus to its eligible employees under the Gratuity Act and Bonus Act if it is applicable.

- 8.0** The Contractor shall employ adequate number of experienced staff at site for daily supervision and for maintenance of various registers and records required under the law and contract. No payment for supervision shall be admissible.

## **9.0 CONTRACTOR TO INDEMNIFY THE CORPORATION**

The contractor shall indemnify and keep indemnified the Corporation and every officer and employees of the Corporation and also Engineer-In-Charge and his staff against all actions, proceedings, claims, demands, costs and expenses whatsoever arising out of or in connection with the matters referred in above clauses and elsewhere and against all actions, claims, demands, costs and expenses which may be made against the Corporation by any workman/employee of the contractor or any sub-contractor and/or from any liability may arise to any workman/employees of the contractor or any sub-contractor under any laws, rules or regulation having the force of law including but not limited to claims against the owner under workmen compensation Act, 1923. The employee's Provident Act 1952, and/or the contract Labour (Abolition and Regulation) Act 1979. The Corporation shall not be liable for or in respect of or in consequence of any accident or injury to any workmen or other person in the



employment of the contractor or his sub-contractors, and the contractor shall indemnify and keep indemnified the Corporation against all such damage and compensation and against all claims, demands, proceedings costs, charges and expenses whatsoever in respect thereof or in relation thereto.

**10.0** The Corporation reserves the right to terminate this rate contract at any time during its pendency without giving notice of termination or any reasons thereof.

**11.0** The Corporation will be entitled to deduct directly from the bills, to be paid to the Sub-contractor and Laborers any sum or sums payable by contractor and which sum/sums the Corporation is required to pay as a principal employer on account of contractor's default in respect of all liabilities referred to in above clauses.

**12.0** Nothing in the contract document stated shall place obligation or liability upon the corporation in respect of any such workmen/employee of contractor or sub-contractor.

**13.0** Bidder should note that the prevailing Act at the time of execution of work over and above act specified herein shall be binding to the Contractor.

**14.0 EMPLOYMENT OF SCARCITY LABOUR**

If Government declares a state of scarcity or famine to exist in any village situated within 20 Kms of the work, the piece worker/contractor shall employ upon such part of the work as are suitable for unskilled labour; any person certified to him by the Executive Engineer or by any person to whom Executive Engineer may have delegated this duty in writing to be in need of relief and shall be bound to pay such person wage not below the minimum, which Government may have fixed in this behalf from time to time. Any implementation of this clause shall be decided by the Superintending Engineer/Engineer-in-charge whose decision shall be final and binding on the piece worker/contractor.

**15.0 DEPOSIT LINKED INSURANCE SCHEME**

The contractor shall have to deposit 0.50% (half percent) or the rate applicable from time to time of the wages in respect of employees who are members of the PF, as the contribution to the Deposit Linked Insurance Scheme, with the Regional Provident Fund Commissioner.

**16.0 MINIMUM WAGES ACT**

The contractor shall pay prevailing minimum wages as applicable from time to time to the laborers engaged by him as per the Minimum Wages Act payment in Bank / presence of the GSECL's officer or representative.

**17.0 ADMINISTRATIVE CHARGES**

Administrative charges for maintaining Provident Fund account shall be deposited by the contractor with the Regional Provident Fund Commissioner, Ahmedabad, at the rates applicable.

**18.0 E.S.I. ACT**

The contractors shall comply with the provisions of E.S.I. Act wherever applicable as per the prevailing provisions of the Act and as amended from time to time.

**19.0 LABOUR LICENSE FOR LABOUR CONTRACT**

The Contractor / Agency shall have to obtain the copy of Labour Contract License under contract Labour (Regulation & Abolition) Act from the appropriate authorities before commencement of work.

**20.0 WORKMEN'S COMPENSATION FUND AND EMPLOYER'S LIABILITY INSURANCE**

Insurance shall be affected for all the contract employees engaged in the performance of this contract. If any of the work is sublet after due permission in writing from the GSECL, the contractor shall require the sub – contractor to provide workmen’s compensation and employer’s liability insurance for the later employees, unless such employees are covered under the contractor’s insurance. It shall be the liability of contractor for employees of his sub – contractor. The contractor must insure that all the laborers may cover before starting the works.

## **21.0 SUBMISSION OF RETURNS & MAINTENANCE OF RECORDS**

The contractor shall submit the returns under the Contract Labour Act, payment of Bonus Act, Payment of Gratuity Act etc. and shall have to maintain all up to date records / registers in respect his employee as prescribed under various Labour Laws and produce the same as and when demanded by GSECL’s or Govt. appropriate authorities.

- 22.0** Contractor / Agency shall have to issue the contractual appointment letter for a specific period to their Labour engaged during the contract period each and every instance & should narrated clear out terms & conditions for the liabilities of the concerned employees.
- 23.0** As a contractor, the contractor shall be responsible and liable to pay difference in wages, if any, and / or observe the revised service conditions that may be awarded by the Honourable Industrial Tribunal effective from the date directed in the award.
- 24.0** The contractor must be maintaining regular Labour record and should be paying all acquired benefits to Labour force and contractor should obtain certificates to this effect from HR Officer of GSECL.
- 25.0** The contractor will make arrangements at his own cost to insure all men, materials and equipment employed for this work. The GSECL will to be responsible for any loss or damage either to the contractor’s personnel or his equipment.
- 26.0** Dispute, if any, taking place between the contractor and laborers must be intimated to LWO/IRO, BHAVNAGAR LIGNITE TPS, immediately.
- 27.0** Any casualty will also have to be borne by the contractor for the period the contract continues.
- 28.0** The Contractor / Agency shall have to produce / submit the copy of Wage Register, Muster Roll, PF Deposition Challan, PF Schedule, Copy of Bank Statement duly stamped by the concern Bank and relevant records under various Labour Laws for the contract work to HR Department to ensure compliance to provisions of various legislations.

## **47. MATTERS RELATED TO EXECUTION OF WORK**

- a)** **Work shall commence** from the date given in letter to commence the work by EIC at site. The Contractor shall make all necessary arrangements at site to mobilize labour, operators, divers and materials and maintain necessary number of machinery and equipment, barge, pontoons etc., to guarantee the agreed rate of progress of work as per schedule.
- b)** A detailed work schedule showing how he proposes to carry out the work, specifically mentioning time periods as well as date of commencement and completion of each activity and such approved schedules must be strictly adhered to by the CONTRACTOR. After the owner has agreed with the schedule, the Contractor shall prepare detailed program of each work front/activity breaking it down giving daily quantifiable/measure of progress. The schedules are to be reviewed periodically with the OWNER / ENGINEER to ensure that the completion date will be met or to institute corrective steps (at no extra cost to the ENGINEER) to adhere to the completion dates. The OWNER reserves the right to revise the schedule at his discretion in order to keep up to the completion date and to suit the project requirement and such alterations shall not entitle the CONTRACTOR to any extra payment.
- c)** A **work schedule** with **PERT / Bar Chart** for carrying out the work in prescribed time limit mentioning date of commencement, activity to be carried with its time period, starting & finishing event for each activity, completion of total project in critical path etc, shall be jointly

fixed and approved by the GSECL. Such approved schedules must be strictly adhered by the Contractor.

- d) After the GSECL has agreed with the schedule, the Contractor shall prepare detailed program of each work front / activity breaking it down to daily quantifiable measure of progress. The schedules are to be reviewed periodically with the Owner / E.I.C to ensure that the completion date will be met or to institute corrective steps (at no extra cost to the GSECL) to adhere to the completion dates. The Owner reserves the right to revise the schedule at his discretion in order to keep up to the completion date and to suit the project requirement and such alterations shall not entitle the Contractor to any extra payment.
- e) The GSECL reserves the right to delete any item of schedule-B for which contractor shall not have any right to claim on this account.
- f) One permanent reference bench mark and a reference base line shall be given for lay out of work, which shall be maintained without disturbance by the CONTRACTOR during the tenure of the contract. CONTRACTOR shall establish local bench marks as directed by the ENGINEER IN CHARGE.
- g) The contract or any part thereof shall not be subject to change without the written permission of the Chief Engineer (Gen.)/ Station Head GSECL, BHAVNAGAR LIGNITE TPS or his authorized representatives.
- h) During the execution of the work if it is found that the work is not progressing as per the scheduled program approved by the GSECL & planned by the contractor, due to the reasons attributable to the contractor, suitable action shall be taken as per Clauses in this tender elsewhere & other relevant clauses appearing in the section of “Terms & condition of tender & works contract, Legal conditions of works contract” of tender document. And the GSECL may also take such action as it may deem fit to ensure that the work is completed in time at Risk and Cost of the contractor.
- i) Contractor shall attend meetings at EIC's office at site or any other place as fixed by the EIC, as and when required for review, discussion, coordination etc. Attending these meetings shall be obligatory on the part of the Contractor, at no cost to the GSECL.
- j) The Contractor shall take all requisite & necessary care to observe that no damage is caused to the existing, pumps, existing works, service road, or any other structure etc. For any damage to the existing structures of the GSECL, the Contractor shall be held responsible and he will have to rectify the damage immediately up to the satisfaction of Engineer in Charge, at his own cost.
- k) The work shall be completed within the period stipulated in the contract. & site clearance arranged according to the progress of work at site. Therefore, the contractor has to organize & coordinate the work to suit these circumstantial conditions. In the event of any delay due to the above or due to any other reason not attributable to the contractor, reasonable extension in completing the work may be given at the discretion and as decided by the GSECL but no compensation or idle charges will be payable to the contractor on this account or any site conditions under any circumstances.
- l) No idle charges shall be entertained by GSECL for any site condition or any circumstances. The corporation will not pay any type of advances including mobilization advance

#### 48. RECOVERIES

- a) In case of any **damage** to equipment / machinery or structure / building of GSECL or any public property due to negligence of contractor or any other reasons attributed to contractor, the decision of E.I.C. regarding the amount of recovery shall be final.
- b) If the contractor fails to execute the work as per direction of E.I.C. within the **time frame** given, the GSECL shall get the work done through any other contractor at the risk and cost of the contractor and the cost of execution of such work along with 15% overhead charges shall be deducted from contractor's monthly bill over and above recovery **as per rules**.

- c) Recoveries due from the contractor, up to the end of the month previous to the one in which the bill is prepared shall be made from bills approved for payment every month or at other periods when the bills are prepared, for the various items in the following order of priorities and extents.
- d) Deduction on account of security deposit in full together with shortage, if any, to be made good.
- e) Penalty in full, if levied.
- f) Expenditure, if any, incurred by the Corporation on Contractor's behalf in labour or materials in full.
- g) Charges for services such as water and power supply etc. in full.
- h) Charge on account of supply of materials like cement and steel in case of shortages found in balance or excess consumption than specified.
- i) Hire charges for Corporation or Government machinery if any.
- j) Recoveries of advance and secured payment or payments for preliminary work in full or the installment due if and as the same as may have been allowed.
- k) Rent recovery on account of allotting quarters on rent as per Corporation's rules.
- l) Income tax and sales tax in full as per Government rules.
- m) Outstanding recoveries in respect of other contracts awarded by the Corporation if any.
- n) Other recoveries. (If any)

#### **49. WORK TO BE EXECUTED TO THE SATISFACTION OF THE ENGINEER -IN-CHARGE**

The contractor shall proceed with the work with diligence and expedition and the whole of the work herein specified as well as the mode of execution shall be under the supervision and direction and shall be carried on to the entire satisfaction of the Engineer-in-charge, who shall have full power to order the contractor to alter, enlarge or diminish the form, dimensions, positions, or quantities of any of the work or to make use of material and workman-ship of different descriptions and qualities from this herein specified.

The whole of the works, together with any temporary works, associated therewith, shall be carried on in the most substantial proper and mannered workman like manner, with the best materials and workmanship and to the entire satisfaction of the Engineer-in-charge and in such order of time as he may direct. The contractor shall attend to and execute without delay all orders and instruction which may from time to time be issued by the Engineer-in-charge.

#### **50. MATERIALS WORKMANSHIP ETC.**

The work shall be executed in thoroughly substantial manner with material and workmanship of best quality and strictly in accordance with the specifications and with the drawings, or with such other drawings or written instruction as may from time to time be furnished to the contractor, in accordance with terms of this contract and shall be completed in every respect with all materials and workmanship implied and necessary according to the fair interpretation and meaning of the same and should there be any discrepancy between the drawings and specifications or any difference or disputes as to the dimensions to be worked to or the quality of the materials to be used, or the mode of doing periodical quantity of the work to be executed or with respect to any subject arising out of this contract, the decision of the Engineer-in-charge shall be final and binding on all parties. Rejected material shall be so disposed off as to obviate any possibility of their use on works. The place, method and period of disposal shall be as directed by the Engineer-in-charge.

#### **51. SAMPLES OF DESCRIPTIVE DATE**

Samples of descriptive data, requiring approval, shall be submitted by contractor to the Engineer-in-charge in good time before the use of such material for inspection and permission of testing if required. The samples shall be properly marked to show the name of the material, manufacture, place of origin, and place where to be used etc. Failure of any sample to pass specified tests will be sufficient cause for the refusal to consider any further sample from the same source.

## **52. FENCING AND LIGHTING AND VENTILATION**

Except as herein after provided, the contractor shall unless otherwise specified, be responsible for the proper fencing, guarding, lighting and taking of the necessary safety measures for all works comprised in the contract and or the proper provision of temporary roadway, footways, guards fences, caution notices etc. as far as the same may be rendered necessary by reasons for the work for the accommodation and protection of workman foot passenger or other traffic and of the owners and occupiers of adjacent property and of the public and shall remain responsible for any accidents that may occur on account of his failure to take proper and timely precautions.

All the arrangements made for fencing, lighting and ventilation shall be maintained by the contractor throughout the tendency of the contract till physical taking over of the work by the department.

## **53. LIABILITY FOR DAMAGE TO WORKS OR PLANTS**

- (a) The contractor shall during, the progress of the work, properly cover up and protect the work, and plant, and materials placed at his disposal or acquired for him by the Corporation, from injury by exposure to the weather, or any cause what so ever and shall take every reasonable proper timely and useful precaution against accident or injury to the same from any cause and shall be and remain answerable and liable for all accidents, or injuries thereto which until the same be or be deemed to be, taken over by the Corporation, may arise or be occasioned by the acts or omissions of the contractor or his workmen of sub-contractors, and all losses and damages to the works or such plant or material arising from such accidents or injuries as aforesaid shall be made good in the most complete and substantial manner by and at the sole cost of the contractor and to the reasonable satisfaction of the Engineer-in-charge. If the contractor fails to make good such losses & damages within the time given by the Engineer-in-charge, the Corporation shall be at liberty to recover the amount fixed by the Engineer-in-charge for such losses or damages or any part thereof by deducting it from any sum due by the Corporation to the contractor under this contract or otherwise.
- (b) Further the contractor shall, at all time, protect and preserve all materials, plant and equipment that he may himself have procured for the execution of the work. All reasonable requests of the Engineer-in-charge to enclose or especially protect any of the above shall be expeditiously complied with.
- (c) If the Engineer-in-charge considers that the work or materials or plant is not sufficiently protected by the contractor, he shall be entitled to arrange for such protection at his unfettered discretion and recover the cost thereof from the contractor.
- (d) Until the work shall be or be deemed to be taken, over as aforesaid, the contractor shall also be liable for and shall be deemed to have indemnified the Corporation in respect of all damage or injury to any person or any property of the Corporation or of others, occasioned by the negligence of the contractor or his workmen, or his sub-contractor, or by defective design, work or materials.

## **54. EXPLOSIVE PROCUREMENT AND STORAGE (IF APPLICABLE)**

- (a) Explosives, petrol, oils, fuels and other inflammable materials shall be stored strictly in accordance with the rule of the Explosive Department.
- (b)
  - ii) The contractor shall at his own expense construct and maintain, proper magazines which are required for the storage of explosive and arrange for proper storage facilities for oils, fuels etc. for use in connection with the work.
- (c)
  - iii) The contractor shall at his own expense obtain such license or licenses as may be necessary for strong and using explosives, oils, fuels etc. The department shall not take any responsibility

whatsoever in connection with the storage or use of explosives on the site, or any accident or occurrence whatsoever in connection therewith. All operation of the contractor in which or for which Explosives are employed shall be at risk of contractor and upon his own responsibility.

## **55. MATERIALS TOOLS AND PLANT BROUGHT ON THE SITE OF WORK**

All materials, tools and tackle of the contractor brought to and delivered upon the site for the purpose of the work shall from the time of their being so brought shall be deemed to be the property of the Corporation in its possession to be used for the purpose of the work and for that purpose only and shall not on any account be removed or taken away by the contractor or any other person without the written permission of the Engineer-in-charge but the contractor shall nevertheless be solely liable and responsible for and loss destruction thereof or damage thereto. The Corporation shall have a lien on such materials, tools and tackle for any sum of sums which may at any time prior to the completion of the works be due or owing to the Corporation by the contractor, under in respect of and dispose of any such materials, tools and tackle in such manner as the Corporation may think fit and to apply the proceeding in or towards the satisfaction of such sum or sums so due or owing as aforesaid but subject to such lien and power of sale and disposal such surplus materials, tools and tackle shall belong to the contractor and may be removed and disposed of by him as he may think fit.

## **56. ACCESS TO SITE AND WORK ON SITE**

The Engineer-in-charge or his authorized representative may if he consider fit from time to time enter upon any lands which may be in the possession of the contractor under this contract, for the purpose of executing any work not included in this contract and may execute such work not included in this contract by agents, or by other contractors at his option and the contractor shall in accordance with the requirements of the Engineer-in-charge, afford all reasonable facilities for execution of the works including occupation of lands by structure or otherwise for any other contractor employed by the Corporation and his workmen or for the workmen of the Corporation who may be employed in the execution on or near the site of the work not included in the contractor's any contract in connection with or ancillary to the works and in default, the contractor shall be liable to the Corporation for any delay or expense incurred by reason of such default. Provided always that if the exercise of those power shall cause any damage to the contractor he may within fifteen days of such damage arising make a statement of the same to the Engineer-in-charge who shall from time to time assess the value in his Judgment of such damage and the Corporation shall from time to time shall pay to the contractor the amounts (if any accepted as justified) by the Engineer-in-charge. The contractor shall not however, on account of any such modified, new or extra work executed by or for the same of the Corporation be entitled to claim relief from the obligation to execute other works.

## **57. INSPECTION OF WORKS**

The Engineer-in-charge or his duly authorized agent shall have at all-time full power to inspect the works, wherever in progress, either on the site, on the contractor's premises or at the premises wherever situated, of any firm or Corporation where work in connection with this contract may be in hand.

Further, the contractor shall not allow, without written authorization permit entry on site of work, any person except authorized agents of the Corporation of the Engineer-in-charge or the contractor's staff and labour directly engaged on and in connection with the work.

The contractor shall, during working hours, maintain supervisors having sufficient training and experience to supervise the various items and operations of the work and the said supervisors shall remain present during the inspections of the Engineer-in-charge. All orders and directions given to such supervisors or other staff of the contractor shall be deemed to have been given to contractor. Further the Engineer-in-charge may be due notice, desire a higher ranking members of the supervisory staff of the contractor to be present on any specified inspection and the contractor shall comply with such direction.

## **58. CLEANING UP**

- (a) The contractor shall at all times keep the construction area and his power house and storage areas free from accumulation of waste, or rejected materials.
- (b) Prior to the completion of the work the contractor shall remove all rubbish from and about the premises, and all tools, scaffolding, equipment and materials which are not part of permanent structure. The premise will be left in a manner fully satisfactory to the Engineer-in-charge, thereafter only the completion certificate will be issued.

#### **59. CONTRACTOR TO KEEP INVENTORY OF MATERIALS ETC.**

The contractor shall prepare and maintain an inventory of all materials temporary rolling stock, plant purchased or hired for use of employment or for any of the purposed for this contract and such inventory or a copy thereof shall at all times be available for inspection by the Engineer-in-charge. A complete and up to date copy of the inventory shall be submitted to the Engineer-in-charge in the beginning and once a year; thereafter changes in the interim period, if any shall be communicated on every three months.

#### **60. CONTRACTOR TO RESTORE PLANT**

Upon completion of the work, the contractor shall deliver to the Corporation, all appliances, materials, and plants which may have been loaned or hired to him by the Corporation and make good all damages which may have occurred to them, except such as shall be caused by fair wear and tear in execution of the works.

#### **61. PROGRESS SCHEDULE**

- (a) The contractor shall furnish, within one week unless extended by the Engineer of the order to start the work, a progress schedule in quadruplicate indicating the date of start the weekly progress expected to be achieved and the anticipated completion date of each major items of work to be done by him, also indicating dates of procurement and setting up of materials, plant and machinery. The schedule should be such as is practicable of achievement towards completion of the whole work in the time limit and of the particular items on due dates specified in the contract and shall have the approval of the Engineer. Further, the dates for the progress as in this schedule shall be kept up-to-date. In case it is subsequently found necessary to alter this schedule, the contractor shall submit in good time a revised schedule incorporating necessary modifications proposed and get the same approved by the Engineer. No revised schedule shall be operative within such acceptance in writing.
- (b) Detailed schedules for each week showing the progress proposed to achieve shall be submitted to the Engineer and got approved. The Engineer is further empowered to ask for more detailed schedule or schedules any week by week, for any items or items, and the contractor shall supply the same as and when asked for.
- (c) The Engineer shall have, at all times the right without in any way vitiating this contract, or forming grounds for any claim to alter the order of the works or any part thereof and the contractor shall after receiving such direction proceed in the order directed. The contractors shall also revise the progress schedule accordingly and submit four copies of the revised schedule to the Engineer within seven days of the Engineer's direction to alter the order of works.
- (d) The contractor shall furnish sufficient plant equipment and labour and shall work such hours and shifts as may be necessary to maintain the progress on the work as per the approved progress schedule. The working and shift hours shall comply with all GSECL's regulations in force and shall be such as may be approved by the Engineer. They shall not be varied without the prior approval of the Engineer.
- (e) The contractor shall from time to time as may be required by the Engineer, furnish the Engineer, with a statement in writing of the arrangement he proposes to adopt for the execution of this contract and the Engineer may if he considers, necessary at any time advise alteration in the same, which the contractor shall adopt on notice thereof.

- (f) The progress schedules shall be in the form of progress charts, forms, statement and/or reports as may be approved by the Engineer. Further, the contractor shall submit four copies showing the progress of work in forms and charts etc. at periodicals intervals as may be specified by the Engineer.

## **62. DATE OF COMPLETION**

The contractor shall supply, erect, equip and construct the whole of the works and hand over them to the Corporation on or before the date specified in the tender document including "Special Conditions" and save as herein provided, in no circumstances whatever shall extend or alter the date for the completion of works. Provided always that if in the opinion of the Engineer-in-charge the completion of the works shall be delayed by any change of original design or by the order of the Engineer-in-charge, of any altered, modified substituted or additional works or materials omitted or by strikes, lock outs or stoppages of labour, or revolution, riots, civil or political disturbance or by causes directly due to war or by the contractor not being given possession of the site or any part thereof or by the Corporation taking possession of and using the site or any part thereof or the works or any part thereof, whether any nonperformance of work under the powers herein contained or otherwise or by any nonperformance of work or non-supply of materials to be performed or supplied by the Corporation or by the contractor not receiving any orders, drawings, instructions or directions in time or by the suspensions of the works or by fire, flood exceptionally bad weather tempest, storm, or by from unforeseen circumstances (and whether the same shall be due to any act or omission of the Corporation or its agents or those in their respective service or not) the Engineer-in-charge may, if in his unfettered discretion, he thinks fit either forthwith or at any later time and from time to time notwithstanding that the prescribed or extended time for completion has expired or that the work have been completed, by writing under his hand, extend the time for the completion of the works to such date as he shall appoint. Provided always that unless the contractor makes a written application to the Engineer-in-charge within one month of the cause of delay and unless the time is extended by the Engineer-in-charge, the prescribed time shall not be extended notwithstanding delays from the aforesaid foregoing or any other causes of whatsoever kind.

## **63. SUBLETTING OF CONTRACT**

There will be generally no objection on the component parts for the work, being given over to responsible sub-contractors but Corporation shall under no circumstances recognize these sub-contractors and the responsibility of executing the work in the accordance with the conditions of contract will entirely rest on the main contracts. The main contractors will therefore always have the very responsible member, preferably a technical hand present on the works with power to sign all work orders issued on the site of work and to take requisite actions in the interest of very efficient execution of work. However, the subletting of the contract can be made only with the prior approval of the competent authority of the Corporation.

## **64. OTHER CONTRACTS FOR THE WORK SUSPENSION STOPPAGEOR CURTAILMENTS OF WORK**

If during the tendency of the contract the Engineer-in-charge shall for any reasons (which shall be unquestioned) whatsoever require the whole or any part of the work as specified in the contract to be suspended for any period or shall not require the whole or any part of the work as specified in the contract to be carried out at all by the contractor, he shall give notice in writing of the fact to the contractor who shall thereupon suspend or stop the work totally or partially as the case may be. In any, case, except as provided hereunder, the contractor shall have no claim to 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 so derive in consequence of the full amount of the work not having being carried out, or on account of any loss that he may be put to on account of materials purchased or agreed to be purchased or for unemployment of labour recruited by him. He shall not also have any claim for compensation by reason of any alterations having been made in the original specifications, drawings, designs and instruction which may involve any curtailment of the work as originally contemplated. Where, however, materials have already been purchased or agreed to be purchased by the contractor, before receipt by him of the aforesaid notice, the contractor shall be paid for such materials at the rate determined by the Engineer-in-charge, provided they would have



been useful for the work curtailed or stopped are not in excess of requirements, are of approved quality and cannot be used on other contract works or otherwise by the contractor and/or shall be compensated for the loss if any, that he may be put to, in respect of materials agreed to be purchased by him, the amount of such compensation to be determined by the Engineer-in-charge, whose decision shall be final.

The Engineer-in-charge may grant extension of time for the execution of any item or items of work affected by such suspension of work. The decision for the Engineer-in-charge, regarding the granting of extension and the period thereof shall be final. The Engineer-in-charge may order the contractor to suspend any work on account of bad weather; rain or storm and such other adverse climate conditions and the contractor shall comply with the same.

The contractor shall not be entitled to a compensation for such suspension of work, concrete lining at the junctions of the different works under different contract shall be done with particular care regarding forms, construction joints, interconnecting reinforcement etc. if any and the joint planning of such work shall be with prior approval of the Engineer-in-charge.

## **65. OTHER CONTRACTORS**

Apart from this work, the other works connected with the power house will be simultaneous going on either departmentally or through agencies inside or outside the power house. Each contractor or agency shall co-operate with others to the fullest extent and shall allow to each other every facility and co-ordination for execution of their works simultaneously and satisfactorily, during their action of machinery or execution of any other co-ordination works of the power house, the contractor will have to work only at places as directed by the Engineer-in-charge. He will have some time to suspend his work partially or totally in the interest of the work at large.

In such cases and at such time, he will be informed from time to time and directed by the Engineer-in-charge where to work. He may also be required to remove the scaffolding or to erect the scaffolding and shuttering in such a manner as to be of little obstruction and inconvenience for erection of machinery. In such cases he shall not be given any compensation on account of reduction or stoppage or labour force or removal and reinstatement of scaffolding shuttering etc. It will be seen that contractor is not put to unnecessary inconvenience.

In the matter of dumps, haul, roads, drainage, diversion and the like, each contractor shall take into consideration the needs and requirements of the other constructors, if any working in the vicinity. Further no contractor shall take or cause to be taken any stops or action that may cause disruption, discontent or disturbance to the work, labour of arrangements etc. or other contractors in the neighboring project localities.

Any action, by any contractor, which the Engineer-in-charge in his unquestioned discretion may consider as infringement of the above code, would be considered as a breach of the contract conditions and the Engineer-in-charge may take such action as he may deem fit against the contractor and the action taken shall be considered as final and binding.

## **66. SPEED OF WORK**

The contractor shall at all times maintain the speed of work to conform to the latest operative progress schedule but the Engineer-in-charge may at any time with sufficient notice in writing direct the contractor to slow down any part or the whole of the work for any reason (which shall not be question whatsoever, and the contractor shall comply with such orders of the Engineer-in-charge. The compliance of such orders shall not entitle the contractor to any claim or compensation.

## **67. CONTRACT DOCUMENT AND MATTERS TO BE TREATED AS CONFIDENTIAL**

All documents, correspondence, decisions and other matter concerning the contract shall be considered as of confident and restricted nature by the contractor and he shall not divulge or allow access there to any unauthorized persons of any kind.

## **68. ACCESS TO THE CONTRACTOR'S BOOK**

Whenever it is considered necessary by the Engineer-in-charge to ascertain the actual cost for execution of any particular item of work of supply of plant or material shall direct the contractor to produce the relevant documents such as pay rolls records of personnel, invoices of materials and any other data relevant to the item or necessary to determine its cost etc. and the contractor to the aforesaid items in the mode and manner that may be specified.

**69. INTEREST ON MONEY DUE TO THE CONTRACTOR**

The contractors shall not be entitled to get interest on any amount either of their bills or arrears whatsoever because of delay in payment by the Corporation. Similarly they shall not be entitled for any interest on amount of bank guarantees given by them. Non-payment of interest by the Corporation therefore, shall not cause breach of contract.

**70. MEASUREMENTS TO BE PROVISIONAL AND SUBJECT TO CORRECTION**

Every measurements for running payment on account of work, done or supplies made, shall be subject to adjustment or final measurements. In case of disagreement between such intermediate and final measurements, the latter shall prevail. All works shall be measured, met by standard measure and according to rules and custom and usual in the use in Gujarat State Electricity Corporation Ltd., and no proposal to adopt alternative method will be accepted, the Executive Engineer's decision as to what is "the usual method in use in the Gujarat State Electricity Corporation Ltd." shall be final.

**71. BREACH ON PART OF CORPORATION NOT TO ANNUAL CONTRACT**

No breach or non-observance on the part of the Corporation of any of the agreements contained herein, shall annul this contract or discharge the contractor from the observance and performance thereof, or of any part thereof, but on application by the contractor and in the unfettered discretion of the Engineer-in-charge an extension of time may be given to the contractor in respect of such breach or non-observance by the Corporation.

**72. PROFORMA RETURNS**

The contractor shall maintain Performa, charts and details regarding machinery equipment materials, labour personnel and other matters as may be specified by the Engineer-in-charge. He shall further, submit returns of Performa and details as may be specified by the Engineer-in-charge from time to time.

**73. LOCAL LAWS**

All local laws in force at the time of entering into the contract and those enacted thereafter shall be binding on the contractor and he shall abide by the same.

All import duties, sales tax and other local taxes shall be borne by the contractor and they shall be deemed to have been covered by this quoted tender rate.

**74. WORKS IN SHIFT DUTY**

Works shall be planned in shift duties, if possible in three shifts, depending on emergency of the work with prior approval of Eng. - in- charge. On Sunday or any other holidays work shall be continued in order to maintain progress with prior permission of Eng.-in -charge. Such works shall not form any grounds for complaint, compensation or extension of time limit.

If on the other hand, the Engineer-in-charge directs that the work shall be proceeded with on days and during hours which are not permissible under this contract, the contractor shall proceed with the work as directed without in any way vitiating this contract or forming any grounds for compensation of claim.

The contractor shall in his dealing with labour, at all times, during the period of this contract, have due regard to local festivals and religious and other customs.

A working day shall consist of two shifts each of eight hours, a working day shall constitute any day on which in the opinion of the Engineer-in-charge, work can be carried out in one or more shifts.

## 75. LIENS

Final payment to the contractor shall not be made until the contractor shall deliver to the purchaser or receipts in full in lieu thereof, and in either case, an affidavit that so far he has knowledge or information the releases and receipts include all the labour and material for which in lien could be filed. If any lien remains unsatisfied after all payments are made, the contractor shall refund to the purchaser all moneys that the latter may be compelled to pay in discharging such a lien, including all costs and a reasonable attorney's.

## 76. MISCELLANEOUS

- (a) In case of **conflict / discrepancies** among clauses of different specifications given in this document, the stringent specification shall be followed and under such circumstances, the decision of the EIC shall be final and binding to the Contractor
- (b) The Notice inviting tender, general instruction to bidders and all other documents of this tender shall **form part of the contract**
- (c) No receipt for any payment alleged to have been made by a Contractor in regard to any matter relating to tender of the contract shall be valid and binding on the Corporation unless it is signed by the Engineer-in-Charge.
- (d) As per provisions of Income Tax Act, Corporation shall deduct Income Tax at the applicable rate.
- (e) Agency has to note that the extension of Time limit/excess saving in the works if required to approve, than it shall be processed as per the provision of DoP and will take time for process the same.
- (f) The contract is inclusive of the cost of materials required to complete the work in totality.
- (g) It will be absolutely incumbent on the contractors to have on the site of work only such of the materials as have been duly passed by the Engineer-in-charge. Materials that have been rejected must on no account be allowed to remain on the site, and in spite of written order to do so, any such rejected materials is on the site beyond a period of 48 hours' notice, the Engineer-in-charge shall have the right to remove it, at the risk and cost of the contractors and even to destroy it.
- (h) It must be distinctly understood that conditions of contract and of claims in respect of extra work, will not be allowed unless the works to which they relate is clearly without the spirit and meaning of the specifications or unless such works are ordered in writing by the Engineer-in-charge and claimed for in specified manner.
- (i) Contractor will be asked to present the sample of materials, and the approved samples will be preserved at the site of work, and no change in the approved sample will be allowed, without the written permission of the Engineer-in-charge.
- (j) The department reserves the right to make any change in the design and the plans of the works. The contractor shall be bound to carry them out at the rates tendered. No claim or compensation will be allowed on this account.
- (k) The contractor shall keep instruction book on site, for taking site instructions from time to time. This book shall be made available on site whenever asked for.
- (l) Above construction equipment brought to site shall be allowed to be taken out only after the work for which it has been brought is over. The equipment shall be taken out only with the specific permission in writing from the E.I.C. Only the equipment required for the work and in fit condition shall be brought to the site. The Contractor shall ensure that proper documentation is followed at entry gate of GSECL's premises for such items which shall be carried back by Contractor after completion of work.
- (m) The Contractor shall provide all temporary ladders, scaffolding materials, platforms, supports

and other necessary facilities required for trimming & cutting of trees. The Contractor shall provide sufficient, strong and safe staging so as to ensure safety of the laborers.

- (n) The Contractor shall provide sufficient fencing, notice Corporations and lights to protect and warn others as may be considered necessary by the GSECL and safety authority.
- (o) The GSECL may during the progress of work, order the removal of part or whole of the work executed, found not in accordance with the approved drawings, specifications/ instructions. No extra claims shall be entertained for re-executing or altering of such work.
- (p) On completion of the work, the site shall be left in good order and the excess materials, scraps, debris, if any shall be removed and dumped by the Contractor at place/places as designated by the GSECL. The Contractor shall also dismantle and remove the staging and other temporary facilities like stores, offices, labor camp etc. on completion of work.
- (q) Contractor is required to maintain proper records at site of work in addition to normal routine requirement of own office and make check that record to E.I.C. of BLTPS at regular intervals of weekly. The records to be maintained shall include but not limited to the following:
  - 1) Daily Progress Record.
  - 2) Work Site Order Book.
  - 3) Instruction by GSECL's Officers.
  - 4) Maintain the Regular gate entries of the all material at BLTPS gate as per GSECL norms.
  - 5) Test Registers of other materials/fittings, fixtures, equipment as stipulated in the tender.
  - 6) Register for Working Details.
  - 7) Log Book of Defects.
  - 8) Hindrance Register giving details of commencement and removal of each hindrance.
  - 9) Supply and consumption registers of all materials i.e cement, steel, etc. shall be maintained.
  - 10) Day to day Record of used/received materials shall be entered in the register and signed by the Site Engineer of the GSECL as well as contractors' representative at site.
  - 11) Cube register shall be maintain if applicable.
  - 12) Measurement Book.

**77. CARTEL:**

If, the Company during the procurement process, observes or suspects any activity on the part of bidders or obtains any knowledge which indicates the existence of cartel formation amongst the bidders or apprehends the possibilities of cartel as defined under The Competition Act, 2002, the Board of the Company being a government Company involved in public procurement work, reserve all rights to allot quantities to such bidders, who are not part of the cartel, in any manner deemed fit in the interest of the Company without assigning any reason thereof. Besides the above, the purchaser Company, may initiate actions under the Competition Act/ other laws and / or the bidder(s)/ firm(s) will be black listed / stop deal, at its sole discretion.

**78. CONFLICT OF INTEREST AMONG BIDDERS / AGENTS:**

A bidder shall not have conflict of interest with other bidders for particular quoted item. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The

bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process for particular quoted item, if:

- (a) they have proprietor/ partner(s)/ Director(s) in common; or
- (b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or
- (c) they have the same legal representative/ agent for purposes of this bid; or
- (d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder; or
- (e) Bidder participates in more than one bid in this bidding process. Participation by a bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ assemblies from one bidding manufacturer in more than one bid.
- (f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/ dealer. There can be only one bid from the following: 1. the principal manufacturer directly or through one Indian agent on his behalf; and 2. Indian/ foreign agent on behalf of only one principal.
- (g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid;
- (h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/ management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business.
- (i) Bidder shall not act in contravention/ violation to the provisions of competition act, as amended from time to time. Every bidder should, at the time of submission of bid, give a declaration as per ANNEXURE, that bidder shall not have conflict of interest/related with other bidders for particular quoted item, as above.

## **79. Dispute Resolution Mechanism**

### **1. Amicable Settlement**

Any dispute, difference, controversy or claim between the Parties arising out of or relating to this contract with reference to the construction, interpretation, breach, termination or validity thereof (hereinafter referred as “the Dispute”) shall, upon the written request of either Party be referred to the authorized representatives of the Disputing Parties for resolution. The authorized representatives shall promptly meet and attempt to negotiate in good faith a resolution of the Dispute within thirty days of the service of the request.

### **2. Arbitration**

If the Parties fail to amicably resolve the disputes or differences or contrary claims as indicated herewith in sub clause (1) of Clause, arising under or in connection with the present works contracts, whether pertaining to works contracts alone or works and procurement both, the same shall be referred to arbitration under the Gujarat Public Works Contracts Disputes Arbitration Tribunal Act, 1992

**SIGNATURE OF CONTRACTOR  
ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD  
BLTPS, Padva.**


	<b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b> <b>Bhavnagar Lignite Thermal Power Station</b> <b>At &amp; PO: Padva, Ta: Ghogha, Dist: Bhavnagar – 364050.</b> e-mail: <a href="mailto:cebltps.gsecl@gebmail.com">cebltps.gsecl@gebmail.com</a> , Website: <a href="http://www.gsecl.in">www.gsecl.in</a> , CIN: U40100GJ1993SGC019988	
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## SECTION-D

- ❖ SPECIAL CONDITIONS FOR USE OF CEMENT IN WORK
- ❖ APPROVED NAME OF MANUFACTURERS OF STEEL / CEMENT
- ❖ SPECIAL CONDITIONS OF THE WORK
- ❖ GENERAL GUIDELINES RELEVANT TO I.S.

## **SPECIAL CONDITIONS FOR USE OF CEMENT IN WORK**

<b>1</b>	The rates in Schedule – ‘B’ is inclusive of cement cost. Contractor has to purchase fresh 53 grade cement confirming to as per IS 8112 Or PPC IS 1489 (Part-I) or as per tender condition.
<b>2</b>	Contractor has to construct pucca Go down at site of work so that cement bags can be properly preserved to avoid damage due to any kind of water/Humidity.
<b>3</b>	Contractor has to bring sufficient quantities of cement bags to maintain progress of work. The work should not suffer for want of cement.
<b>4</b>	Cement should be used to achieve required strength in cement concrete or as per item proportion.
<b>5</b>	To bring sufficient & timely cement at site is full responsibility of contractor. Nothing extra will be paid on account of any reason to maintain progress of work and to complete the work in schedule time.
<b>6</b>	Contractor has to submit material A/c. For consumption of cement used with every bills. In case of not submitting the same, bill will not be passed. Party has to submit the copy of cement purchased bill and Challan/invoice along with each RA Bill/Final Bill.
<b>7</b>	No negative variation will be allowed for consumption in cement less then prescribed as per R & B SoR <b>OR</b> Corporation/mix design and nothing will be paid extra for over consumption.
<b>8</b>	Contractor is fully responsible for safety of cement at site; nothing will be paid extra on account of safety.
<b>9</b>	If Corporation’s authorized representative wants to check cement stock at site, contractor has to allow for the same at any time.
<b>10</b>	Contractor has to maintain day to day cement consumption / balance account at site.
<b>11</b>	As far as possible, contractor has to maintain supply of cement of only one brand & grade throughout the work and on account of closer/shortage of approved brand, cement of other brand in accordance of condition No. (1) Will be allowed by Engineer – in – Charge.
<b>12</b>	Minimum cement consumption considered for cement concrete having grade of M–15 / M – 20 / M – 25 / is 320 Kgs. / 375 Kgs / 400 Kgs. respectively. Contractor has to use minimum cement as above. Contractor should not use less than the prescribed quantities of cement even in the case of mix design recommends lower quality. For other items cement consumption shall be as per provisions of SoR without any negative variation. Nothing will be paid extra for over consumption.
<b>13</b>	Contractor will be allowed to carry out work only after physical verification of cement brought at site.
<b>14</b>	Full cement bags brought by contractor shall be entered at IN MAINGATE of BLTPS.

	<b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b> <b>Bhavnagar Lignite Thermal Power Station</b> <b>At &amp; PO: Padva, Ta: Ghogha, Dist: Bhavnagar - 364050.</b> e-mail: <a href="mailto:cebltps.gsecl@gebmil.com">cebltps.gsecl@gebmil.com</a> , Website: <a href="http://www.gsecl.in">www.gsecl.in</a> , CIN: U40100GJ1993SGC019988	
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Sr. No	Name of approved Vendor List of Company & their Brand Name in Market	
	<b>Cement</b>	
1	A.C.C. Cement	A.C.C.
2	Ambuja Cement	Ambuja
3	Ultratech Cement (L&T)	Ultra-tech
4	Birla Cement	Birla A-1
5	J.K. Cement	J.K.
6	J.K. Laxmi Cement	J.K. Laxmi
7	India Cement	Corromandal King
8	Sanghi Cement	Sanghi
9	Shree Digvijay Cement (SDCC)	KAMAL
10	Wonder Cement Ltd., Rajasthan	Wonder, Wonder Xtreme, Wonder Plus
11	HI-BOND Cement	HI-BOND
12	Shree Cement Limited	Shree/Bangur/Rock
13	Midland Concrete Pvt. Ltd., Rajkot	Strong/Roofon/Bangur Power
		SOLID
	<b>Construction Chemicals</b>	
1	RedWop Chemicals	Rajkot
2	Samrock Chemicals	Ahmedabad
3	MAPEI Construction Products India Pvt	Vadodara
4	Krishna Conchem Products Pvt Ltd.,	Navi Mumbai
5	Ultra Tech Cement Limited, Mumbai, (Building Product Division).	Wada
6	Asian Paints Ltd. (Construction Chemicals Division)	Ankleshwar
7	Prashita Associates L.L.P., Por, Vadodara	FAIR MATE
	<b>Water Proofing &amp; Wrapping Coating</b>	
1	Bitumag Industries	Vadodara
2	A.R. Industries	Vadodara
3	Tiki Tar Danosa (India) Pvt. Ltd.	Halol
4	STP Ltd.,	Ankleshwar
	<b>Flooring Tiles</b>	
1	Asian Granito	Sabarkantha
2	Somany	Kaloal
3	Simpolo	Morbi
4	Varmora	Morbi
5	Sunheart	Morbi
6	Emcer	Morbi
7	Casagres	Morbi
	<b>Pipes and fittings</b>	
1	Astral Limited, Ahmedabad	ASTRAL
	<b>TMT Bars</b>	
1	Tata Iron & Steel Co. Ltd	TATA
2	Jindal	JINDAL
3	Lloyds	Lloyds
4	Essar Steel Ltd.	Essar
5	Steel Authority of India.	SAIL



	<b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b> <b>Bhavnagar Lignite Thermal Power Station</b> <b>At &amp; PO: Padva, Ta: Ghogha, Dist: Bhavnagar - 364050.</b> e-mail: <a href="mailto:cebhttps.gsecl@gebmil.com">cebhttps.gsecl@gebmil.com</a> , Website: <a href="http://www.gsecl.in">www.gsecl.in</a> , CIN: U40100GJ1993SGC019988	
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6	Parmeshwar Steel Pvt ltd.	God TMT
7	Gallant Ispat Ltd.	Gallant TMX
8	Aditya Ultra Steel Pvt. Ltd.	KAMDHENU NXT & Kay 2 TMT
9	Mono steel India Ltd.	MONO TMT
10	Aashiana Rolling Mills Ltd.	Friends Steel
11	Electro Therm (I) Ltd.	ET TMT
12	H.K. Ispat .Pvt. Ltd.	Kothi
13	SRJ Peety steel Pvt. Ltd.	SHREE OM TMT/SRJ TMT/KAPILA PURE STEEL
14	Nilkanth Concast Private Limited	Nilkanth
15	Shreeyam Power & Steel Industries Limited	National
16	Utkarsh Bars Private Limited	Utkarsh
17	Bhagyalaxmi Rolling Mill Pvt. Ltd	POLAAD QST/TMT
18	Shri Khatu Shyam Alloys Pvt. Ltd.,	Khatu TMT
19	Steefo Steels LLP, Ahmedabad	STEEFO TMT
20	Haq Steel & Metaliks Ltd.,Kutch	GERMAN TMX
21	K.B. Ispat Private Ltd., Bhavnagar	KB TMT
22	VMS TMT Private Ltd., Ahmedabad	KAMDHENU NXT & Kay 2 TMT
23	Briskon Multimetals LLP,	Briskon TMT
24	Kalika Steel Alloys Pvt. Ltd., Jalna	KALIKA 500 TMT
25	Anjar TMT Steel Pvt.Ltd.,Anjar	Welspun Shield
26	Shri Bajrang Power & Ispat Ltd.	Goel TMT & Pipes
27	Rajuri Steels &TMT Bars Pvt. Ltd.	Rajuri Steel
28	SMW Steel	Sangam
29	Rathi Steel & Metal Pvt. Ltd.	Icon Steel
30	Metarolls Ispat Pvt. Ltd.	Metarolls TMT
31	Sai Bandhan Infinium Pvt. Ltd.,	BANDHAN TMX
32	Gajkesari Steels & Alloys Pvt. Ltd	GAJKESARI TMX
33	Rudra Global Infra Product Ltd.,	RUDRA TMX
34	Varrsana Ispat Ltd.,Gandhidham	VARRSANA TMT
35	N.N. Ispat Pvt. Ltd., West Bengal	ULTRAMAX TMT
36	Jay Bharat Steel Corporation, Kutch	JAY BHARAT TMX & KUTCH TMX
37	Jaideep Ispat & Alloys Pvt Ltd, Indore	MOIRA CRS &TMT
38	R S VIRLA Pvt Ltd, Rajkot	R S VIRLA TMT & R STMT
39	Bindra Steel Pvt. Ltd, Jalna	ROOPAM TMT
40	Rashmi Metaliks Ltd, Kolkata, W.B.	RASHMI TMT
41	Vinayak TMT Bars Pvt.Ltd.,Gandhinagar	VINAYAK TMT

**Remark:-**

In addition to the above Approved Vendor List of GSECL, the approved vendor list of GUVNL and its subsidiary company i.e. GSECL/GETCO/MGVCL /PGVCL/DGVCL & UGVCL which are available on their website- in tender head including above mention various manufacturers are also to be treated as Approved Vendors.



## **SPECIAL CONDITIONS OF THE WORK**

01. The work is to be executed at any height for any leads and lifts with all tools, tackles, equipment's, brooms, brushes, buckets, ladder, cloths, sanitary acid, sticks, powder, cleaning material, phenyl, soap solution etc. Dusters for cleaning purpose shall have to be brought by the contractor at his own cost.
02. If any areas are left out in descriptions, it shall be cleaned as per instructions of the EIC and it will be paid in respective items.
03. Any modification in timing of period of cleaning shall be agreed upon by the contractor without any extra cost.
04. Readily available stock of cleaning materials, equipment's, and solution for one month shall be kept on site store well in advance, shall be shown to GSECL supervisory staff, and shall be drawn from GSECL store. If contractor fails to credit the one month stock of require cleaning materials to credit the 1 month stock of require cleaning materials in the time the GSECL will purchase the same from the Market at risk and cost of contractor and necessary recovery will be imposed with 15% supervision charges from the bills.
05. The workers, supervisory staff, engineer and manager or contractors authorized representative of contractor himself shall be available full time on site of work.
06. The daily report of work done on each day and same checked and signed by GSECL supervisor JE / DE shall be submitted by contractor in prescribed printed forms shall be brought by the contractor at his own cost for such reports. The contractor shall submit the daily report regularly.
07. Contractor shall be responsible for any accident or damage to road, gutter, manholes, dustbins, water closets, pipe line, etc. or any inconveniency caused by contractor for which the necessary compensation shall be paid by the contract or recovered from the bill as deem fit by the GSECL.
08. This contract shall be continued till the new agency is fixed without any extra rate or increase in rates and the time limit of the work shall be considered accordingly.
09. It is the responsibility of the contractor to get the work done satisfactorily by engaging the full strength of manpower as per the work requirement failing to that the reduced rates shall be paid and necessary action shall be taken as per GSECL rules.
10. The contractor or his authorized representative and his supervisor shall remain present during working hours.
11. Any description is left out in specification the work shall be executed as per the instruction of EIC.
12. If the work is not completed in time satisfactorily, the recovery for the same shall be made as per mentioned in tender specification.
13. If work is not carried out by contractor, same will be get done at risk and cost of contractor with 15% supervision charges will be recovered from the next R.A. Bill.
14. If any dispute arise the booklet of "TENDER AND CONTRACT FOR WORKS" may be referred and it will be treated as part of the contract.
15. Contractor has to carry out the work as per quantity allotted to him every month. If he fails to carry out the work 100% then the recovery will be made at 10% of the left out quantities at A/T rate, at the discretion of E.E.(C)
16. Contractor should keep the instruction book readily available at site.
17. Successful contractor shall have to arrange required labour strength for cleaning works daily for execution of respective items of the tender.
18. Contractor shall be held fully responsible for any accident or damage to GSECL assets or persons or inconvenience is caused for the work, the necessary compensation shall be paid by the contractor or recovered from his bill. The contractor shall engage all the labours / personals at his own risk and cost and shall comply binding with all the labour laws, acts, securities, all types of insurances, regulation of compensation for accident etc. at his own risk and cost.
19. Weekly off to labours shall be given in staggered manner.

20. Labours engaged for cleaning work can be delivered at any other place for any type of work by the EIC and for that work payment shall be made and no recovery shall be made for left out cleaning work by particular labours, which are shifted elsewhere.
21. Contractor shall engaged new labours with the prior approval of GSECL.
22. Looking to the urgency of the particular work, the EIC will instruct to take up and complete that particular job / work in specified time. Otherwise for incomplete work the EIC will arrange to execute the same without giving any notice or intimation and work will be executed through any other agency and recovery will be made as per actual payment made to other agency plus 15% supervision charges and this will be recovered from R.A. Bills.
23. The contractor shall be responsible for proper behavior of his labours / persons. Also he should instruct his person / labours to work as per the instruction of EIC.
24. For execution of the work as per schedule – B, if additional labours over and above the labours deputed on regular basis than have to be arranged by the contractor with required tools and tackles as per instruction of EIC.
25. If contractor fails in arranging sufficient labours as per instructions, it will be get done through other agency at contractor's risk and cost and recovery shall be effected as per prevailing labour rates fixed by Govt.
26. The GSECL shall not supply any material for this work and Schedule – A is to be treated as 'NIL'.
27. Quantities shown in the Tender are approximate. No claim shall be entertained for quantities of work executed being more or less than those entered in the Schedule –B of the Tender.
28. The GSECL reserves the right to terminate this contract at any time, without assigning any reason whatsoever by giving a notice period of one month from the date of notice of termination of the contract. Contractor will not be entitled for any compensation / damages / losses. Whatsoever, on account of such termination of the contract.
29. Actual payment made to the workers engaged under the running contract as per agencies record endorsed by GSECL welfare office (i.e. work wise actual labour payment in presence of LWO/IRO or bank through payment. It should be verified with Biometric presence of all workers, supervisor and should be certified by LWO/IRO. At plant gate and at Colony gate, biometric punching system is adopted by GSECL. Agency has to ensure that their labours shall punch while entry and exit from the premises.

**(Signature of Contractor)**  
**Address & Seal:**

**Station Head - A.C.E. (Gen.)**  
**GSECL, BLTPS.**

	<b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b> <b>Bhavnagar Lignite Thermal Power Station</b> <b>At &amp; PO: Padva, Ta: Ghogha, Dist: Bhavnagar – 364050.</b> e-mail: <a href="mailto:cebltps.gsecl@gebmail.com">cebltps.gsecl@gebmail.com</a> , Website: <a href="http://www.gsecl.in">www.gsecl.in</a> , CIN: U40100GJ1993SGC019988	
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## GENERAL GUIDELINES RELEVANT TO IS

Please refer latest edition of relevant Indian Standard Specification of Code i.e. B.I.S. General relevant I.S. of B.I.S. and MoRTH Specifications for road and bridge work shall prevail for all items including materials, measurements etc.

The Item wise detailed specifications are intended for full description of items covered by Schedule “B”. The specifications are not however intended to cover every detail and the works shall be executed according to the spirit of the specifications below and the best prevailing P.W.D. practice. The clarification to any clause in detailed specifications shall be sought from the latest edition of relevant I.S. specification and codes. Where these specifications are at variance with the specification laid down in the I.S. Books stated above, the former will be applicable. As regarded matters not covered by any of the above specification, the decision of the Engineer-in-charge shall be treated as final and shall be binding upon the contractor. The contractor is expected to get clarified any doubt about specification, etc. before tendering by discussing with Engineer-in-charge.

For detail technical specification, the item wise description along with above general specifications shall hold good.

(Signature of Contractor)  
Address & Seal:

Station Head - A.C.E. (Gen.)  
GSECL, BLTPS.

	<b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b> <b>Bhavnagar Lignite Thermal Power Station</b> <b>At &amp; PO: Padva, Ta: Ghogha, Dist: Bhavnagar – 364050.</b> e-mail: <a href="mailto:cebltps.gsecl@gebmail.com">cebltps.gsecl@gebmail.com</a> , Website: <a href="http://www.gsecl.in">www.gsecl.in</a> , CIN: U40100GJ1993SGC019988	
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## SECTION-E

- ❖ **TERMS AND CONTRACT FOR WORKS**
- ❖ **GENERAL SAFETY RULES & LIST OF SAFETY TOOLS**
- ❖ **TERMS AND CONDITIONS REGARDING LABOUR LAWS**



## TERMS & CONTRACT FOR WORKS

I/We hereby tender for the Gujarat State Electricity Corporation Ltd. (herein Referred as “Corporation”) of the work specified in the underwritten memorandum within the time specified in Schedule B (memorandum showing items of work to be carried out) and in accordance, in all respect, with the specifications, design, drawings and instructions in writing and as per annexed conditions of contract and agree that when the materials for works are provided by the Corporation, such materials and rates to be paid for them shall be as provided in Schedule A here to.

### MEMORANDUM

- |  |  |
|--|--|
| (a) General description of work  | : PU Grouting work at various locations in plant premises at BLTPS, Padva. |
| (b) Earnest money deposit  | : ₹ 13,500.00  |
| (c) Security deposit   | : As per mentioned below table   |
| (d) Time allowed for the completion of work from date of written order to commence | : 06 (Six) calendar Months   |

Category of the Unit	Security Deposit	
	Purchase up to Rs. 5 Lakh	Purchase of more than Rs. 5 Lakh
Enterprises or Organizations which are exempted from paying Tender Fees & EMD as per GoG Procurement Policy*	Exempted	3% of order value
For all other enterprises	5% of order value	5% of order value

Should this tender be accepted, I/We hereby agree to abide by and fulfill all the terms and provision of the conditions of contract annexed hereto as applicable and in default thereof forfeit and pay to the Corporation, the sums of money mentioned in the said conditions.

Receipt No. \_\_\_\_\_ Date from the Gujarat State Electricity Corporation Ltd. in respect of the sum of Rs. \_\_\_\_\_ (The amount to be specified in figures and words) is herewith forwarded representing the earnest money (the full value of which is to be absolutely forfeited to the Corporation, should I/We not deposit the full amount of security deposit specified in above memorandum in accordance with clause (d). Security Deposit of the said conditions/otherwise the said sum of Rs. .... shall be refunded on surrendering the original receipt, in case of non-awardance of contract.

**Signature of the Contractor:**

**Address of the Contractor:**

**Dated** \_\_\_\_\_ **day of** \_\_\_\_\_ **year**

**Signature of Witness:**

**Address of the Witness:**

**Occupation:**

**Dated** \_\_\_\_\_ **day of** \_\_\_\_\_ **year**

**The above tender is hereby accepted by me on behalf of the Gujarat State Electricity Corporation Ltd.**

**A.C.E. (Gen.) - STATION HEAD**  
**BLTPS, Padva**

## GENERAL SAFETY RULES & LIST OF SAFETY TOOLS

### “GENERAL SAFETY RULES / NORMS” TO BE OBSERVED BY THE CONTRACTORS

All the contractors working in **Gujarat State Electricity Corporation Limited Factory like Coal/Lignite/Gas/Hydro/Pumping Station** shall have to strictly observe the following Safety Rules. Concern principle contractors are responsible for informing & observance of these rules by their supervisors/contract workers as well as the owner/supervisors/ workers of sub-Contractors engaged, if any, by them for the work contract awarded to them. Prior to commencement of the work, Contractor shall have to submit a written assurance on their letterhead to the concerned Sectional Head / Engineer-in-charge that they have thoroughly gone through these Rules, have educated their employees / workers of their sub-contractor and will strictly observe the said Rules while execution of work under work contract awarded to them. They will have to indemnify the company for any loss or damage / accident / injury to the company's property / employee or employee of their own in default of non - observing these rules.

(01) Contractor should issue photo gate pass for their workers from GSECL Factory Manager as per Gujarat Factories rules, 1963 & details shall be filled up in GSECL gate pass format as per Aadhar card /Election card id proof & to follow the gate pass issue procedure through concern department EE & SE, Security Officer, LWO/IRO/DGM, Factory Medical Officer, Safety Officer/Dy. Safety Officer & Factory Manager.

(02) In case of emergency, temporary photo gate pass shall be issued by Security Officer only for three days with prior permission of Factory Manager only. More than three days, Permanent photo gate pass procedure shall be completed by contract agency for their contract workers.

(03) Certificate of Fitness of employment in hazardous process & operations in form no.33 of Gujarat Factories rules, 1963 shall be issued by GSECL Factory Medical Officer for all contractor workers before commencement of work & examination responsibility shall be taken by contractor as well as concerned Head of Department .Pre-employment & Periodical medical examination of contractor workers shall be carried out in form no.32 from GSECL Factory Medical Officer after every six (06) months of contractor with their contractor workers. Contractor shall be fulfilled all health requirements before commencement of work. After completion of medical examination in form no.32/33, GSECL Factory Medical Officer shall be signed in contract worker gate pass procedure format.

(04) Contract worker gate pass will issue after completion of safety induction 3D animation movie & Training record is to be maintained in IMS/OHSAS training format by TK Office/LWO.

(05) As per Gate pass format of GSECL, Safety Officer/Dy. Safety Officer shall be checked the issue PPE to contract workers as per nature of job, Form no.10 of lifting tools and tackles, Driving license, Electrical contractor license, Electrical trade qualifications, Safety induction training, SOP, supervisor qualifications etc. After fulfillment of all Safety compliances, Safety Officer/Dy. Safety Officer shall be signed in Contract worker Gate pass procedure format.

(06) Work Contract shall be completed by principle contractor/agency/person who is awarded the work order. Subletting of contract shall be allowed only if prior approval of Power station chief before execution of work. Contractor/agency shall be submitted the entire subletting contract documents with gate pass application through concern department EE & SE, LWO/DGM, Safety Officer/Dy. Safety Officer & Factory Manager.

(07) **Under The Conditions Framed under Rule-45 of the Indian Electricity Rules, 1956, Valid** Electrical contractor License shall be submitted to concern electrical department EE/SE/Electrical Safety Officer/ Safety Officer/Factory Manager at the time of apply gate pass by agency/party with latest renewal from Chief Electrical Inspector, **Gandhinagar-** Gujarat. Electrical License photocopy shall be checked by Concerned HOD of Electrical Department/Electrical Safety Officer/Dy. Safety Officer/ Safety Officer/Factory Manager.

(08) As per nature of job/work, qualified supervisor (Diploma (Electrical/ Mechanical/Civil/C&I) + 3 years experiences or ITI + 10 years) shall be engaged by contract agency & qualification certificate with experience certificate shall be submitted to concern EE/SE/LWO/IRO/DGM/ Dy. Safety Officer /Safety Officer/Factory Manager at the time of apply gate pass.

(09) As per rule 3 of CEA regulation ,2010: **Designating person(s) to operate and carry out the work on electrical lines and Apparatus**, Contract person/worker possesses a certificate of competency or electrical work permit, issued by the Appropriate Government. That means, Electrical trade Qualification of contract worker/person like ITI-wireman/ Electrician, Diploma (Elect), BE/B. TECH (Elect), ME/ M. TECH (Elect) shall be submitted to concern EE/SE/LWO/IRO/DGM, Dy. Safety Officer/ Safety Officer/Factory Manager at the time of apply for photo gate pass procedure.

(10) As per nature of job/work & during capital overhauling work /Annual overhauling work /24X7 round the clock work/major shut down work, Qualified Safety Officer/Manager/Supervisor (BE/Diploma (Elect/Mech/Civil) + PDIS-Post Diploma in Industrial Safety) shall be engaged by contractor during dangerous operations/dangerous works as well as day to day dangerous activities, safety supervision, tool box talk, Safety awareness programme, SOP preparation with hazards & its control measures with each step , checking of lifting tools & tackles, hydra mobile crane, Safety precautions, coordination with Safety Department etc.

(11) License of driver shall be submitted with gate pass issue application as per nature of vehicles & to follow the Motor vehicle Act,1988,the Central Motor Vehicles (Amendment) Rules,2016 as well as Gujarat Motor Vehicles rules,1989 & driver license shall be checked every day by security shift in charge before entry in the Factory premises.

(12) SOP with JSA (Job Safety Analysis) shall be prepared by contractor through competent person as per GFR, 1963 or Qualified Safety Officer as per GFR, 1963 with 05 years experiences. SOP will review & approve by concern JE/DE/EE/SE/Elect. Safety Officer/Dy. Safety Officer /Safety Officer/Factory Manager before execution of work.

(13) It is compulsory to use standard make Personal Protective Equipments (P.P.Es.) as per the job requirement. Do not work without use of required P.P.Es. Contractor is responsible to provide standard make (ISI/DGMS/CE/EN/ANSI approved) & to checked standard/make in PPE issue format by concern JE/DE/EE/SE/Safety Officer/Factory Manager. Personal Protective Equipments / Safety Gadgets suitable to give sufficient protection against hazards involved in their work / job to their staff, as per the job requirement and insist / enforce their workers to put on the same while at works.

The ongoing work is liable to be stopped at any time if your contract workers/staffs found working without P.P.Es. Following is the list of various P.P.Es (as per ISI/DGMS/CE/ EN/ ANSI approved only) to be used for various works / worksites.

In any work, Contractor shall be issued the minimum 05 nos. of PPEs like Safety Shoes, Safety Helmet, Safety goggles, Mask & Reusable Ear plug to their workers/supervisor compulsory & it will check by concern section HOD & Dy. Safety Officer /Safety Officer at the time of gate pass procedure.

<b>List of safety equipments</b>	
Industrial Safety Helmet	For protection of head against falling objects or during fall of person from height. <b>Yellow Colour helmet is used for contract worker with agency logo.</b>
Safety Goggles/welding goggles/chemical splash goggles	For protection of eyes against flying particles / dust, chemical splash, welding spark, arc, flashover etc.
Full Face shield	For protection of face against flying particles / dust, chemical splash, spark, arc, flashover etc.
Reusable Earplug / Ear muffs.	For ear / hearing system protection while working in high noise level area.
Chemical suit/Gas tight suit /Fire proximity suit/FR Boiler Suit	For body protection against chemicals, oils, sharp edged objects, heat, hot objects etc.
Safety Hand Gloves	For protection of hands against chemicals, oils, sharp edged objects, heat, hot metals/objects, electricity etc.
Safety shoes/ Gum Boots with Oil/Chemical/water/heat/ Electrical resistance etc.	For protection of leg/feet against falling objects, sharp edged objects, heat, hot metals/objects, electricity etc..
Safety Belt(full body hardness with double lanyard & shock absorber) / Rope / Life line / Fall arrestor etc.	For fall prevention while working at heights or in depth, working in vessel or in confined space.
Dust Mask/Respirator with valve(FFP2)	Protection of respiratory system against dust.



Chemical Cartridge Respirator with full face mask type A2B2E2K2	Protection against toxic chemical fumes / gases/vapours/dust etc.
Trolley mounted Air line respirators with full face mask	Working in oxygen deficient zone or confine space area
Portable Single gas detector like Chlorine, Ammonia, Hydrogen, etc	Working in hazardous storage/process area
Portable Multi gas Detector ( LEL,O <sub>2</sub> ,CO,H <sub>2</sub> S,SO <sub>2</sub> , etc)	Working in oxygen deficient zone & use in entry of confine space & Major fire
Automatic voltage detector	To check the present voltage or induction voltage of electrical equipments/ bus/switch gears from 01 (one) feet distance before starting the any electrical work.
Auto darkening welding helmet (EN 379 & EN 175 Level-B) with PAPR as per EN 12941:1998, class TH2 and AS/NZS 1716	The new auto darkening welding helmet combines legendary Speed glass quality and auto darkening technology with an innovative wide-view grinding visor to give welders an all-in-one solution for more flexibility, precision, and efficiency. Respiratory System is a combined face and breathing protection device, for increased comfort and safety in welding. The unit is equipped with a particle filter which removes particles from the air. The unit provides a constant airflow independent of filter combinations and clogging. The unit can also be equipped with a gas filter (for example A1B1E1). The unit supplies air to the head top via the connecting breathing tube. The airflow creates a slight positive pressure which together with the sealing to the face prevents particles and other contaminants from entering the head top.

(14) All PPEs (as per ISI/DGMS/CE/EN/ANSI approved only) Should issue by party/agency/contractor to their contractor workers as per nature of job and allotment of PPE list shall be submitted to Safety Officer, **BLTPS** on his letter head as per below mentioned format by Contractor before commencement of work through concerned JE,DE,EE/SE .

Sub: Issue of PEE to Contractor workers

Sub of work Order:

Work order no.

Name of Agency:

Date of Commencement:

Time limit for work order:

Sr. no.	Name of workers	Designation	Name of Section under work execution	Name of PPE	IS :Code no. of PPE	Make of PPE	Qty	Unit	Date of issue	Receiving signature
A	B	C	D	E	F	G	H	I	J	K
01				Safety Helmet				Nos.		
				Safety goggles				Nos.		
				Reusable Ear Plug				Pair		
				Dust Mask				Nos.		
				Safety Shoes				Pair		

(15) Shift Security Inspector/Security Officer shall be checked Safety Shoes & Safety Helmet of all contractor workers at entry gate of Factory Premises & shall entered contractor workers with Safety Shoes & Safety Helmet with photo ID Gate Pass.

(16) Shift Security Inspector/Security Officer shall be checked validity of Gate pass of all contractor workers on daily basis.

(17) During the work execution, one trained & competent supervisor of agency should always remain present at work site. Concern JE/DE of GSECL shall be supervised the contract work as per SOP.

(18) Approved NABL laboratory calibration certificates of electrical/mechanical/Civil/C&I/Environment survey/Chemical etc measuring /testing equipments/instruments which are used during contract work shall be submitted before starting the work & shall be checked by concern JE/DE/EE before starting work & it's record shall be maintained in concern section.

(19) The contractor shall take all the required safety measures prior to commencement of work on dangerous substances, machineries or area at which cautionary notice is displayed and obtain "Line Clear" or "Work Permit" through the concern Department / Section JE/DE and shall be informed to concern section JE/DE for closed/ returned after completion of work.

(20) Safety talk/Safety work instructions shall be given to contractor workers by concern JE/DE regarding hazards of specific work, risk & its control measure (mentioned in HIRA) before starting the job work and records shall be maintained for each & every job works.

(21) Display Safety instructions shall be strictly followed by all workers who are working in factory premises.

(22) Material Safety Data Sheet (MSDS) of each chemical shall be available with Chief Chemist/Control room & work related Chemical information shall be taken by contractor & contractor workers from Concern EE/Chief Chemist before starting of chemical handling work.

(23) The contractor shall be checked & securely covered or securely fenced any opened fixed vessel, sump, tank, pit or opening in ground or in floor which, by reason of its depth, situation, construction or contents, is or may be a source of danger before starting the work each & every days or after interval/recess. Contractor supervisor shall be informed to concerned HOD regarding any unsafe conditions.

(24) Prohibition of smoking, fires, lights, spontaneous ignition substance, matches; fuses, mobile phone etc are to be strictly followed by all workers who are working in factory premises.

(25) Prior to carrying out welding, gas cutting, furnace heating or any other hot work job, remove all the inflammable material lying at or nearby worksite or cover it properly by suitable protective covering. Also, special care shall be taken before carrying out such job & see that all possible contributing factors to set fire shall be removed / vanished prior to commencement of the work. Advance intimation shall be given to concerned section / fire section to commence the work in fire prone areas. They should also keep ready all the First Aid Fire Extinguishers / equipments & fire extinguishing media / material like sand / water buckets or other appropriate equipment at such place.

(26) While carrying out work in confined space or inside vessel, obtain necessary **"Confined Space / Vessel Entry Permit"** from concerned department prior to commencement of the work.

For lighting in such areas, only 24-volt (ISI certified & with proper guard) hand lamp shall be used. For taking care of the persons working inside the confined space / vessel, a supervisor / person capable to keep continuous watch on person(s) working inside, assist them in case of emergency or arrange to get immediate outside help, shall remain present at entry point. Use full body safety belt without failed.

While working inside sewage, trench or in-depth, a person to warn outsiders / entrants / passers etc shall remain available near entry point or the entry point shall be cordoned by a barricaded tape with a cautionary notice. After completion of the works, all the lids / covers / grills / grits opened, shall be re-fixed / re-placed in the original position as it were prior to commencement of the work and leave the work place in safe condition in all respect, so as to prevent accident to fellow workers.

(27) The contractor shall see that he / his persons do not work on or block (by stacking material, spare parts, tools-tackles, equipments etc), any passages / walkways / gangways / aisles / staircases / ladders / lifts or any other approaches / roads leading to plans or its auxiliaries, on which there is traffic movements or possible traffic movements in case of emergency. Such passages are meant for safe escape in the event of emergency. If it is utmost necessary to carry out work in such area with blocking of passage, prior permission of Competent Authority or the Engineer-In-Charge shall be obtained. To demarcate / declare the area as **"UNSAFE"**, cordon it using barricading tape & display suitable caution notice or keep a person to restrict / divert the traffic on this route through other safe passage.

(28) The contractor shall see that he / his persons do not work on or block (by stacking material, spare parts, tools-tackles, equipments etc), any passages / walkways / gangways / aisles / staircases / ladders / lifts or any other approaches / roads leading to plans or its auxiliaries, on which there is traffic movements or possible traffic movements in case of emergency. Such passages are meant for safe escape in the event of emergency. If it is utmost necessary to carry out work in such area with blocking of passage, prior permission of Competent Authority or the Engineer-In-Charge shall be obtained. To demarcate / declare the area as **"UNSAFE"**, cordon

it using barricading tape & display suitable caution notice or keep a person to restrict / divert the traffic on this route through other safe passage.

(29) Prior to use power / electrically operated hand tools / equipments / machines / gadgets like welding machine, hand grinder, hand drill etc, ensure for its safe operation & use it only if it is found safe to use. Do not use defective, unsafe or improperly maintained equipments.

The electrical power supply required to run such equipments shall not be taken directly at their own but shall be obtained through concerned Electrical Maintenance Departments or their authorized persons or under their observations / guidance only. The Electrical Section shall provide temporary electrical connection up to contractor's Mains Board on which it is compulsory to install mains switch, ELCB & fuses of adequate capacity. All such equipments shall invariably be earthed adequately to prevent electrical shock, sparking, short circuit etc. Power cord to be used shall be of adequate capacity, without any joint & shall consist of earth wire also. Hence, it is necessary to use adequate capacity 3-wire power cord for single & 5-wire power cord for three phase power connections. The plugs, receptacles, pins, holders etc shall be of adequate capacity & safe to use.

All electrical & mechanical equipments / tools-tackles viz. welding machine, cutting machine, Grinder, Drill, Chain Pulley Blocks, Hook chooks etc required to be used during work execution shall be of standard make & bear ISI certification mark on it.

The consumables like welding electrodes, grinding wheels / discs etc which has specific prescribed life span shall not be used in any case if its expiry date is over.

(30) Non-Sparking Non-Magnetic electrical hand tools and tool kits shall be used by Electrical contractor for safe use in areas where hazardous, flammable, or combustible vapors, liquids, dusts, or residues may be present in Gas Based power plant and list of tools and tackles shall be submitted with technical bid. Non-Sparking Non-Magnetic electrical hand tools and tool kits shall be checked by JE/DE before commencement of Electrical work.

(31) Before using lifting machines / tackles (like C.P.Bs., Hook chooks, winch, forklift, mobile crane, EOT crane etc) & its attachments (like D-shackles, slings, U-clamps, Eye bolts or any fixtures), it shall be checked and used only if found safe to use. Also, ensure that these are tested, examined & certified in form no.10 by Competent Person as per the Factory act-1948 & Gujarat Factories Rules and its validity do not expire. Further, it shall be fixed properly and firmly prior to lifting the weight. **Valid Test certificate of all Lifting machines used by Contractor to be submitted to Dy. Safety Officer/ Safety Officer before commencement of work through concerned EE/SE.**

(32) Metal Scaffoldings to be used for working at height shall be of adequate size & capacity. Obtain the work permit when working at height. While climbing on such scaffolding or working on any structure at height, use of full body safety belt /full body harness with double lanyard & fall arrestor & Helmet is compulsory. It is also necessary to fasten chinstraps of the helmet.

(33) Contractor or their employee shall not interfere in day-to-day routine plant activities / works except the work assigned to them, shall not loiter in the areas other than their work jurisdiction, as well as shall not temper / operate / touch the machineries/equipments/auxiliaries with which they are not concerned. Also, the contractor shall strictly instruct their staff for not to sit or take rest at/near/below running plants, auxiliaries, systems or any place which is risky, hazardous & prone to accident.

(34) The cylinders containing poisonous / toxic or inflammable / explosive gas like Oxygen, Acetylene, LPG, Hydrogen, Ammonia, Chlorine, CO<sub>2</sub> etc shall be handled safely taking due care. To handle / shift such cylinders a special trolley /cage meant for it must be used but in no case it should be rolled.

(35) In Gas Based Power station/Hydrogen storage area /Hydro carbon fumes-vapour generated area, Spark arrestor (as per approved manufacturer of CCOE, Nagpur) shall be provided on each vehicle by party/agency and it will check by shift security in charge before entry of vehicles in the factory premises.

(36) No women or young person shall be employed or permitted to work in Lead-compound area like battery room etc. as per schedule VI of GFR 1963.

(37) No women or young person shall be allowed to clean, lubricate or adjust any part of a prime mover or of any transmission machinery while the prime mover or transmission machinery is in motion. Examination or operation of motion machinery shall be made or carried out only by a specially trained adult male worker wearing tight fitting clothing as per section 22 of factories act 1948.

(38) In all risky job, before start the work, contractor should obtain General Safety Work Permit through concerned section from Shift –in-charge well in advance.

(39) In case of noticing smoke or fire during their work execution, they shall make immediate efforts to extinguish / control it and simultaneously inform the Fire Station Mobile No as well as Station Fire Officer or Emergency Control room no which is displayed at prominent place of factory like Main Security Gate, All

unit control room, Canteen area, Safe Assembly points, Fire Station, All security gates, Occupational Health Centre.

(40) In case of any injury / accident while working, it shall immediately be reported to Safety Department through concerned Sectional Head / Engineer. The prescribed **Form No. 21 & ANNEXURE** may be obtained from concerned section or Dy. Safety Officer/Safety Officer.

In case of any electrical accident, it shall immediately be reported to Electrical Safety Officer through concern Sectional Head / Engineer. The prescribed **Electrical accident form no. A as per electricity act-2003 & Form No. 21 & ANNEXURE as per Gujarat Factories** rules shall be filled up by concern department JE/DE with written consent of contractor. The Form may be obtained from concerned Electrical section or Electrical Safety Officer. Electrical accident investigation shall be carried out by Electrical Safety Officer with Factory Manager.

After any reportable accident, Contract agency shall be submitted the fitness certificate of injured person with endorsement of GSECL factory Medical Officer to LWO/Dy.Safety Officer/Safety Officer/Electrical Safety Officer then after injured person may allow for work.

(41) For any incident occurred but have no injury to any persons should also reported as per GSECL format and informed to Dy. Safety Officer/Safety Officer as **Near Miss Incident**.

(42) **Safety penalty shall be imposed against Offences by contract workers:** If any contract worker worked in a factory contravenes any provision of Factories act or any rules or orders made there under, imposing any duty or liability on workers, contractor/agency shall be punishable with fine which mentioned as under.

Sr. No.	Description of penalty	Amount
(i)	Work without PPEs	Rs.300/- per person
(ii)	Work without work Safety permit like working at height, confine space entry, hot work etc.	Rs.1000/- per day
(iii)	License of driver as per type of vehicles not registered.	Rs.750/- per person
(iv)	Welding work without flashback arrestor/double gauge regulator set	Rs.1000/- per set
(v)	Operate Portable power tool without ELCB	Rs.1000/-per equipment
(vi)	Work without qualified Supervisor as per nature of job like mechanical, electrical, civil, C&I, chemical etc.	Rs.1000/-per day
(vii)	Work without SOP & JSA	Rs.2000/-per day
(viii)	Work without test report of lifting machines / tackles (like C.P.Bs., Hook chooks, winch, forklift, mobile crane, EOT crane etc) & its attachments (like D-shackles, slings, U-clamps, Eye bolts or any fixtures) in Form No.10 of Gujarat Factories Rules,1963	Rs.2000/- per equipment
(ix)	Work without Double lynyer Safety belt during working at Height work, work without anchoring in hook/line	Rs.3000/-per person
(x)	Work without 24 Volt supply in Confine space area	Rs.3000/-per person
(xi)	(a) Grinding machine used without safety guard/machine guard (b) unsafe welding machine like open body, Knob without insulation, connection without lug (c) damaged welding cables/gas pipelines (d) welding work doing without welding blanket, (e) electrical supply without 3 pin plug/Industrial Plug, (f) use of damaged electrical wire for lighting/ equipments, (g) use of lighting lamp without cage, (h) use of open halogen tube, (i) use of damaged PPEs/use of non-Standard PPEs (j) Unsafe lifting and handling of gas cylinders (k) Cylinder handling without safety cap (l) Temporary connection without ELCB, etc.	Rs.500/- per equipment / per set

During plant visit/supervision of **concern JE/DE/EE, SE**, Safety Officer/Dy.Safety Officer, Electrical Safety Officer, Factory Manager, If they will observed any safety violations as per CO circular/statutory requirements then they must impose Safety Penalty through office note directly against contract workers/ contract agency and Office Note process through proper channel to concern Sectional head and Account head for recovery purpose. Photograph/CCTV footage is to be put up with penalty note by imposing officer.

(43) Party will damage any fire equipments or property or machinery in factory during execution of work, total damage cost will be recovered from party RA bill and recovery Office note put up by concern HOD.

(44) All the relevant labour and industrial laws shall also be followed compulsorily.

(45) After completion of work, cotton waste, grease, oil, unused material, welding rod pieces, scrap etc. are to be removed by contractor and scrap shall be deposited to scrap yard of Main Store.

(46) For performance evaluation of contractor, safety factors of work accident, fire incident & near miss accident will be considered. Steps can be taken to review the job assignment up to cancellation for negligence.

(47) Over & above these, contractor shall have to follow all the safety requirements /rules & regulations / norms and legal provisions laid down in various statutes. Particularly the provisions of The Factories Act-1948 & the Gujarat State Factories Rules-1963 (Amended up to date), The Electricity Act-2003 & rules, BOCW Act/Rules shall be followed strictly. The contractor shall also obey the rules / regulations / instructions of the local Competent Authority for safety & health requirements.

The above rules shall be scrupulously followed and where required, Contractor /contractor workers may contact to the Dy. Safety Officer/Safety Officer/Electrical Safety Officer in case of any ambiguity or needs further guidance in this regard.

**SIGNATURE OF CONTRACTOR**  
**ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD**  
**BLTPS, Padva.**

## Terms and Conditions regarding Labour Laws

During the entire period of the contract, the Contractor and his Sub-Contractors shall at all times comply with all applicable labour laws, rules, regulations, notifications, and bye-laws issued by the Central Government, State Government, or Local Authorities. This includes all existing laws as well as any amendments or new notifications that may come into force during the contract period.

The Contractor and his Sub-Contractors shall, at all times abide by the following Acts/Statutes related to Human Resources:

1. Factories Act, 1948;
2. Contract Labour (Regulation & Abolition) Act, 1970;
3. EPF & MP Act, 1952;
4. Building & Other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996;
5. ESI Act, 1948;
6. Minimum Wages Act, 1948;
7. Payment of Wages Act, 1936;
8. Payment of Bonus Act, 1965;
9. Payment of Gratuity Act, 1972;
10. Workmen's Compensation Act, 1923;
11. ID Act, 1947;
12. Maternity Benefit Act, 1961;
13. Inter-State Migrant Workmen (Regulation of Employment & Conditions of Service) Act, 1979;
14. The Building And Other Construction Workers' Welfare Cess Act, 1996
17. The Carriage by Road Act, 2007.

The above list is only indicative and not exhaustive. The Contractor shall remain fully responsible for ensuring compliance with all other applicable labour and welfare legislations, rules, and regulations in force during the contract.

The following are some of the major responsibilities of the contractor, in addition to other obligations prescribed under various labour laws, rules, and regulations issued by statutory authorities such as the State Government or Government of India from time to time, which the contractor shall strictly comply with during the execution of the contract.

## **1) The Factories Act, 1948**

The contractor should not deploy worker below the age of 18 years and above 60 years for the awarded work.

Earn Leave shall be paid to their bonafide contract workers as per the provisions of the Factories Act, 1948.

Payment of Earned Leave should be made monthly together with wages for better compliance of law. The contractor shall maintain Earn Leave Register in Form No. 19 as per the provisions of the said Act and submit the same on demand.

All the written registers, Performa etc. shall be maintained up to date and kept ready for inspection at any time or submitted on-time to the concerned authorities as per applicability of the Acts by contractor.

## **2) The Contract Labour (Regulation and Abolition) Act, 1970**

The Contractor / Agency shall have to obtain the Labour License under Contract Labour (Regulation & Abolition) Act from the appropriate authorities before commencement of work. The contractor shall maintain a valid labour license under the Contract Labour (Regulation and Abolition) Act for employing necessary man power to be required by contractor.

The contractor should not be allowed to engage fifty (50) or more contract labourers without initiating to obtain the labour license under the Contract Labour Act. (the said number i.e., fifty (50) or more includes Supervisor and other staff).

## **3) Minimum Wages Act, 1948**

Contractor shall have to make the payment of wages to the Contract Labours engaged by them, on or before 7th of every month through nearest Nationalized Bank compulsory, preferably situated in the premises of TPS area in case of all works contract. The Contractor shall supply copy of Bank Statement duly stamped by the Concerned Bank as well as debited entry of amount displayed in the contractors' own bank account as token of proof towards payment of Wages through CLIM/prevaling system at relevant time. Apart from Payment of wages through Bank, Contractors shall have to make all other payments like Advances, Bonus, Leave Encashment etc. to their labours through bank only and cash payment/entry will not be allowed.

Wages rates for contract laborers are applicable as per the terms and conditions of the license. The contractor shall have to pay wages to workers as notified by the Government of Gujarat from time to time.

Any default to pay the minimum wages to the engaged workers and deprived of their right to minimum wages payment on or before 7th of each month shall be dealt as per the provision of labour laws. Recurrence of the same may lead to cancellation of awarded contract.

#### **4) The Provident Fund and Miscellaneous Provisions Act, 1952**

The contractor must possess separate P.F. code on the name of the Firm / Agency / Company itself for the subject work.

It should be ensured that all the contract labours engaged by contractor are covered under the provident fund scheme and employee's pension scheme and their contribution must be remitted regularly to the concerned RPFC. The photocopies of challan along with ECR in this regards should be submitted regularly to the User Department to enable their onward billing clearance.

The contractor shall submit along with his bill (month wise) statement regarding deductions against employees' provident fund and family pension scheme in respect of each concerned employee. Provident fund and family pension scheme at the rate of 12 % of wages (or at the rates made applicable by the Government time to time). The contractor's contribution and his workers contribution towards provident fund and family pension scheme shall deposited by the contractor with concerned PF Authorities.

#### **5) Workmen's Compensation & Employer's Liability Insurance.**

The contractors shall have to obtain Employee Compensation Policy under the Employees Compensation Act before starting the work. Employee Compensation Insurance shall be obtained for all the workers engaged for the execution of awarded contract. If any of the work is sub-letted, the contractor shall ensure that the sub-contractor take and provide workmen's compensation and Employer's liability insurance for the labours engaged. Contractor is liable to pay compensation in case of accidental injury arising out of and in the course of employment as per the said Act and shall bear medical expenses due to on duty accident.

#### **6) The Payment of Gratuity Act, 1972**

For better compliance, contractor shall pay amount of gratuity on a monthly basis along with the payment of wages, calculated on a pro-rata basis per month, which is equivalent to 15 days' wages for each completed year of service for every worker. (\* **applicable to ARC / BRC works contract only**)

#### **7) The Payment of Bonus Act, 1965**

Every worker shall be entitled to be paid by the contractor in an accounting year, bonus, in accordance with the provisions of this Act, For better compliance, the contractor should pay bonus amount on a monthly basis along with wages calculated on a pro-rata basis per month. Contractor has to submit the paid bonus details of its worker in Form No. C as per the provisions of the said Act as and when required by the Govt. Authority as well as by GSECL.

#### **8) The Maternity Benefit Act, 1961**

Contractor shall ensure that entitled female worker should provide Maternity Leave and other benefits as per the provision of the said Act.



## **9) The Building and other Construction Workers' Act, 1996**

For any construction work, fall under the definition of Section 2(1)(d), happening outside / inside the Factory premises the said act will be applicable and the contractor or its sub-contractor shall be liable to comply with the provisions framed there under.

- 10)** The contractor shall give preference to existing or local contract workers for engagement in the awarded contract and shall issue appointment orders to each and every workers individually at the time of their engagement during the period of contract and terminate the same at the end of the each contract.

**Follow the mentioned procedure at each milestone for the execution of works contract.**

## **11) On Commencement of Contractual Work**

1. Before starting the work, the contractor may contact Labour Welfare Officer / Industrial Relations Officer for all formalities related to labour law compliance before commencement of the contract and onward Labour Law compliance thereof, so that later no dispute will arise in respect of compliance of labour laws.
2. It is the responsibility of the contractor to ensure that contractor's employees maintain strict discipline as regards security, methods of safe working etc, and not to cause any hindrance to smooth running of power station or in execution of duties by GSECL staff. Any lapse in this regard will be viewed seriously and if lapse found, contract is liable to be terminated. If any of contractor's staff is found unsuitable or not behaving properly, the contractor shall have to remove such worker from the work-site on demand by EIC. To maintain harmonious industrial relations amongst contract labours is solely the responsibility of contractor. Any breach of the same will be viewed seriously.
3. A digital system developed at the request of the agencies working at the premises of GSECL, is to facilitate them for easy, efficient, effective management of data, gate passes, attendances, medical records, Police Verification documents etc related to their employees / workers deployed for various works and services against work order of GSECL.
4. On receipt of LOA and before commencement of work, authorized representatives of the agency shall login in the CLIMS online portal / prevailing system at relevant time and apply for registration of their employees / workers uploading all information with required documents in digital form. Upon completion of due verifications, clearance by EIC and HR departments, contracting agency will obtain gate passes. GSECL will only consider documents like wage sheet duly accepted and signed by individual workers, as per the engagement/deployment duration/hours of individual worker duly certified by the agency, being the employer, for the purpose of payment of bills and HR clearances.

5. Agency shall be solely responsible for maintaining accurate and up-to-date data of their workers in the portal/ prevailing system at relevant time. All statutory compliances under prevailing laws shall remain the responsibility of the contracting agency. The agency shall indemnify GSECL against any liabilities arising from non-compliance of legal provisions or inaccuracies in the data maintained by them in the digital portal of CLIMS/prevailing system at relevant time.
6. The Contractor who intends to engage labours more than the specified limit under law, then necessary - Form No. V under the Contract Labour (R& A) Act, 1970 or Form No. VI under the Interstate Migrant worker (employment regulation) Act 1979 as applicable is to be obtained for the purpose of obtaining Labour License from the Licensing Authority.
7. It shall be the duty of the Contractor or his Supervisor to ensure Bio-Metric punching and reporting at the location of work.
8. The contractor shall employ adequate number of experienced staff at site for daily supervision and for maintaining of various registers and records required under the Labour laws and contracts. No payment for such supervision shall be admissible.
9. The gate passes obtained for any specific work order will be valid for that specific work order only and contractor should not divert the man power for any other work order. If any work or part thereof is desired/required to sublet, the contractor shall obtain the necessary permission of EIC in black and white well in advance which is mandatory for considering the statutory documents of agency other than the agency who awarded work order.

## **12) During Contractual Work under the progress:**

10. All Contractors shall have to make the payment of wages to the Contract Labours engaged by them, on or before 7th of every month through Nearest Nationalized Bank compulsory, preferably situated in the premises of power station area. The Contractor shall supply copy of Bank Statement duly stamped by the Concerned Bank as a token of proof towards payment of Wages through CLIMS / prevailing system at relevant time.
11. All Contractors has to comply & maintain statutory documents / registers under the provision of labour laws & EPF Act.
12. In case the contractor having more than one contract in the same TPS, the contractor shall have to obtain work order wise separate Gate Passes and submit the same with the documents of statutory compliance that too work order wise every month to the User Department to enable their onward billing clearance.

## **(13) CONTRACTOR TO INDEMNIFY THE GSECL REGARDING LABOUR LAWS**

13. The contractor shall indemnify and keep indemnified the GSECL, and every member, officer and employees of the GSECL, also Engineer-in-charge and his staff against all actions, proceedings, claims, demands, costs and expenses whatsoever arising out of or in connection with the matter referred in above clauses and elsewhere and against all actions, claims demands, cost and expenses which may be made against the GSECL by any workman/ employees of

contractor or any sub-contractor and or from any liability any wise to any workman/employees of the contractor or sub-contractor under any laws, rules or regulation having in force of law including but not limited to claims against the owner under employee compensation Act, 1923. The Employee's Provident Fund Act.1952, and/or the contract labour (Abolition and Regulation) Act, 1970.

14. The GSECL shall not be liable for or in respect of or in consequence of any accident or injury to any workmen or other person in the employment of the contractor or his sub-contractor, and the contractor shall indemnify and keep indemnified the GSECL against all such damage and compensation and against all claims, demands proceedings costs, charges and expenses whatsoever in respect of or in relation thereto.
15. The contractor shall at his own expense / risk and cost to comply with all the labour laws as above-mentioned and keep the G.S.E.C.L. indemnified in respect thereof.
16. GSECL : shall be entitled / empowered to deduct directly from the bills, the amount to be paid to engaged bonafide contract workers or the contract workers engaged by Sub-contractor; any sum or sums payable by main contractor / sub-contractor and which sum/sums the Corporation is required to pay in capacity of Principal Employer on account of the default
17. of contractor in respect of all liabilities incurred out of non-compliance regarding any provisions of Labour Laws and same amount shall be recovered from the pending dues of the contractor with 15% administrative charges.
18. Any other rules and regulation, conditions, circulars etc., that are in force at present and that may be framed by the GSECL from time to time in connection with contracts will be binding and acceptable to contractor.
19. The above are some of the major liabilities of the contractor in addition to other liabilities prescribed under the various labour laws in force from time to time from Statutory Authorities like State Government / Government of India, which the contractor shall have to comply with.
20. The contractor shall provide the name of authorized representative, as provided to other statutory Government authorities and will be notified to Engineer In-Charge time to time.

#### **14) Submission of Statutory documents to ensure the compliances:**

21. The contractor shall upload statutory documents, work order-wise, under Labour Laws and EPF in CLIMS / prevailing system at relevant time.
22. Required documents shall be uploaded by the contractor in existing portal /prevailing system at relevant time invariably each month to Engineer In-Charge for onward process and smooth clearance by HR Department.

**List of documents required for gate passes of contract workers through clims /prevailing system**

<b>Sr. No.</b>	<b>Description of documents attached</b>
1	Copy of Work Order
2	Copy of P. F. Code No.
3	Insurance Policy as per subject of work order under the Workmen Compensation Act,1923
4	Contract agreements/ subletting work contract documents with approval copy
5	Copy of Id proof of Aadhar card or Election voting card or driving license or Passport only
6	Copy of Police Verification in respect of each contract workers

- 15.** The contractor whose work order value is above Rs. 5 lacs shall have to submit “Declaration cum Indemnity Bond” on Rs. 300/- Non-Judicial stamp paper in prescribed Performa (Annexure- “B”) with Agreement and Indemnity Bond before the commencement of the contract.

**SIGNATURE OF CONTRACTOR**  
**ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD**  
**BLTPS, Padva.**

## SECTION-F

- ❖ **PERFORMA FOR BANK GUARANTEE**
- ❖ **INTEGRITY PACT**
- ❖ **ANNEXURE - I (DETAILS OF BANK FOR BG)**
- ❖ **UNDERTAKING FOR LABOUR LAW COMPLIANCES**
- ❖ **CERTIFICATE – A (FORM-1)**
- ❖ **DEVIATION FROM BIDDER (IF ANY) (FORM-2)**
- ❖ **UNDERTAKING IN REGARD TO STOP DEAL/BLACK LIST  
THEREOF (FORM-3)**
- ❖ **UNDERTAKING TO BE SUBMITTED ON LETTERHEAD (FORM-4)**
- ❖ **CIRCULAR – I**
- ❖ **DECLARATION CUM INDEMNITY BOND**

**ON STAMP PAPER OF RS. 300/-**  
**FORM OF BANKER'S UNDERTAKING**  
**(For Performance Guarantee (PBG) towards execution / Supply period**  
**as per Commercial Terms and Conditions of Tender)**

We, \_\_\_\_\_ (Name of the Bank and Address of the Branch giving the Bank Guarantee) having our registered office at \_\_\_\_\_ (Address of Bank's registered office) hereby give this Bank Guarantee No \_\_\_\_\_ dated \_\_\_\_\_ and hereby agree unequivocally and unconditionally to pay immediately on demand in writing from the beneficiary Company \_\_\_\_\_ (Name of Gujarat Urja Vikas Nigam Ltd. / subsidiary Company) or any Officer authorized by it in this behalf any amount up to and not exceeding Rs. \_\_\_\_\_ (Amount of Performance Guarantee towards execution /Supply period), (Rupees \_\_\_\_\_ (in words)) to the said \_\_\_\_\_ (GUVNL / subsidiary Company) On behalf of M/s. \_\_\_\_\_ who have entered into a contract for the supply/works specified below:

**L.O.I. No.** \_\_\_\_\_ **dated.** \_\_\_\_\_.

This agreement shall be valid and binding on this Bank up to and inclusive of \_\_\_\_\_ (Date of validity of the Bank Guarantee) and shall not be terminable by notice or by change in the constitution of the Bank or the firm of Contractors / Suppliers or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alterations made, given conceded or agreed, with or without our knowledge or consent, by or between parties to the said within written contract.

Notwithstanding anything contrary contained in any law for the time being in force or banking practice, this Guarantee shall not be assignable, transferable by the beneficiary (i.e. GUVNL or Subsidiaries). Notice or invocation by any person such as assignee, transferee or agent of beneficiary shall not be entertained by the Bank. Any invocation of the Guarantee can be made only by the beneficiary directly.

NOTWITHSTANDING anything contained herein before, our liability under this guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only). Our guarantee shall remain in force until \_\_\_\_\_ (Date of validity of the Bank Guarantee). Unless demands or claims under this Bank Guarantee are made to us in writing on or before \_\_\_\_\_ (Date of Validity of the Bank Guarantee), all rights of Beneficiary under this Bank Guarantee shall be forfeited and we shall be released and discharged from all liabilities there under.

Place:

Date:

Please Mention here Complete Postal Address of the Bank with Branch Code, Telephone and Fax Nos.	Signature of the Bank's Authorized Signatory With Official Round Seal.
--	--

**E. M. D. BANK GUARANTEE FORMAT.**

**FOR TENDER NO.:**

**APPENDIX – I.**

***(BANK GUARANTEE ON NON-JUDICIAL STAMP PAPER OF Rs.300/-)***

**WHEREAS M/S.** \_\_\_\_\_ (name & address of the Firm) having their registered office at \_\_\_\_\_ (address of the firms Registered Office) (hereinafter called the ‘Tenderer’) wish to participate in the tender No. \_\_\_\_\_ for \_\_\_\_\_ of (Supply / Erection / Supply & Erection Work) (Name of the material / equipment / Work) for \_\_\_\_\_ Gujarat Urja Vikas Nigam Ltd. and WHEREAS a Bank Guarantee for (hereinafter called the “Beneficiary”) Rs. \_\_\_\_\_ (amount of EMD) valid till \_\_\_\_\_ (mention here date of validity of this Guarantee which will be **4 (FOUR)** months beyond initial validity of Tender’s Offer) which is required to **be submitted by the Tenderer along with the Tender.**

We, \_\_\_\_\_ (name of the Bank and address of the Branch giving the Bank Guarantee) having our Registered Office at \_\_\_\_\_ (address of Bank’s Registered Office) hereby give this Bank Guarantee No. \_\_\_\_\_ dated \_\_\_\_\_ and hereby agree unequivocally and unconditionally to pay immediately on demand in writing from the Gujarat Urja Vikas Nigam Ltd. or any Officer authorized by it in this behalf any amount not exceeding Rs. \_\_\_\_\_ (amount of E.M.D.), (Rupees \_\_\_\_\_ (in words) to the said Gujarat Urja Vikas Nigam Ltd. on behalf of the Tenderer.

We \_\_\_\_\_ (name of the Bank) also agree that withdrawal of the Tender or part thereof by the Tenderer within its validity or Non-submission of Security Deposit by the Tenderer within one month from the date tender or a part thereof has been accepted by the Gujarat Urja Vikas Nigam Ltd. would constitute a default on the part of the Tenderer and that this Bank Guarantee is liable to be invoked and encashed within its validity by the Beneficiary in case of any occurrence of a default on the part of the Tenderer and that the encashed amount is liable to be forfeited by the Beneficiary.

This agreement shall be valid and binding on this Bank up to and inclusive of \_\_\_\_\_ (mention here the date of validity of Guarantee) and shall not be terminable by notice or by Guarantor change in the constitution of the Bank or the firm of Tenderer Or by any reason whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, conceded with or without our knowledge or consent by or between the Tenderer and the GUVNL.

**“Notwithstanding anything contrary contained in any law for the time being in force or banking practice, this Guarantee shall not be assignable, transferable by the beneficiary (i.e. GUVNL or Subsidiaries). Notice or invocation by any person such as assignee, transferee or agent of beneficiary shall not be entertained by the Bank. Any invocation of the Guarantee can be made only by the beneficiary directly.”**

NOTWITHSTANDING anything contained hereinbefore, our liability under this guarantee is restricted to Rs. \_\_\_\_\_ (Amt. of E.M.D.) (Rupees \_\_\_\_\_) (In words). Our Guarantee shall remain in force till \_\_\_\_\_ (Date of validity of the Guarantee). Unless demands or claims under this Bank Guarantee are made to us in writing on or before \_\_\_\_\_ (***Date of validity of the Guarantee***), all rights of Beneficiary under this Bank Guarantee shall be forfeited and we shall be released and discharged from all liabilities there under:

Place:

Date:

Please Mention here Complete Postal Address of the  
Bank with Branch Code, Telephone and Fax Nos.

Signature of the Bank's  
Authorized Signatory with  
Official Round Seal.



**NAME OF DESIGNATED BANKS:**

- (A) Guarantees issued by following banks will be accepted as SD/EMD on permanent basis.  
❖ All Nationalized Banks
- (B) Guarantees issued by following banks will be accepted as SD/EMD for period up to March 31, 2026. The validity cut-off date in GR is with respect to date of issue of Bank Guarantee irrespective of date of termination of Bank Guarantee.

**DETAILS OF BANK**

- |  |   |
|--|---|
| 1. Axis Bank                                     | 2. FEDERAL Bank                                       |
| 3. AU Small Finance Bank                         | 4. HDFC Bank  |
| 5. Bandhan Bank                                  | 6. HSBC Bank  |
| 7. City Union Bank                               | 8. ICICI Bank   |
| 9. CSB Bank                                      | 10. IDBI Bank   |
| 11. DBS Bank India Limited                       | 12. IDFC First Bank                                   |
| 13. DCB Bank                                     | 14. Yes Bank  |
| 15. Equitas Small Finance Bank                   | 16. Jana Small Finance Bank                           |
| 17. Karnataka Bank                               | 18. Karur Vyasya Bank                                 |
| 19. Kotak Mahindra Bank                          | 20. South India Bank                                  |
| 21. Tamilnadu Mercantile Bank                    | 22. Utkarsh Small Finance Bank                        |
| 23. Ahmedabad Mercantile Co-Operative Bank Ltd   | 24. Nutan Nagarik Sahakari Bank Ltd                   |
| 25. Rajkot Nagarik Sahakari Bank Limited         | 26. Saraswat Co-Operative Bank Ltd.                   |
| 27. SVC Co-Operative Bank Ltd.                   | 28. The Cosmos Co-op. Bank Ltd.                       |
| 29. The Gujarat State Co-Operative Bank          | 30. The Mehsana Urban Co-Operative Bank Ltd.          |
| 31. The Surat District Co-Operative Bank Ltd.    | 32. The Surat People's Co-Op. Bank Ltd.               |
| 33. The Kalupur Commercial Co-operative Bank Ltd | 34. Baroda Gujarat Gramin Bank                        |
| 35. Saurashtra Gramin Bank                       | 36. Barclays Ban                                      |
| 37. ESAF Small Finance Bank                      | 38. Jammu and Kashmir Bank                            |
| 39. Standard Chartered Bank                      | 40. SBPP Co-Operative Bank Ltd                        |
| 41. The Panchmahal District Co-Operative Bank    | 42. The Baroda District                               |
|  | 43. The Banaskantha mercantile co-operative Bank Ltd. |

All the eligible banks are instructed to collect the original documents/ papers of guarantee from the concerned tendering authority.

**Note:** The Banks shall be the Banks recognized / notified by the Finance Department, Government of Gujarat (GoG) from time to time.

**SIGNATURE OF CONTRACTOR  
ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD  
BLTPS, Padva.**

# INTEGRITY PACT

## OUR ENDEAVOUR

To create an environment where Business Confidence is built through Best Business Practices and is fostered in an atmosphere of trust and respect between providers of goods and services and their users for the ultimate benefit of society and the nation.

<b>GSECL'S COMMITMENT</b>	<b>PARTY'S COMMITMENT</b>
To maintain the highest ethical standards in business and professions.	Not to bring pressure recommendations from outside GSECL to influence its decision.
Ensure maximum transparency to the satisfaction of stakeholders.	Not to use intimidation, threat, inducement or pressure of any kind on GSECL OR ANY OF its employees under any circumstances.
To ensure to fulfill the terms of agreement/contract and to consider objectively the view point.	To be prompt and reasonable in fulfilling the contract, agreement, legal obligations.
To ensure regular and timely release of payments on due dates for work done.	To provide goods and / or services timely as per agreed quality and specifications at minimum cost to GSECL.
To ensure that no improper demand is made by employees or by anyone on our behalf.	To abide by the general discipline to be maintained in our dealings.
To give maximum possible assistance to all the Vendors/Suppliers/Service Provider and other to enable them to complete the contract in time	To be true and honest in furnishing information.
To provide all information to suppliers/contractors relating to contract / job which facilitate him to complete the contract / job successfully in time.	Not to divulge any information, business details available during the course of business relationship to others without the written consent to GSECL.
To ensure minimum hurdles to vendors / suppliers / contractors in completion of agreement / contract / work order.	Not to enter into carter / syndicate /understanding whether formal / non formal so as to influence the price.

Seal & Signature  
(GSECL's Authorized Signatory)

Seal & Signature  
(Party's Authorized Person)

**Name :**  
**Designation:**

**Name:**

**Name :**  
**Designation:**

**Name:**

# ANNEXURE- I

Financial Department, GR. No. FD/MSM/e-file/4/2024/2859/DMO Dtd.01/05/2025

[To be revised as per GoG notification issued from time to time.]

(A) Guarantees issued by following banks will be accepted as SD/EMD on permanent basis.

❖ All Nationalized Banks

(B) Guarantees issued by following banks will be accepted as SD/EMD for period up to March 31, 2025. The validity cut-off date in GR is with respect to date of issue of Bank Guarantee irrespective of date of termination of Bank Guarantee.

## DETAILS OF BANK

- |  |   |
|--|---|
| 1. Axis Bank                                     | 2. FEDERAL Bank                                       |
| 3. AU Small Finance Bank                         | 4. HDFC Bank  |
| 5. Bandhan Bank                                  | 6. HSBC Bank  |
| 7. City Union Bank                               | 8. ICICI Bank   |
| 9. CSB Bank                                      | 10. IDBI Bank   |
| 11. DBS Bank India Limited                       | 12. IDFC First Bank                                   |
| 13. DCB Bank                                     | 14. Yes Bank  |
| 15. Equitas Small Finance Bank                   | 16. Jana Small Finance Bank                           |
| 17. Karnataka Bank                               | 18. Karur Vyasya Bank                                 |
| 19. Kotak Mahindra Bank                          | 20. South India Bank                                  |
| 21. Tamilnadu Mercantile Bank                    | 22. Utkarsh Small Finance Bank                        |
| 23. Ahmedabad Mercantile Co-Operative Bank Ltd   | 24. Nutan Nagarik Sahakari Bank Ltd                   |
| 25. Rajkot Nagarik Sahakari Bank Limited         | 26. Saraswat Co-Operative Bank Ltd.                   |
| 27. SVC Co-Operative Bank Ltd.                   | 28. The Cosmos Co-op. Bank Ltd.                       |
| 29. The Gujarat State Co-Operative Bank          | 30. The Mehsana Urban Co-Operative Bank Ltd.          |
| 31. The Surat District Co-Operative Bank Ltd.    | 32. The Surat People's Co-Op. Bank Ltd.               |
| 33. The Kalupur Commercial Co-operative Bank Ltd | 34. Baroda Gujarat Gramin Bank                        |
| 35. Saurashtra Gramin Bank                       | 36. Barclays Ban                                      |
| 37. ESAF Small Finance Bank                      | 38. Jammu and Kashmir Bank                            |
| 39. Standard Chartered Bank                      | 40. SBPP Co-Operative Bank Ltd                        |
| 41. The Panchmahal District Co-Operative Bank    | 42. The Baroda District                               |
|  | 43. The Banaskantha mercantile co-operative Bank Ltd. |

All the eligible banks are instructed to collect the original documents/ papers of guarantee from the concerned tendering authority.

**SIGNATURE OF CONTRACTOR  
ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD  
BLTPS, Padva.**

## **CERTIFICATE – A**

**Name Of Work: PU Grouting work at various locations in plant premises at BLTPS, Padv.**

I / We \_\_\_\_\_ authorized signatory of M/s. \_\_\_\_\_

here by Certify that M/s. \_\_\_\_\_ is not related with other firms who have submitted tenders for the same items under this inquiry / Tender.

Signature of the Tenderer  
With Designation

Seal of the Firm

Place:

Date:

**DEVIATION FROM BIDDER (IF ANY) [FORM -02]**

<b>FORM-02</b>	
<b>Name of Work</b>	<b>PU Grouting work at various locations in plant premises at BLTPS, Padvā.</b>

**DEVIATION FROM BIDDER (IF ANY)**

**NOTE:-**

1. GSECL does not bind to accept the deviation offered by bidder for evaluation of tender.
2. If there is any deviation from bidder, it should be clearly mentioned on this page.
3. Deviation mentioned on other page should not be considered and order will be placed according to the tender documents.
4. If there is no any deviation from bidder, than it must be clearly mentioned in this page **“NO DEVIATION OFFERED”**

**Signature of the Contractor**  
**With seal**

**On Firm's Letter Head**  
**UNDERTAKING IN REGARD TO STOP DEAL / BLACK LIST**  
**THEREOF) – [FORM -03]**

FORM-03	
<b>Name of Work</b>	<b>PU Grouting work at various locations in plant premises at BLTPS, Padv.</b>

All Bidders will have to furnish the following Undertaking duly filled in, signed and stamped for each quoted item of the Tender along with the Technical Bid.

---

Sub: - Undertaking in regard to Stop Seal / Banned for Business Dealing / Black List Thereof.

Ref: - Tender No:

I / We \_\_\_\_\_ Authorized  
signatory of M/s. \_\_\_\_\_

Hereby certify that M/s. \_\_\_\_\_

And their proprietor / any partner / any directors of the firm is not stop deal and/or banned for business dealing and/or black listed by GUVNL and/or their any subsidiary company viz. GSECL / GETCO / DGVCL / MGVL / UGVCL / PGVL”.

**Seal of the Firm.**

**Signature of the Tenderer.**

# **UNDERTAKING TO BE SUBMITTED ON LETTERHEAD**

## **[FORM-4]**

We, the supplier / contractor of GUVNL/ or subsidiary company hereby unconditionally agree to transfer the amount as determined as the benefit available to us in the form of higher input tax credit due to introduction of GST law.

We hereby unconditionally agree that GUVNL/ or subsidiary company has the absolute right to recover the net amount so determined from payments payable by GUVNL/or subsidiary company by way of clause no. \_\_\_\_ of statutory Variation and clause no. \_\_\_\_ of excise duty of our AT/WO/PO which has been agreed to and accepted by us & also as per the clause 171 of the GST law referring to Anti – Profiteering law wherein the Govt. has made it compulsory to transfer the benefit on account of higher ITC available due to introduction of GST to the consumers.

**SIGNATURE OF CONTRACTOR**

**[On Company's Letter Head]**

**ANNEXURE - 13**

(Required for price justification, if necessary)  
(UNDERTAKING IN REGARD TO QUOTED PRICE)

(All bidders will have to furnish the following undertaking duly filled in, for all the quoted items/works of the tender along with online Technical Bid)

Ref.: Tender No...../ Gem Bid. No..... .

We, the undersigned, hereby declare and undertake that we have not accepted or executed any Letter of Acceptance (LOA) or Purchase Order (PO) at a unit ex-works price/any work at rate lower than the rate offered in this tender in any station of GSECL/GUVNL & Subsidiaries/ CPSU/SPSU/IPP etc. during the period from six (6) months prior to two (2) months after the bid submission date of this tender.

We also understand that LOA / Purchase Order placed by any station of GSECL/GUVNL Subsidiaries/ CPSU/SPSU/IPP etc. on the basis of above undertaking shall not be considered as 'offered' price for the tender items in subsequent tender, if it is not within period mentioned above.

I / We accept above undertaking.

**Seal of the Firm**

**Signature of the Tenderer with Designation**



# CIRCULAR – I

The following are the major obligations to be fulfilled by the Contractors as per the Contract Labour (R&A) Act 1970 and rule mentioned there under:

1. License to be obtained before starting the Work where number of contract laborers is 50 or more.
2. Payment to contract laborers has to be made through bank only. Wages rates for contract laborers are applicable as per the terms and conditions of the license. Minimum rate of the wages for unskilled labor is **Rs. 501.50** for semiskilled labor is **Rs. 512.50** and for skilled labor is **Rs. 522.50** w.e.f. **01.04.2026 to 30.09.2026** or as per the circular of GoG time to time.
3. Every contractor shall have to maintain the muster roll and wages register in respect of his contract labour.
4. Every contractor is required to issue employment card, wages slip and attendance card to their laborers.
5. The contractor has to maintain the register No. 13 containing details of contract labors employed by him.
6. Earned leave register/ card as per the Factories Act and Rules.
7. Other registers required under Contract Labour Rules and the Factories Act and Rules.
8. Every contractor shall have to obtain insurance policy in respect of the contract labors engaged by him to cover them under workmen's Compensation Act.
9. To send half yearly return to licensing officer as per Rule 82 (1) as per schedule time.
10. Before starting the work as per the contract awarded to him, he should make arrangement to enter into the agreement in the prescribed format on the stamp paper as applicable. Before fulfilling the above requirement the contractor is instructed not to start the work. The responsibility will be on his head in case he fails.
11. Contractor should possess separate P.F. code on their firm, name otherwise their offer may not be considered.
12. Contractors shall have to pay wages as may be revised from time to time as may be declared by GOVERNMENT All the contractors are informed to adhere to the rules and regulations applicable to them, particularly in respect of the laborers engaged by them, the contractor not fulfilling the obligations will not be allowed or continue with work/not be held qualified to carry out the work at BHAVNAGAR LIGNITE TPS.

**SIGNATURE OF CONTRACTOR**  
**ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD**  
**BLTPS, Padva.**

# DECLARATION CUM INDEMNITY BOND

*(On Rs.300/- Non Judicial Stamp Paper duly notarised)*

**THIS DECLARATION CUM INDEMNITY BOND** made at ----- (mention location) by M/S. ----  
----- having its Reg. office at----- (hereinafter referred to as  
“**Contractor**” which expression shall unless it be repugnant to the context or meaning thereof, be deemed to mean  
and include their respective assigns, successor, executors, subcontractors and/or administrators) of the **ONE PART** in  
favour of

**M/S Gujarat State Electricity Corporation Limited** having its power Station at **Bhavnagar Lignite Thermal Power  
Station** (hereinafter referred to as the “**Company**”), which expression shall unless it be repugnant to the context  
or meaning thereof be deemed to mean and include its assigns, successors) of the **OTHER PART**.

**WHEREAS** the COMPANY has entered into a contract with the Contractor for the work of”-----  
-----“ under order No: ----- dated----- for the period of Dt.  
\_\_\_\_\_ to \_\_\_\_\_ “hereinafter called the “Contract”);

**AND WHEREAS** it is one of the essential conditions of the Contract that the Contractor shall comply with all the  
provisions of the Labour & Industrial Laws, as may be applicable from time to time for the discharge and completion of  
the works and completion of the Works and Services covered under said Contract Labour (R & A) Act 1970, Child  
Labour (Prohibition and Regulation) Act 1986, The Employees Provident Funds & Miscellaneous Provisions  
Act, 1952, Employees State Insurance Act 1948, Minimum Wages Act, 1948, Payment of Bonus Act, 1965, Payment of  
Act, 1936, Employees Compensation Act, 1923, Factories Act, 1948 and other Labour Laws, Rules, Notifications and  
Codes which are at present applicable to the contractor and which may be applicable during the tenure of the contract  
(hereinafter referred as the ‘Laws’).

**AND WHEREAS** the Contractor has agreed to execute this Declaration cum Indemnity Bond to this effect and has  
agreed to indemnify and Company, its Directors, Officers and employees and representatives indemnified and hold  
harmless against all third party claims, charges, penalties, fines, expenses, losses, damages costs, suits or any other levy  
against the Company and/or the management due to the failure of the Contractor to observe or follow all applicable laws.

## **NOW THIS DEED WITNESSETH AS UNDER:**

1. The Contractor hereby declares that all acts, deeds, actions, activities, conduct and lapse, delays, misdeeds, faults, breaches, inactions etc done by his assigns, successors, executors, subcontractor and/ or administrators shall be construed to be have been done by the contractor and he alone shall be liable for such acts, inactions etc.
2. In consideration of the Company awarding the Contract to the Contractor subject to the condition of execution of this Declaration cum Indemnity bond, the Contractor declares and represents to the Company that the Contractor has obtained all Statutory registrations, Certificates, licenses and approvals required under the Laws enabling the Contractor to execute the Contract in a legal and lawful manner.
3. That in the event of any liability arising out of failure to observe or non-compliance of any such ‘Laws’ by the Contractor in connection with the Performance of the contract, the Contractor shall bear all the resultant whatsoever liability (ies), if any arising out thereof and that the company, its Directors, Officers and employees, representatives, shall not be liable for any such liability(ies). The Contractor agrees to indemnify and keep the Company and its Directors, Officers and employees, representatives indemnified, defend and hold harmless, against all losses, costs, damages, claims, penalties, interest, expenses, demands, fines, legal liability, causes of action, injury to persons, suits etc., which may be suffered, incurred, undergone and / sustained by the Company including the Costs and expenses that may be incurred in defending any such liability(ies) claim(S), Proceeding (S) etc. that maybe made or taken or taken or arise on the same by any Person, body, authority, government, judicial / quasi - judicial authority due to the failure or non-compliance of any such laws and rules there under (including any amendments in acts, laws, statutes & rules there under) of whatsoever kind and nature arising out of or in any way connected with, whether or not such acts or omissions are actual or alleged, active or passive with regard to the discharge of the said Contract.
4. The Contractor further declares that in case of any suit / claim / right / damages / compensation / fine / levy / charges / expenses / losses / penalties / costs raised by the third party, including contract labours engaged by the contractor, he shall join such proceedings in such Suit/Court/Tribunal/Authority and effectively defend the same.
5. The Contractor hereby agree and undertakes to make good any loss, damage, claims, suits, demands, decrees, expenses that the Company may suffer to the fullest satisfaction of the Company and if the

Contractor fails to make good the same then the Company shall have the right to recover the same and or any other loss sustained, without any restriction or limitation, together with any other incidental expenses, costs, and all incidental logistic expenses etc that may be suffered by the Company from the Contractor and the Contractor hereby further confirms and declares that this Declaration cum Indemnity Bond is irrevocable and shall be final and binding on it / him heirs, executors, administrators, legal representatives, successors, subcontractors and assigns, wherever the context applies. any claims, demands, shall be adjusted against any amount due and payable to the Contractor and the Company shall have the right to withhold any amounts due and payable to the Contractor, till the settlement of such claims, disputes to the Contractor towards discharge of such claims, obligations etc.

6. This Declaration cum indemnity bond shall be in accordance with the laws of India and any dispute between the parties with regard to this Declaration cum Indemnity Bond shall be resolved through the dispute resolution process mentioned in the General Conditions of the Contract (GCC).

IN WITNESS WHEREOF, the said Contractor has hereunto set their hand the day and year first hereinabove written.

**SIGNED SEALED AND DELIVERED**

By the within named "CONTRACTOR"

(Authorised Signatory)

Rubber Stamp of Firm/Company

Name:

Designation:



Date:

**In presence of Witness**

**Name & Address of Witness Signature**

1. -----

2. -----

	<b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b> <b>Bhavnagar Lignite Thermal Power Station</b> <b>At &amp; PO: Padva, Ta: Ghogha, Dist: Bhavnagar – 364050.</b> e-mail: <a href="mailto:cebltps.gsecl@gebmail.com">cebltps.gsecl@gebmail.com</a> , Website: <a href="http://www.gsecl.in">www.gsecl.in</a> , CIN: U40100GJ1993SGC019988	
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## SECTION-G

- ❖ **GENERAL SPECIFICATIONS**
- ❖ **TECHNICAL SPECIFICATION**

## GENERAL SPECIFICATIONS

01. In the specifications, “as directed”/”Approved” shall be taken to mean “as directed”/”approved” by the Engineer-in-charge.
02. Wherever a reference to any Indian Standard appears in the specifications, it shall be taken to mean as a reference to the latest edition of the same in force on the date of agreement.
03. In “Mode of Measurement” in the specification wherever a dispute arises in the absence of specific mention of a particular point or aspect, the provisions on these particular points or aspects in the relevant Indian Standards shall be referred to.
04. All measurements and computations, unless otherwise specified, shall be carried out as per Latest IS: 1200.
05. The distance which constitutes lead shall be determined along the shortest practical route and not necessarily the route actually taken. The decision of the Engineer-in-charge in this regard shall be taken as final.
06. Where no lead is specified, it shall mean “all leads”.
07. Lift shall be measured from plinth level.
08. Up to “floor two level” means actual height of floor up to 6.5 Mt. Above plinth level.
09. Definite particulars covered in the items of work, though not mentioned or elucidated in it, specification shall be deemed to be included therein.
10. Reference to specifications of materials as made in the detailed specification of the items of work is in the form of a designation containing the number of the specification of the material and prefix ‘M’ e.g. ‘M-5’.
11. Approval to the samples of various materials given by the Engineer-in-charge shall not absolve the contractor from the responsibility of replacing defective material brought on site or materials used in the work found defective at a later date. The contractor shall have no claim to any payment or compensation whatsoever on account of any such materials being rejected by the Engineer-in-charge.
12. The contract rate of the item of work shall be for the work completed in all respects.
13. No collection of materials shall be made before it is got approved from the Engineer-in-charge.
14. Collection of approved materials shall be done at site of work in a systematic manner. Materials shall be stored in such a manner as to prevent damage, deterioration or intrusion of foreign matter and to ensure the preservation of their quality and fitness for the work.
15. Cement, reinforcements bars & all other materials to be used shall be got approved from EIC before starting of work. The cement, reinforcement steel & other materials to be brought at site shall be entered at BLTPS main entry gate.
16. Materials, if and when rejected by the Engineer-in-charge, shall be immediately removed from the site of work.
17. No materials shall be stored prior to, during and after execution of a structure in such a way as to cause or lead to damage or overloading of the various components of the structure.
18. All works shall be carried out in a workmanlike manner as per the best techniques for the particular item.
19. All tools, templates, machinery and equipment for correct execution of the work as well as for checking lines, levels, alignment of the works during execution shall be kept in sufficient numbers and in good working condition on the site of the work.
20. The mode, procedure and manner of execution shall be such that it does not cause damage or over loading of the various components of the structure during execution or after completion of the structure.

21. Special modes of construction not adopted in general Engineering practice, if proposed to be adopted by the Contractor, shall be considered only if the contractor provides satisfactory evidence that such special mode of construction is safe, sound and helps in speedy construction and completion of work to the required strength and quality. Acceptance of the same by the Engineer-in-charge shall not, however, absolve the contractor of the responsibility of any adverse effects and consequences of adopting the same in the course of execution of completion of the work.
22. All installations pertaining to water supply and fixtures thereof as well as drainage lines and sanitary fittings shall be deemed to be completed only after giving satisfactory tests by the Contractor.
23. The contractor shall be responsible for observing the rules and regulations imposed under 'Minor Minerals Act' and such other laws and rules prescribed by Government from time to time.
24. All necessary safety measures and precaution [including those laid down in the various relevant Indian Standards shall be taken to ensure the safety of men, materials and machinery on the works as also of the work itself.
25. The testing charge of all materials shall be borne by the Contractor unless recovery at one percent towards using charges is separately made.
26. Approval to any of the executed items for the work does not in any way relieves the contractor of his responsibility for the correctness, soundness and strength of the structure as the drawings and specification.

**SIGNATURE OF CONTRACTOR**  
**ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD**  
**BLTPS, Padvā.**

## TECHNICAL SPECIFICATIONS

<b>NAME OF WORK :</b>	<b>PU Grouting work at various locations in plant premises at BLTPS, Padva.</b>
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### SPECIFICATIONS OF MATERIALS

#### MATERIAL SPECIFICATION

##### **M-1. Water**

**1.1.** Water shall not be salty brackish and shall be clean, reasonably clear and free objectionable quantities of silt and traces of oil and injurious alkalis, salts, organic matter and other deleterious material which will either weaken the mortar of concrete or cause efflorescence or attack the steel in R.C.C. Container for transport, storage and handling of water shall be clean. Water shall conform to the standard specified in I.S. 456-1978.

**1.2.** If required by the Engineer-in-Charge it shall be tested by comparison with distilled water. Comparison shall be made by means of standard cement tests for soundness time of setting and mortar strength as specified in I.S. 269- 1976. Any indication of unsoundness change in time of setting by 30 minutes or more or decrease of more than 10 per cent in strength, of mortar prepared with water sample when compared with the results obtained with mortar prepared with distilled water shall be sufficient cause for rejection of water under test.

**1.3.** Water for curing mortar, concrete or masonry should not be too acidic or too alkaline, It shall be free of elements which significantly affect the hydration reaction or otherwise interfere with the hardening of mortar or concrete during curing or those which produce objectionable stains or other unsightly deposits on concrete or mortar surfaces

**1.4.** Hard and bitter water shall not be used for curing

**1.5.** Potable water will generally found suitable for curing mortar or concrete.

##### **M-2. Lime:**

Lime shall be hydraulic lime as per I.S. 712-1973. Necessary test shall be carried out as per I.S. 6932 (Parts I to X), 1973.

The following field tests for limes are to be carried out:

A very rough idea can be formed about the type of lime by its visual examination i.e. fat lime bears pure white colour, lime in form of porous lumps of dirty white colour indicates quick lime, and solid lumps are the unburnt lime stone.

Acid tests for determining the carbonate content in lime, Excessive amount of impurities and rough determination of class of lime.

Storage shall comply with I.S. 712-1973. The slaked lime, if stored, shall be kept in a weather proof and damp-proof shed with impervious floor and sides to protect it against rain, moisture, weather and extraneous materials mixing with it. All lime that has been damaged in any way shall be rejected and all rejected materials shall be removed from site of work.

Field testing shall be done according to I.S. 1624-1974 to show the acceptability of materials.

##### **M-3. Cement**

**3.1.** Cement shall be ordinary Portland slag cement as per I.S.269-1976 or Portland slag cement as per I.S. 455-1976.

##### **M-4. White Cement**

**4.1** The white cement shall conform to I S. 8042-E-1978.

##### **M-5. Coloured Cement:**

Coloured cement shall be with white or gray Portland cement as specified in the item of the work. The pigments used for coloured cement shall be of approved quality and shall not exceed 10% of cement used in the Mix. The mixture of pigment shall be properly grounded to have a uniform colour and shade. The pigments shall have such properties to provide for durability under exposure to sunlight and weather.

The pigment shall have the property such that it is neither by the cement nor detrimental to it.

## **M-6 Sand**

**6.1.** Sand shall be natural sand, clean, well graded hard strong, durable and gritty particles free from injurious amounts of dust, clay kankar nodules, soft or flaky particles shale, alkali salts organic matter, loam, mica or other deleterious substances and shall be got approved from the Engineer-in-Charge. The sand shall not contain more than 8 percent of silt as determined by field test, if necessary the sand shall be washed to make it clean.

**6.2.** Coarse Sand: The fineness modulus of coarse sand shall not be less than 2.5 and shall not exceed 3.0. The sieve analysis of coarse shall be as under.

I.S. Designation	Sieve passing	sieve Percentage by weight Designation	Percentage by weight passing Sieve
4.75mm	100	600 micron	30-100
2.36mm	90 to 100	300 micron	50-70
1.18mm	70 to 100	150 micron	0-50

## **6.3. Fine Sand:**

The fineness modulus shall not exceed 1.0 The sieve analysis of fine sand shall be as under.

I.S. Designation	Sieve passing	sieve Percentage by weight Designation	Percentage by weight passing Sieve
4.75mm	100	600 micron	40-85
2.36mm	100	300 micron	5-50
1.18mm	75 to 100	150 micron	0-10

## **M-7. Stone Dust:**

This shall be obtained from crushing hard black trap or equivalent. It shall not contain more than 8% of silt as determined by field test with measuring cylinder. The method of determining silt contents by field test is given as under:

A sample of stone dust to be tested shall be placed without drying in 200 mm. measuring cylinder. The quantity of the sample shall be such that it fills the cylinder upto 100 mm. mark. The clean water shall be added up to 150 mm mark. The mixture shall be stiffed vigorously and the content allowed settling for 3 hours.

The height of silt visible as settled layer above the stone dust shall be expressed as percentage of the height of the stone dust below. The stone dust containing more than 8% silt shall be washed so as lowering the silt content within the allowable limit.

The fineness modulus of stone dust shall not be less than 1.80.

## **M-8. Stone Grit**

**8.1.** Grit shall consist of crushed or broken stone and be hard, strong, dense, durable, clean of proper gradation and free from skin or coating likely to prevent proper adhesion of mortar grit shall generally be cubical in shape and as far as possible flaky elongated pieces shall be avoided. It shall generally comply with the provisions of I.S. 383-1970. Unless special stone of particular quarries is mentioned grit shall be obtained from the best black trap or equivalent hard stone as approved by the Engineer-in-charge. The grit shall have no deleterious with cement.

**8.2.** The grit shall conform to the following gradation as per sieve analysis:

I.S. Designation	Percentage by weight	IS sieve Designation	Percentage by weight passing Sieve
1250mm	100	4.85mm	40-85
1000mm	85-100	300 micron	5-50



**8.3.** The crushing strength of grit will be such as to allow the concrete in which is used to build-up the specified strength of concrete

**8.4.** The necessary tests for grit shall be carried out as per the requirements of I.S.2386- (parts-I to VIII) 1963 as per instructions of the Engineer-in-charge. The necessity of test will be decided by the Engineer-in-charge.

#### **M-9. Cinder:**

Cinder is well burnt furnace residue, which has been fused or sintered into lumps of varying sizes. Cinder aggregates shall be well burnt furnace residue obtained from furnace using coal fuel only. It shall be sound clean free from clay, dirt ash or other deleterious matter.

The average grading for cinder aggregates shall be as mentioned below:

I.S.Sieve`	Percentage	I.S.Sieve`	Percentage
Designation	Passing	Designation	Passing
20mm	100	4.75mm	70
10mm	86	2.36mm	52

#### **M-10. Lime Mortar:**

Lime shall conform to specification M-2 Water shall conform to specification M-1.

Sand: Sand shall conform to specification M-6.

Proportion of Mix:

Mortar shall consist of such proportions of slaked lime and sand as may be specified in the item.

The slaked lime and sand be measured by volume.

Preparation of Mortar:

Lime mortar shall be prepared by wet process as per I.S. 1625-1971. Power driven mill shall be used for preparation of lime mortar. The slaked lime shall be placed in the mill in an even layer and ground for the 180 revolutions with sufficient water. Water shall be added as required during grinding (care being taken not to add more water) that will bring the mixed material to a consistency of stiff paste. Thoroughly wetted sand shall then be added evenly and the mixture ground for another 180 revolutions.

Storage:

Mortar shall always be kept damp, protected from sun and rain till used up, covering it by tarpaulin or open sheds. I.S.Sieve Percentage by weight I.S.Sieve Percentage by weight Designation through Sieve Designation through Sieve 12.50 mm. 100% 4.75 mm. 0-20% 10.00 mm. 85-100% 2.36 mm. 0-25% Page 136

Use:

All mortar shall be used as soon as possible after grinding it should be used on the day on which it is prepared. But in no case mortar made earlier than 36 hours shall be permitted for use.

#### **M-11. Cement Mortar**

**11.1.** Water shall conform to specification M-1, Cement: Cement shall conform to specifications M-3 and Sand: Sand shall conform to M-6

##### **11.2. Proportion of Mix**

**11.2.1.** Cement and sand shall be mixed to specified proportion, sand being measured by measuring boxes; the proportion of cement will be by volume on the basis of 50 Kg/Bag of cement being equal to 0.0342 cum the mortar may be hand mixed or machine mixed as directed.

##### **11.3. Proportion of Mortar:**

**11.3.1.** In hand mixed mortar, cement and sand in the specified proportions shall be thoroughly mixed dry on a clean impervious platform by turning over at least 3 times or more till a homogeneous mixture of uniform colour is obtained. Mixing platform shall be so arranged that no deleterious extraneous material shall get mixed with mortar or mortar shall flow out. While mixing, the water shall be gradually added and thoroughly mixed to form a stiff plastic mass of uniform colour so that each particle of sand shall be completely covered with a film of wet cement. The water cement ratio shall be adopted as directed

**11.3.2.** The mortar so prepared shall be used within 30 minutes of adding water. Only such quantity of mortar shall be prepared as can be used within 30 minutes.

#### **M-12. Stone Coarse Aggregate for Nominal Mix Concrete**

**12.1.** coarse aggregate shall be of machine crushed stone of black trap or equivalent and be hard strong, dense, durable, clean and free from skin and coating likely to prevent proper adhesion of mortar

**12.2.** The aggregate shall generally be cubical in shape unless special stones of particular quarries are mentioned aggregates shall be machine crushed from the best black trap or equivalent hard stone as approved Aggregate shall have no deleterious reaction with cement. The size of the coarse aggregate for plain cement and ordinary reinforced cement concrete shall generally be as per the table given below.

However, in case of reinforced cement concrete the maximum limit may be restricted to 6 mm. less than the minimum lateral clear distance between bars or 6- mm. less than the cover whichever is smaller.

IS sieve designation	Percentage passing for single size aggregate of nominal size			IS sieve designation	Percentage passing for single size aggregate of nominal size		
	40mm	20mm	16mm		40mm	20mm	16mm
80mm	-	-	-	12.5mm	-	-	-
63mm	100	-	-	10mm	5	0.2	0.3
40mm	85-100	100	-	4.75mm	-	0.5	0.5
20mm	0.2	85-100	100	2.35mm	-	-	-
16mm	85-100						

**Note:** This percentage may be varied somewhat by the Engineer-in-charge when considered necessary for obtaining better density and strength of concrete.

**12.3.** The grading test shall be taken in the beginning and at the change of source of materials. The necessary tests, indicated in I.S. 383-1970 and 456-197f shall have to be carried out to ensure the acceptability. The aggregates shall be stored separately and handled in such a manner as to prevent the intermixing of different aggregates. If the aggregates are covered with dust, they shall be washed with water to make them clean.

### **M-13. Black Trap or Equivalent Hard Stone Course:**

Aggregate for Design Mix Concrete: Course aggregate shall be of machine crushed stone of black trap or equivalent hard stone and be hard strong dense, durable clean and free skin and coating likely to prevent proper adhesion of mortar.

The aggregates shall generally be cubical in shape. Unless special stones of particular quarries are mentioned, aggregates shall be machine crushed from the best, black trap or equivalent hard stones as approved. Aggregate shall have no deleterious reaction with cement.

The necessary tests indicated in I.S. 383-1970 and I.S. 456-1978 shall have to be carried out to ensure the acceptability of the material.

If aggregate is covered with dust it shall be washed with water to make it clean.

### **M-14. Brick Bats Aggregate:**

Brick bat aggregate shall be broken from well burnt or slightly over burnt and dies brick. It shall be homogeneous in texture roughly cubical shape, clean and free from dirt of any other foreign material. The brick bats shall be of 40 mm. to 50 mm. size unless otherwise specified in the item. The un-burnt or over burnt brick bats shall not be allowed.

The brick bats shall be measured by volume by suitable boxes or as directed.

### **M-15. Bricks**

**15.1.** The bricks shall be hand or machine moulded and made from suitable soils and kiln burnt. They shall be free from cracks and flaws and nodules of free lime they shall have smooth rectangular faces with sharp corners and shall be of uniform colour.

The bricks shall be- moulded with a frog of 100 mm. x 40 mm. and 10 mm to 20 mm deep on one of its flat sides. The bricks shall not break when thrown on the ground from a height of 600 mm.

**15.2.** The size of modular bricks shall be 190 mmx90 mmx90 mm.

**15.3.** The size of the conventional bricks shall be as under: (9" x 4.3/8" x 2, 3/4") 225 x 110 x 75 mm.

**15.4.** Only bricks of one standard size shall be used on one work. The following tolerances shall be permitted in the conventional size adopted in a particular work.

Length + 1/8" (3.0 mm.) Width  $\pm$  1/16" (1.50 mm.) Height + 1/16" (1.50 mm.)

**15.5.** The crushing strength of the bricks shall not be less than 35 Kg/Sq. Cm. The average water absorption shall not be more the 20 percent by weight Necessary tests for crushing strength and water absorption etc. shall be carried out as per I.S. 3495 ( Part-I to IV ) – 1976.

#### **M-16. Stone:**

The stone shall be of the specified variety such as Granite/Trap Stone. Quartzite or any other type of good hard stones. The stones shall be obtained only from the approved quarry and shall be hard, sound, durable and free from defects like cavities, cracks, sand holes, flaws, injurious veins, patches of loose or soft materials etc. and weathered portions and other structural defects or imperfections tending to affect their soundness and strength. The stone with round surface shall not be used. The percentage of water absorption shall not be more that 5% of dry weight, when tested in accordance with I.S. 1134-1974. The minimum crushing strength of the stone shall be 200 kg./Sq. Cm. unless otherwise specified.

The Khanki facing stone shall be dressed by chisel as specified in the item for khanki facing in required shape and size. The face of stone shall be so dressed that the bushing on the exposed ace shall not project by more than 40 mm. from the general wall surface and on face to be plastered it shall not project by more than 19 mm. nor shall it have depressions more than 10 mm from the average wall surface.

#### **M-17. Laterite Stone:**

Laterite stone shall be obtained from the approved quarry. It shall be compacted in texture, sound, durable and free from soft patches. It shall have a minimum crushing strength of 100 K.G/sqm Cm. in its dry condition. It shall not absorb water more than 20% of its own weight, when immersed for 24 hours in water. After quarrying the stone shall be allowed to weather for some time before using in work.

The stone shall be dressed into regular rectangular blocks so that all faces are free from waviness and unevenness, edges true and square.

Those types of stone in which white clay occur, should not be used.

Special corner stones shall be provided where so directed.

#### **M-18. Mild Steel Bars:**

Mild steel bars reinforcement for R.C.C work shall conform to I.S. 432(Part-II) 1966 and shall be tested quality. It shall also comply with relevant part of I.S. 456-1978.

All the reinforcement shall be clean and free from dirt, paint, grease, mile scale or loose or thick rust at the time of placing.

#### **M-19. High Yield Strength Steel Deformed Bars**

**19.1.** High yield strength steel deformed bars shall be either cold twisted other rolled and shall conform to I.S. 1786-1966 and I.S. 1139-1966 respectively.

**19.2.** Other provisions and requirements shall conform to specification no. M-18 for Mild Steel Bars.

#### **M-20. High Tensile Steel Wire:**

The high tensile wires for the use in pre-stressed concrete work shall conform to I.S. 2090- 1962.

The tensile strength of the high tensile steel bars shall be as specified in the item. In absence of the given strength, the minimum strength shall be taken as per para 6.1 of I.S. 1785-1962. Testing shall be done as per I.S. requirements.

The high tensile steel shall be free from loose mill scale, rust oil, grease, or any other harmful matter, cleaning of steel bars may be carried out by immersion in solvent solution, wire brushing or passing through a pressure box containing carborundum.

The high tensile wire shall be obtained from manufactures in coil having diameter not less than 350 times the diameter of wire itself so that wire springs back straight back straight on being uncoiled.

#### **M-21. Mild Steel Binding Wire**

**21.1.** The mild steel wire shall be of 1.63 mm. or 1.22 mm (16 to 18 gauges) diameter and shall conform to I.S. 280-1972.

**21.2.** The use of black wire will be permitted for binding reinforcement bars. It shall be free from rust oil paint, grease loose mill scale or any other undesirable coating which may prevent adhesion of cement mortar

### **M-22 Structural Steel:**

**22.1** All structural steel shall conform to I. S. 226-1965. The steel shall be free from the defects mentioned in I. S. 226-1975 and shall have a smooth finish. The materials shall be free from loose mill scale, rust pits or other defects affecting the strength and durability. Rivet bars shall conform to I. S. 1148-1973.

**22.2** When the steel is supplied by the Contractor test certificates of the manufactures shall be obtained according to I. S. 226-1975 and other relevant Indian Standards.

### **M-23. Galvanised Iron Sheets**

**23.1.** The galvanised iron sheets shall be plain or corrugated sheets of gauges as specified in item The G.I. Sheets shall conform to I.S.277-1977. The sheets shall be undamaged in carnage and handling either by rubbing off of zinc coating or otherwise. They shall have clean and bright surface and shall be free from dents, bends, holes, rust or white powdery deposit.

**23.2.** The length and width of G.I. sheets shall be as directed as per site condition.

### **M-23.A:G.I. Valleys gutter, ridges**

**23. A.1.** The G.I. ridges and hips shall be of plain galvanised sheets Class - 3 of the thickness as specified in item. These shall be 600 mm. in width and properly bent up to shape without damage to the sheets in process of bending.

**23. A.2.** Valleys gutters and flashings shall also be of galvanised sheet of thickness as specified in item Valleys Shall be 900 mm. wide overall and flashing shall be 380 mm. wide overall they shall be bent to the required shape without damage to the sheet in the process of bending.

### **M-24. Asbestos Cement Sheets:**

Asbestos cement sheets plain, corrugated or semi corrugated shall conform to I.S. 459-1970. Ridges & Hips: Ridges and hips shall be same thickness at that of A.C sheets. The types of ridges suitable for the type of sheets and locations.

Other accessories to be used in roof such as flashing pieces, caves filler pieces valley gutters, Page 140north light and ventilator curves, barge boards etc. shall be standard manufacture and shall be suitable for the type of sheets and location.

### **M-25. Mangalore Pattern Roof Tiles:**

The Mangalore pattern tiles shall conform to I.S. 654-1972 for Class AA or Class "A" type as specified in item. Samples of the tiles to be provided shall be got approved from the Engineering-charge. Necessary tests shall be carried out as directed.

### **M-26. Shuttering**

**26.1.** The shuttering shall be either of wooden planking of 30 mm. minimum thickness with or without steel lining or of steel plates stiffened by steel angles The shuttering shall be supported on battens and beams and props of vertical bullies properly cross braced together so as to make the centring rigid. In places of bullies props, brick pillar of adequate section built in mud mortar may be used

**26.2.** The form work shall be sufficiently strong and shall have camber so that it assumes correct shape after deposition of the concrete and shall b-j able to resist forces caused by vibration of live load of men working over it and other incidental loads associated with it. The shuttering shall have smooth and even surface and its joints shall permit leakage of cement grout

**26.3.** If at any stage of work during or after placing concrete in the structure, the form work sags or bulges out beyond the required shape of the structure, the concrete shall be removed and work redone with fresh concrete and adequately rigid form work The complete from work shall be got inspected by and got approved form the Engineer-in charge, before the reinforcement bars are placed in position

**26.4.** The props shall consist to bullies having 100 mm. minimum diameters measured at mid length and 80 mm. at thin end shall be placed as per design requirement. These shall rest squarely on wooden sole plates 40 mm. thick and minimum bearing area of 0-10 sqm laid on sufficiently hard base.

**26.5.** Double wedges shall further be provided between the sole plate and the wooden props so as to facilitate tightening and easing of shuttering without jerking the concrete

**26.6.** The timber used in shuttering shall not be so dry as to absorb water from concrete and swell or bulge nor so green or wet as to shrink after erection. The timber shall be properly sawn and planed on the sides and the surface coming in contact with concrete wooden form work with metal sheet lining or steel plates stiffened by steel angles shall be permitted

**26.7.** As far as practicable, clamps shall be used to hold the forms together and use of nails and spikes avoided.

**26.8.** The surface of timber shuttering that would come in contact with concrete shall be well wetted and coated with soap solution before the concreting is done Alternatively coat of raw linseed oil or oil of approved manufacture may be applied in place of soap solution In case of steel shuttering either soap solution or raw linseed oil shall be applied after thoroughly cleaning the surface. Under no circumstances black or burnt oil shall be permitted.

**26.9.** The shuttering for beams and slabs shall have camber of 4 mm per meter (1 in 250) or as directed by the Engineer-in-charge so as to offset the subsequent deflection For cantilevers, the camber at free end shall be 1/50 of the projected length or as directed by the Engineer-in-charge.

#### **M-27. Expansion joints-Pre moulded filter:**

The item provides for expansion joints in R.C.C frame structures for internal joints, as well as exposed joints, with the use of pre moulded bituminous joint filler.

Pre moulded bituminous joint filler, i.e. performed strip of expansion joint filler shall not get deformed or broken by twisting, bending or other handling when exposed to atmospheric condition. Pieces of joint filler that have been damaged shall be rejected.

Thickness of the pre-moulded joint filler shall otherwise specify.

Pre moulded bituminous joint filler shall conform to I.S. 1838-1961.

#### **M-28 Expansion joints-Copper strips & hold fasts:**

The item provide for expansion joints in R.C.C frame structure for internal joints as well as for exposed joints with the use of necessary copper strip and hold fasts.

Copper sheet shall be of 1.25 mm. thick and of 1.25 mm. width when the 'U' shapes in middle. Copper strips shall have hold fast of 3 mm. diameter copper rod fixed to the plate soldered on strip at intervals of about 30 cm. or as shown in the drawing or as directed. The width of each flange (horizontal side) of the copper plate to be embedded in the concrete work shall be 25 mm. Depth of 'U' to be provided in the expansion joint, in the copper plate shall be of 25 mm.

#### **M-29. Teak wood**

**29.1.** The teak wood shall be of good quality as required for the item to be executed. When the kind of wood is not specifically mentioned, good Indian teak wood as approved shall be used.

**29.2.** Teak wood shall generally be free from large, loose dead or cluster knots, flaws, shakes, warps, twists, bends or any other defects. It shall generally be uniform in substance and of straight fibers as far as possible. It shall be free from rot decay, harmful fungi and other defects of harmful nature which will affect the strength, durability or its usefulness for the purpose for which it is required. The colour shall be uniform as far as possible. Any effort like painting using any adhesive materials made to hide the defects shall render the pieces liable to rejection by the Engineer-in charge.

**29.3.** All scantlings, planks etc., shall be sawn in straight lines and planes in the direction of grains and of uniform thickness.

**29.4.** The tolerances-in the dimensions shall be allowed at the rate of 1.5 mm per face to be planed.

##### **29.5. First class teak wood**

**29.5.1.** First class teak wood shall have no individual hard and-sound knots, more than 6 sq. cm. in size and the aggregate area of such knots shall not be more than 1% of area of piece, The timber shall be closed grained.

##### **29, 6. Second Class Teak Wood:**

**29.6.1.** No individual hard and sound knots shall be more than 15 sq. cms in size and aggregates area of such knots shall be not exceed 2% of the area of piece.

### **M-30. Wooden flush door shutters (solid core)**

**30.1.** The solid core type flush door shutters shall be of decorative or non-decorative type as specified in the drawing. The size and thickness of the shutter shall be as specified in drawings or as directed. The timber species for core shall be used as per I.S.2202 (part -I) 1980. The timber shall be free from decay and insect attack Knots and knot holes less than half the width of cross-section of the members in which they occur may be permitted. Pitch pockets, pitch streaks and harmless pin holes shall be permissible except in the exposed edges of the core members. The commercial plywood, cross-bands shall conform to I.S. 303-1275

**30.2.** The face-panel of the shutters shall be formed by gluing by the hot press process on both faces of the core with either plywood or cross-bands and face veneers. The1 hopping, rebating, opening of glazing, venation etc., shall be provided if specified in the drawing.

**30.3.** All edges of the door shutters shall be square. The shutters shall be free from twist or warp in its plane. Both faces of the shutters shall be sand papered to smooth even texture.

**30.4.** The shutters shall be tested for-

**(1) End immersion test:** The test shall be carried out as per I.S.2202 (part-1) 1980 there shall be no delamination at the end of the test.

**(2) Knife Test:** The face panel when tested in accordance with I.S 1659-1979 shall pass the test.

**(3) Glue adhesion test:** The flush door shall be tested for glue adhesive test in accordance with I S 2202 (part -I) 1980. The shutters shall be considered to have passed the test, if no delamination occurs in the glue lines in the plywood and if no single determination more than 80 mm in length and more than 3 mm in depth has occurred in the assembly glue lines between the plywood face and the style and rail. Delamination at the corner shall be measured continuously around the corner Delamination at the knots, knot hole and other permissible wood defects shall not be considered in assessing the sample.

**30.5.** The tolerance in size of scud core type flush door shall-be as under: In Nominal thickness  $\pm 1.2$  mm. In Nominal height  $\pm 3$ m

**30.6.** The thickness of the shutter shall be uniform throughout with a permissible variation of not more than 0.8 mm when measured at any points.

### **M-31. Aluminium doors, windows, ventilators**

**31.1.** Aluminium alloy used in the manufacture of extruded window sections shall conform to I.S. designation HEAWP of I.S. 733-1975 and also to I S. Designation WVG-WP of I.S 1285-1975 The section shall be as specified in the drawing and design. The fabrication shall be done as directed

**31.2.** The hinges shall be cast or extruded aluminium hinges of same type as in window but of larger size.

**31.3.** The hinges shall normally be of 50 mm. projecting type. Non-projecting type of hinges may also be used if directed. The handles of door shall be of specified design a suitable lock for the door Operable either from outside or inside shall be provided. In double shutter door, the first closing shutter shall have concealed aluminium alloy bolt at top and bottom.

### **M-32. Rolling Shutters**

**32.1.** The rolling shutters shall conform to I.S.6248-1979 Rolling shutters shall be supplied of specified type with accessories. The size of the rolling shutters shall be specified in the drawings. The shutters shall be specified in the drawings. The shutters shall be constructed with interlocking lath sections formed from cold rolled steel strips not less than 0.9 mm. thick and 80 mm. wide for shutters up to 3.5 m .width not less than 1.25 mm. thick and 80 mm wide for shutters 3.5 m. in width and above unless otherwise specified.

**32.2.** Guide channels shall be of mild steel deep channel section and of rolled pressed or built up ( fabricated ) joint less construction The thickness of sheet used shall not be less than 3 15 mm.

**32.3.** Hood covers shall be made of M S. Sheets not less than 0.90 mm. thick. For shutters having width 3.5 Meter and above, the thickness of M.S. sheet for the hood cover shall be not less than 1 25 mm.

**32.4.** The spring shall be of best quality and shall be manufactured from tested high tensile spring steel wire of strip of adequate strength to balance the shutters in all position. The spring pipe shaft etc. shall be supported on strong M S of malleable C I. brackets. The brackets shall be fixed on or under the lintel as specified with-raw! plugs and screws bolts etc.

**32.5.** The rolling shutters shall be of self-rolling up to 8 sqm clear area without ball bearing and up to 12 sqm clear area with ball bearing. If the rolling shutters are larger than gear operated type shutters shall be used.

**32.6.** The locking arrangement shall be provided at the bottom of shutter at both ends. The shutters shall be opened from outside.

**32.7.** The Shutters shall be completed with door suspension shafts, locking arrangements, pulling hooks, handles and other accessories.

### **M-33. Collapsible Steel Gate:**

The collapsible steel gate shall be in one or two leaves and size as per approved drawings or as specified. The gate shall be fabricated from best- quality mild steel channels, flats etc. Either steel pulleys or ball bearing shall be provided in every double channel. Unless otherwise specified the particulars of collapsible gate shall be as under:

(a) Pickets: These shall be of 20 mm. M.S., channels of heavy sections unless otherwise shown on drawings. The distance center to center of pickets shall be 12 cms with an opening of 10 cms

(b) Pivoted M.S. flats shall be 20 mm x 6 mm.

(c) Top and bottom guides shall be from tee or flat iron of approved size. Page 144

(d) The fittings like stoppers, fixing hold fasts, locking cleats, brass handles and cast iron rollers shall be of approved design and size.

### **M-34. Welded Steel Wire Fabric:**

Welded steel wire fabric for general purpose shall be manufactures from cold drawn steel wire “as drawn” or galvanised steel conforming to I.S. 226-1975 with longitudinal and transverse wire securw4ely connected at every intersection by a process of electrical resistance welding and conforming to I.S. 4948-1974. It shall be fabricated and finished in workmanlike manner and shall be free from injurious defects and shall be rust proof. The type of mesh shall be oblong or square as directed. The mesh sizes and size of wire for square as well as oblong welded steel wire fabric shall be as directed. The steel wire fabric in panels shall be in one whole piece in each panel as far as stock size permit.

### **M-35. Expanded Metal Sheets:**

The expanded metal sheets shall be free from flaws, joints, broken strands, laminations and other harmful surface expanded metal steel sheet shall conform to I.S. 412-1975, Except that blank sheets need not be with guaranteed mechanical properties. The size of the diamond mesh of expended metal and dimensions of strands (width and thickness) shall be as specified. The tolerance in nominal weight of expended metal sheets shall be of + 10 percent.

Expanded metal in panels shall be in one whole piece panel each as far as stock size permit. The expanded metal sheets shall be coated with suitable protective coating to prevent corrosion.

### **M-36. Mild Steel Wire (Wire):**

Mild steel wire may be galvanised, as indicated All finished steel wire shall be well cleanly drawn to the dimensions and size of wire as specified in item. The wire shall be sound, free from splits, surface flaws, rough jagged and imperfect edges and other harmful surface defects and shall conform to I.S. 280-1978.

### **M-37. Plywood**

**37.1.** The plywood for general purpose shall conforming I.S. 303-17-1975. Plywood is made by cementing together than boards or starts of wood into panels. There are always an odd number of layers, 3,5,7,9, ply etc. The piles are placed so that grain of each layer is at right angles to the grain in the adjacent level.

**37.2.** The chief advantages of plywood a single board of the same thickness is the more uniform strength of the plywood, along the length and width of the plywood and greater resistance to cracking and splitting with charge in moisture content.

**37.3.** Usually synthetic resins are used to gluing, phenolic resins are usually cured in a hot press which compresses and simultaneously heats the plies between hot plates which maintain a temperature of 90 degree C to 140 degree C and a pressure of 11 to 14 Kg/ Sq. Cm on the wood. The time of heating may be anything from 2 to 60 minutes depending upon thickness

**37.4.** When water glue is used the wood absorbs so much water that the finished plywood must be dried carefully. When synthetic resins are used as adhesive the finished plywood must be exposed to an atmosphere of controlled humidity until the proper amount of moisture has been absorbed.

**37.5.** According to I.S. 303-1975 the plywood for general purpose shall be of the grades namely BWR, WWR and CWR depending up to the adhesives used for bonding the veneers and it will be further classified into six types namely AA, AB, AC, BB, BC and CC based on the quality of the two faces each face being of three kinds namely A, Band C After pressing, the finished plywood should be reconditioned to a moisture content not less than 8 percent and not more than 16 percent.

### **M-38. Glass**

**38.1.** All glass shall be of the brief quality, free from specks, bubbles, smokes veins, air holes blisters and other defects. The kind of glass to be used shall be as mentioned in the item or specification or in the special provision or as shown in detailed drawings. Thickness of glass panes shall be uniform. The specifications for different kinds of glass shall be as under.

#### **38.2. Sheet Glass**

**38.2.1.** In absence of any specified thickness or weight in the item or detailed specifications of the item of work, sheet glass shall be weighing 7.5 Kg/sqm for panes up to 600 mm x 600 mm.

**38.2.2.** For panes larger than 600 mm x 600 mm and up to 800 mm x 800 mm the glass weighing not less than 8.75 Kg/Sqm shall be used For bigger panes up to 900 mm x 900 mm. glass weighing not less than 8.75 Kg/Sq. m shall be used. For bigger panes up to 900 mm x 900 mm. glass weighting not less than 11.25 Kg/Sq. m. shall be used

**38.2.3.** Sheet glass shall be patent flattened glass of best quality and for glazing and framing purposes shall conform to I.S. 1761-1960. Sheet glass of the specified colours shall be used, if so shown, on detailed drawings or so specified For important buildings and for panes with any dimension over 900 mm plate glass of specified thickness shall be used

#### **38.3. Plate Glass:**

**38.3.1.** When plate glass is specified it shall be "polished patent plate glass" of best quality It shall have both the surface ground flat and parallel and polished to obtain clear undisturbed vision and reflection The plate glass shall be of the thickness mentioned in the item or as shown in the detailed drawing or as specified. In absence of any specified thickness, the thickness of plate glass to be supplied shall be 6 mm and a tolerance of 0.20 mm shall be admissible

#### **38.4. Obscured Glass:**

**38.4.1.** This type of glass transmits light so that vision is partially or almost completely obscured. Glass shall be plain rolled, figured, ribbed or fluted, or frosted glass as may be specified as required. The thickness and type of glass shall be as per details on drawings or as specified or as directed

#### **38.5. Wired Glass:**

**38.5.1.** Glass shall be with wire netting embedded in a sheet of planet glass. Electrically welded 13 mm Georgian square mesh shall be used Thickness of glass shall not be less than 6 mm Wired glass shall be of type and thickness as specified.

### **M-39. Acrylic Sheets**

**39.1.** Acrylic sheets shall be of thickness as specified in the item and of an specified shape and size as the case may be panels may be flat or curved It should be light in weight it shall be colourless or coloured or opaque as specified in the item. Colourless sheet shall be as transparent as the finest optical glass. Its light transmission rate shall be about 95% Transparency shall not be affected for the sheets of larger thickens, it shall be extremely resistant to sunlight weather and low temperatures. It shall not show any significant yellowing or change in physical properties or loss of light transmission over a longer period of use. The sheet shall be impact resistant also Sheets should be of such quality that they can be cut, bent jointed as desired Solution for the joints shall be used as per the requirement of manufacturer.

### **M-40. Particle board:**

The particle boards used for face panels shall be of best quality free from any defects. The particle boards shall be made with phenolmaldehyde adhesive. The particle boards shall conform to I.S. 3087-1965. "Specification for wood particle board for general purpose". The size and the thickness shall be as indicated.



**M-41. Expanded polystyrene of framed stopper slabs:**

The expanded polystyrene ceiling boards and tiles shall be approved make and shall be of size, thickness, finish and colour as indicated. It shall be of high density and suitable for use as insulating material. The insulating material shall be like slab of Thermocol etc.

**M-42. Resin bonded fibre glass:**

The resin bonded fibre glass tiles, or rolls shall be of approved make and shall be of sizes, thickness and finish as indicated. For test of Minerrak wool thermal insulation Blanket I.S.: 3144:1965 shall be followed. Insulation wool blanket shall be with following coverings on one or both sides as indicated.

- Bituminised hessian Kraft paper for keeping out dust.
- Hessian cloth or Kraft paper for keeping out dust.
- G.I. wire netting, suitable for surface to be plastered over.

**M-43. Fixtures and fastenings:****General**

The fixtures and fastenings, that is, butt, hinges, tee and strap hinges sliding door bolts, tower bolts, door latch, bath room latch, handles, door stoppers, casement window fasteners, casement stays and ventilators catch shall be made of the metal as specified in the item or its specifications.

They shall be of iron, brass, aluminium, chromium plated iron chromium plated brass, copper oxidised iron, copper oxidised brass or anodized aluminium as specified.

The fixtures shall be heavy, Medium or light type. The fixtures and fastenings shall be smooth finished and shall be such as will ensure ease of operation. The samples of fixtures and fastenings shall be got approved as regards quality and shape before providing them in position.

Brass and anodised aluminium fixtures and fastenings shall be bright finished.

**Holdfasts:**

Holdfasts shall be made from mild steel flat 30 cm. lengths and one of the holdfasts shall be bent at right angle and two nos. of 6 mm. diameter holes shall be made in it for fixing it to the frame with screws. At the other end. The holdfast shall be forked and bent at right angles in opposite directions.

**Butt hinges:**

Railway standard heavy type butt hinges shall be used when so specified. The strap hinges shall be manufactured from M. S. Sheet.

**Siding door bolt (Al Drops):**

The Aldrops as specified in the item shall be used and shall be got approved.

**Tower bolts (Barrel Type):**

Tower bolts as specified in the item shall be used as shall be used and shall be got approved.

**Door Latch:**

The size of door latch shall be taken as the length of latch.

**Bathroom Latch:**

Bathroom latch shall be similar to tower bolt.

**Handle:**

The size of the handles shall be determined by the inside grip length of the handles.

Handles shall have a base plate of length 50 mm more than size of the handle.

**Door Stopper:**

Door stoppers shall be either floor door stopper type or door catch type floor stopper shall be of overall size as specified as shall have rubber cushion.

**Door Catch:**

Door catch shall be fixed as height of about 900 mm from the floor level so that one part of the catch is fitted on the inside of the shutter and the other part is fixed in the wall with necessary wooden plug arrangements for appropriate fixate.

**Wooden Door stops with highs:**

Wooden door stop of size 100mm X 60 mm X 40 mm shall be fixed on the door frame with a high of 75 mm size at high of 900 mm from the floor level the wooden door stop shall be provided with 3 coats of approved oil paint.

**Casement window fastener:**

Casement window fastener for single leaf window shutter shall be left or right handled as directed.

**Casement stays (straight peg stay):**

The stays shall be made from a channel section having three holes at appropriate position so that the window can be opened either fully or partially as directed. Size of the stay shall be 250 mm to 300 mm as directed.

Ventilator catch:

The pattern and shape of the catch shall be as approved.

Pivot:

The base and socket plate shall be made from minimum 3 mm thick plate and projected pivot shall not be less than 12 mm length and shall be firmly riveted to the base plate in case of brass pivot.

#### **M-44 Paints:**

##### **44.1 (A) Oil Paints:**

**44.1.1** Oil paints shall be of the specified colour and shade, and as approved. The ready mixed paints shall only be used. However, if ready mixed paint or specific shade or tint is not available, white ready mixed paint with approved strainer will be allowed. In such a case, the contractor shall ensure that the shade of the paint so allowed shall be uniform.

**44.1.2** All the paints shall meet with following general requirements:

(i) Paint shall not show excessive setting in a freshly opened full can and shall easily be dispersed with a paddle to a smooth homogeneous state. The paint shall show no curdling, levering, caking or colour separation and shall be free from lumps and skins.

(ii) The paint as received shall brush easily, possess good leveling properties and show no running or sagging tendencies.

(iii) The paint shall not skin within 48 hours in a three quarters filled closed container.

(iv) The paint shall dry to a smooth uniform finish free from roughness, grit, unevenness and other imperfections.

**44.1.3** Ready mixed paint shall be used exactly as received from the manufactures and generally according to their instructions and without any admixtures whatsoever.

#### **M45. French polish:**

The French polish of requirement and shape shall be prepared with the below mentioned ingredients and other necessary materials:

- (i) Denatured spirit of approved quality (ii) Chandras (iii) Shellac (iv) Pigment. The French polish so prepared shall conform to I.S. : 348-1968.

#### **M46. Marble chips for marble mosaic terrazzo:**

The marble chips shall be of approved quality and shades. It shall be hard, sound, dense and homogenous in texture with crystalline and coarse grains. It shall be uniform in colour and free from stains, cracks decay and weathering.

The size of various colours of marble chips of approved quality and colours only as per grading as decided by the Engineer-in-charge shall be used for marble mosaic tiles or works.

The marble chips shall be machine crushed. They shall be free from foreign matter, dust etc. Except as above, the chips shall conform to I.S.: 2114-1962.

#### **M-47. Flooring Tiles**

##### **47.1. (A) Plain Cement tiles;**

**47.1.1.** The plain cement tiles shall be of general purpose type. These are the tiles in the manufacture of which no pigments are used. Cement used in the manufacture of tiles shall be as per Indian Standards.

**47.1.2.** The tiles shall be manufactured from a mixture of cement and natural aggregates by pressure. Process. During manufacture the tiles shall be subjected to pressure of not less than 140 Kg/Sq. Cm. The proportion of cement to aggregate in the backing of the tiles shall be not less than 1 : 3 by weight. The wearing face, through the tiles are of plain cement, shall be provided with stone chips of 1 to 2 mm. size. The proportions of cement to aggregate in the wearing layer of the tiles shall be three parts of cement to one parts chips by weight. The minimum thickness of wearing layer shall be 3 mm. The colour and texture of wearing layer shall be uniform throughout its face and thickness. On removal from mould, the tiles shall be kept in moist condition continuously at least for

seven days and subsequently, if necessary, for such long period as would ensure their conformity to requirements of I.S.1237-1980 regarding strength resistance to wear and water absorption.

**47.1.3** The wearing face of the tiles shall be plane, free from projections, depressions and cracks and shall be reasonably parallel to the back face of the tile. All angles shall be right angle and all edges shall be sharp and true.

**47.1.4.** The size of tiles generally is square shapes 24.85 Cm x24.85 Cm. or 25 Cm x 25 Cm The thickness of tiles shall be 20 mm.

**47.1.5.** Tolerance of length and breadth shall be plus or minus one millimetre Tolerance on thickness shall be plus 5mm.

**47.1.6.** The tiles shall satisfy the tests as regards transverse strength, resistance to wear and water absorption as per I.S 1237-1980.

**47.2. (B) Plain Coloured Tiles:**

**47.2.1.** The tiles shall have the same specification as for plain cement tiles as per (A) above except that they shall have a plain wearing surface wherein pigments are used. They shall conform to I.S. 1237-1980.

**47.2.2.** The pigments used for colouring cement shall not exceed 10 percent by weight of cement used in the mix. The pigments, synthetic or otherwise, used for colouring tiles shall have permanent colour and shall not contain materials detrimental to concrete

**47.2.3** The colour of the tiles shall be specified in the item or as directed

**47.3. (C) Marble mosaic tiles:**

**47.3.1.** These tiles have same specification as per plain cement tiles except the requirements as stated below

**47.3.2.** The marble mosaic tiles shall conform to I.S 1237-1980. The wearing face of the tiles shall be mechanically ground and filled. The wearing face of tiles shall be free from projections depressions and cracks and shall be reasonably parallel to the back face of the tiles. All angles shall be right angles and all edges shall be sharp and true.

**47.3.3.** Chips used in the tiles be from smallest up to 20 mm. size. The minimum thickness of wearing layer of tiles shall be 6 mm. For pattern of chips to be had on the wearing face; a few samples with or without their full size photographs as directed shall be approved by the Engineer-in-charge, for approval.

**47.3.4.** Any particular samples if found suitable shall be approved by the Engineer-in-charge, or he may ask for a few more samples to be presented The samples shall have to be made by the contractor till a suitable sample is finally approved for use in the work. The Contractor shall ensure that the tiles supplied for, the work shall be in conformity with the approved sample only, in terms of its dimensions, thickness of backing layer and wearing surface, materials, ingredients, colour, shade, chips, distribution etc. required.

**47.3.5.** The tiles shall be prepared from cement conforming to Indian Standards or coloured portland cement generally depending upon the colour of tiles to be used or as directed.

**47.4. (D) Chequered Tiles:**

**47.4.1.** Chequered tiles shall be plain cement tiles or marble mosaic tiles. The former shall have the same specification as per (A) above and the latter as per marble mosaic tiles as per (C) except as mentioned below

**47.4.2.** The tiles shall be of nominal size of 250 mm. x 250 mm. or as specified. The centre to centre distance of chequer shall not be less than 25 mm. and not more than 50 mm. The overall thickness of the tile shall be 22 mm

**47.4.3.** The grooves in the chequers shall be uniform and straight. The depth of the grooves shall not be less than 3 mm. The chequered tiles shall be plain coloured or mosaic as specified the thickness of the upper layer measured from the top of the chequers shall not be less than 6 mm. The tiles shall be given the first grinding with machine before delivery to site

**47.4.4.** Tiles shall conform to relevant I.S 1237-1980. 47.5.

**(E) Chequered Tiles For Stair Cases:**

**47.5.1.** The requirements of these tiles shall be the same as chequered tiles as per (D) above except in following respects:

- (1) The length of a tile including nosing shall be 300 mm
- (2) The minimum thickness shall be 28 mm
- (3) The nosing shall have also the same wearing layer as at the top.
- (4) The nosing edge shall be rounded
- (5) the front portion of the tile for a minimum length of 75 mm. from and including the nosing

shall have grooves running parallel to nosing and at centres not exceeding 25 mm. Beyond that the tiles shall have normal chequer pattern.

#### **M-48. Rough Kotah Storm**

**48.1.** The Kotah stones shall be hard even, sound, and regular in shape and generally uniform in colour. The colour of the stone shall generally be green. Brown coloured shall not be allowed for use. They shall be without any soft veins, cracks or flaws.

**48.2.** The size of the stones to be used for flooring shall be of size 600 mm x 600 mm and/or size 600 mm. x 450 mm as directed. However smaller sizes will be allowed to be used to the extent of maintaining required pattern. Thickness shall be as specified.

**48.3.** The edges of minus 30 mm on accounts of chisel dressing of edges shall be permitted for length as well as breadth. Tolerance in thickness shall be + 3 mm.

**48.4.** The edges of stones shall be truly chiselled and table rubbed with coarse sand before paving. All angles and edges of the stones shall be true, square and free from chipping and surface shall be true and plain.

**48.5.** When machine cut edges are specified, the exposed and the edges at joints shall be machine cut. The thickness of the exposed machine cut edges shall be uniform.

#### **M-49. Polished Kotah Stones**

**49.1.** Polished kotah stone shall have the same specification as per rough kotah stone except as mentioned below.

**49.2.** The stones shall have machine polished surface. When brought on site, the stones shall be single polished or double polished depending upon its use. The stones for paving shall generally be single polished. The stones to be used for dado, skirting, sink, veneering, sills steps etc. where machine polishing after the stones are fixed in situ is not possible shall be double polished.

#### **M-50. Dholpur Stone Slab:**

Dholpur stone slab shall be of best qualities approved by the Engineer-in-charge, the stone slab shall be even, sound and durable, regular in shape and of uniform colour.

The size of the stone shall be specified in the item or detailed drawings or as approved by the Engineer-in-charge. The thickness of the stone shall be as specified in the item of work with the permissible tolerance of plus or minus 2 mm. The provisions in respect of polishing as for polished Kotah stone shall apply to polished Dholpur stone also. All angles and edges of the face of the stone slab shall be fine chiseled or polished as specified in the item of work and all the four edges shall be machine cut. All angle and edges of the stone slab shall be true and plane.

The sample of stone shall be got approved from the Engineer-in-charge for shade and tint for a particular work. It shall be ensured that stones to be used in a particular work shall not differ much in shade or tint from the approved sample.

#### **M-51. Marble Slab:**

Marble slab shall be white or of other colour and of best quality as approved by the Engineering-charge.

Slabs shall be hard, uniform and homogeneous in texture. They shall have even crystalline grain and free from defects and cracks. The surface shall be machine polished to an even and perfectly plane surface and edges machine cut true and square. The rear face shall be rough to provide key for the mortar.

Marble slabs with natural veins, if selected shall have to be laid as per the pattern given by the Engineer-in-charge. Size of the slab shall be minimum 450mm x 450mm. and preferable 300 mm x 600 mm. However, smaller sizes will be allowed to be used to the extent of maintaining required pattern.

The slab shall not be thinner than the specified thickness at its thinnest part. A few specimen of finished slab to be used shall be deposited by the Contractor in the office for reference. Except as above, the marble slabs shall conform to I.S. 1130-1969.

#### **M-52. Granite Stone slab**

**52.1.** Granite shall be of approved colour and quality. The stone shall be hard, even sound and regular in shape and generally uniform in colour. It shall be without any soft veins, cracks or flaws.

**52.2.** The thickness of the stone shall be specified in items

**52.3.** AH exposed faces shall be double polished to tender truly smooth and even reflecting surface. The exposed edges and corners shall be rounded off as directed The exposed edges shall be machine cut and shall have uniform thickness.

### **M53. P.V.C. Flooring:**

P.V.C sheets for P.V.C. floor covering shall be homogeneous flexible type, conforming to I.S. 3452-1966. The P.V.C covering shall neither develop any toxic effect while put to use nor shall give off any disagreeable order. Thickness of flexible type covering tiles shall be as specified in the description of the item.

The flexible type shall be backed with Hussein or other woven fabric. The following tolerances shall be applicable on the nominal dimension of the sheet rolls or tiles:

\* Thickness + 0.15 mm

\* Length or Width:

300 mm. square tiles + 0.20 mm. 39.00 mm.square tiles +0.30 mm.

600 mm. square tiles + 0.40 mm. 4 Sheets ad rolls +0.10 percent

Adhesive:

The adhesive for PVC flooring shall be of the type and make recommended by the manufactures of PVC sheets/tiles.

### **M-54. Facing tiles:**

The facing tiles (burnt clay facing bricks) shall be free from cracks, flaws and nodules of free lime. They shall be thoroughly burnt and shall have plane rectangular faces with parallel sides and sharp straight right edged faces. The texture of the finished surface that will be exposed when in place shall conform to an approved sample consisting not less than four stretcher bricks each representing the texture desired. The facing tiles shall have a pleasing appearance, sufficient resistance to penetration by rain and greater durability than common bricks. The tiles shall conform to I.S. 2691-1972.

The standard size of facing brick tiles shall be 19 x 9 x 4 cms The facing brick tiles shall be provided with frog which shall conform to I.S. 1077-1976.

The permissible tolerance in dimensions specified above shall be as follows : Size Tolerance for

	1 st class Brick	2nd class Brick
19 cm.	+ 6 mm.	+ 10 mm.
9 cm.	+ 3 mm.	+ 7 mm.
4 cm.	+1.5 mm	+ 3 mm.

The tolerance for distortion or war page of face or edges of individual brick from a plane surface and from a straight line respectively shall be as follows: Facing dimensions

Permissible tolerance

Max. Below 19 cms

Max. 2.5 mm. -do- above 19 cm. Max 3.0 mm.

The average compressive strength obtained as sample of five tiles when tested in accordance with the procedure laid as per I.S. 1077-1976 shall be not less than 175 Kg./Sq. Cm. The average compressive strength of any individual bricks shall be not less than 160 Kg/sqcm The average water absorption for five bricks tiles shall not exceed 12 percent of average weight of brick before testing. The absorption for each individual bricks shall not exceed 25 percent. The brick tiles when tested in accordance with I.S. 1077-1976, the rate of efflorescence shall not be more than 'Slightly effloresced.

### **M-55. White glazed tiles:**

The tiles shall be of best quality as approved by the Engineer-in-charge. They shall be flat and true to shape. They shall free from cracks, crazing, spots chipped edges and corners. The glazing shall be of uniform shade.

The tiles shall be nominal size of 150 mm x 150 mm. unless otherwise specified. The maximum variation from the stated sizes, other than the thickness of tile, shall be plus or minus 1.5 mm. The thickness of tile shall be 6 mm except as above the tiles shall conform to I.S. 777-1970.

### **M-56. Galvanised from pipes and fittings**

**56.1.** Galvanised iron pipes shall be of the medium type and of required diameter and shall comply with I.S. 1239- 1979. The specified diameter of the pipes shall refer to the inside diameter of the bore. Clamps, screw and all galvanised iron fittings shall be of the standard ' R ' or equivalent make

**M-57. Bib cock and stop cock**

**57.1.** A bib cock is a draw off tap with a horizontal inlet and free outlet A stop cock is a valve with suitable means of connection for insertion in a pipe line for controlling or stopping the flow

**57.2.** They shall be of screw down type and of brass chromium plated and of diameter as specified in the description of the item. They shall conform to I S. 781-1977 and they shall be of best Indian make. They shall be polished bright.

**M-58. Gun metal wheel valve**

**58.1.** The gun metal wheel valve shall be of approved quality. These shall be of gun metal fitted with wheel and shall be of gate valve opening full way and of the size specified. These shall conform to I.S. 778-1971.

**M-59. White glazed porcelain wash basin**

**59.1.** Wash basin shall be of white porcelain first quality best Indian make and it shall conform to I.S. 2556 (Part -IV) -1972 and I.S. 771-1979. The size of the wash basin shall be as specified in item. Wash basin shall be of one piece construction with continued over flow arrangements All internal angles shall be designed so as to facilitate cleaning. Wash basin shall have single tap hole as specified. Each basin shall have a circular waste hole which is either riveted or bevelled internally with 65 mm. diameters at top and 10 mm. depths to suit the waste fitting. The necessary stud slot to receive the bracket on the underside of the basin shall be provided Basin shall have an internal soap holder which shall fully drain into the bowl.

**59.2.** White glazed pedestal of the quality and colour as that the basin shall be provided where specified in the item. It shall be completely recessed at the back for reception of supply and wash pipe. It shall be capable of supporting the basin rigidly and adequately and shall be so designed as to make the height from the floor the floor to top of the rim of basin 750 mm. To 800 mm. as directed.

**M-60. European type water closet/with low flushing**

**60.1.** The European type water closet shall be white glazed porcelain first quality and shall be of wash down type conforming to I.S. 2556-1973 and I.S. 771-1979

**60.2.** 'S' trap shall be provided as required with water seal not than 50 mm. The solid plastic seat and cover shall be of best Indian make conforming to I.S 2548-1980. They shall be made of moulded synthetic materials which shall be tough and hard with high resistance to solvents and shall be free from blisters and surface defects and shall have chromium plated brass hinges and rubber buffer of suitable size.

**M-61. Orrissa type water closet**

**61.1.** The Specification of Orrissa type white glazed water closet of first quality shall conform to I.S. 2256 (Part-III) -1981 and relevant specification of Indian type water closet except that pan will be with the integral squatting pan of size 580 mm x 400 mm with raised footrest.

**M-62. Indian type water closet**

**62.1.** The Indian type white glazed water closet of first quality shall be of size as specified in the item and conforming to I.S. 771-1979 and I.S. 2556 – (Part-II) 1981. Each pan shall have integral flushing. It shall also have an inlet at back and/or front for connecting flush pipes as directed. The inside of the bottom of the pan shall have sufficient slope from the front towards the outlet and surface shall be uniform and smooth. Pan shall be provided with 100 mm. diameter 'P' or 's' trap with approximately 50 mm. Water seal and 50 mm. diameter vent horn.

**M-63. Glazed Earthen Ware Sink:**

The glazed earthen-ware sink shall be specified size colour and quality. The sink shall conform to I.S. 771 Part-II-1979 waste coupling of standard pattern with brass chain and rubber plug shall be provided with sink.

The pipes shall conform to I.S. 1239-Part-I 1973 and I.S. 404-1962 for steel and lead pipes respectively 32 mm. brass waste coupling of standard pattern with brass chain and rubber plug shall be provided with sink.

**M-64. Glazed earthen ware Lipped type flat back urinal/corner type urinal:**

The lipped type urinal shall be flat back or corner type as specified in the item and shall conform to I.S. 771-1979. It shall be of best Indian make and size as specified and approved by the Engineer-in-charge. The flat back or corner type urinal must be 1st quality free from any defects, cracks, etc.

**M-65. Low level Enamel flushing tank**

**65.1.** The low level enamel flushing tank shall be of 15 liters capacity. It shall conform to I S 774-1971. The flushing cistern shall be of best quality and free from any defects. The flushing tank shall have outlet 32 mm. diameter. The outlet shall be connected with W.C. pan by lead pipe or P.V.C. pipe as specified. The flushing tank shall be provided with inlet and outlet for fixing G.I. inlet pipes and over-flow pipes. The flushing cistern shall be provided with chromium plated handle for flushing. The flushing tank shall be provided with bracket of cast iron so that it can be fixed on wall at specified height. The brackets shall conform to I.S. 775-1970.

**M-66. Cast iron flushing cistern:**

The cast iron flushing cistern shall be of 15 liters capacity. It shall conform to I.S. 774-1971. The flushing cistern shall be of best quality free from any defects. The flushing cistern shall have outlet of 32 mm. diameter. The outlets shall be connected to lead pipe of 32 mm. diameter. The lead pipe shall conform to I.S. 404 (Part-I) 1962. For fixing G.I. inlet pipes and overflow pipe 20 mm. diameter. inlet and outlet shall be provided. The flushing cistern shall be provided with galvanised iron chain and pull of sufficient length and shall be got approved from the Engineer-in-charge. The cast iron flushing cistern shall be painted with one coat of anticorrosive paint and two coats of paints. The flushing cistern shall be fixed on two C.I. brackets. The C.I. brackets shall conform to I.S. 775-1970.

**M-67. Flush cock:**

Half turn flush cock (Heavy Weight) shall be of gun metal chromium plated of diameter as specified in the description of the item. The flush cock shall conform to relevant Indian Standard.

**M-68. Cast iron pipes and fittings:**

All soil waster, vent and antisiphonage pipes and fittings shall conform to I.S. 1729-1964. The pipe shall have spigot and socket ends with head on spigot end. The pipes and fittings shall be true to shape, smooth, cylindrical, their inner and outlet surfaces being as nearly as practicable concentric. They shall be sound and nicely cast and shall be free from cracks, laps, pinholes or other imperfection and shall be neatly dressed and carefully fettled.

The end of pipes and fittings shall be of reasonable square to their axis.

The sand cast iron pipes shall be of the diameter as specified in the description and shall be in lengths of 1.5 M, 1.8 M. and 2 M. including socket ends of the pipe unless shorter lengths are either specified or required at junctions etc. The pipes and fittings shall be supplied without ears unless specified or directed otherwise.

Tolerances.

The Standard weights and thickness of pipes shall be as shown in the following table : A tolerance up to minus 10 percent may however be against these standard weights.

Sr no	Nominal	Thickness		Overall weight of pipe excluding ear	
1			1.5m long	1.8m long	2m long
2	75mm	50mm	12.83 kg	16.52 kg	18.37 kg
3	100mm	5mm	18.14 kg	21.67 kg	24.15 kg

Tolerance up to minus 15 percent in thickness and 20 mm. in length will be allowed. For fittings tolerance in lengths shall be plus 15 mm. and minus 10 mm.

The thickness of fittings and their socket and spigot dimensions shall conform to the thickness and dimensions specified for the corresponding sizes of straight pipes. The tolerances in weights and thickness shall be the same as for straight pipes.

**M-69. Nahni Trap**

**69.1.** Nahni trap shall be of cast iron and shall be sound and free from porosity or other defects which affect serviceability. The thickness of the base metal shall not be less than 6.5 mm. The surface shall be smooth and free from craze, chips and other flaws or any other kind of defects which affect serviceability. The size of nahni trap shall be specified and shall be of self-cleaning design.

**69.2.** The Nahni trap shall be of quality approved by the Engineer-in-charge and shall generally conform to the relevant Indian Standards.

**69.3.** The Nahni trap provides shall be with deep seal, minimum 50 mm. except at places where trap with deep seal cannot be accommodated. The cover shall be cast iron perforated cover shall be provided on the trap of appropriate size.

**M-70. Gully Trap**

**70.1.** Gully trap shall conform to I.S. 651-1980. It shall be free from defects such as fire-cracks or hair cracks. The glaze of the traps shall be free from crazing. They shall give a sharp clear note when struck with light hammer. There shall be no broken blisters.

**70.2.** The size of the gully trap shall be as specified in the item.

**70.3.** Each gully trap shall have one C.I. grating of square size corresponding to the dimensions, of inlet of gully trap. It will also have a water tight C.I. cover with frame inside dimensions 300 mm. x 300 mm. the cover with frame inside dimensions 300 mm. x 300 mm. the cover and weighing not less than 4.53 Kg. and the frame not less than 2.72 Kg. The grating cover and frame shall be of sound and good casting and shall have truly square machined seating faces.

**M-71. Glaze Stone Ware Pipe And Fitting:**

The pipes and fittings shall be of best quality as approved by the Engineer-in-charge. The pipe shall be of best quality manufactured from stone-ware of fire clay, salt glazed thoroughly burnt through the whole thickness, of a close even texture, shall be smooth and perfectly glazed. The pipe shall be capable to withstand pressure of 1.5 mm. lead without showing sign of leakage. The thickness of the wall shall not be less than 1/12th of the internal dia. The depth of socket shall not be less than 38 mm. The socket shall be sufficiently large to allow a joint of 1 mm. around the pipe.

The pipes shall generally conform to relevant I.S. 651-1980.

**M-72. Wall Peg Rail:**

The aluminium wall peg rail shall have three aluminum pegs of approved quality and size. It shall be fixed on teakwood plant of size 450 mm. x 75 mm. x 20 mm. The teakwood shall be French polished or oil painted as specified.

**M-73. G.I. Water Spot:**

The G.I. pipes of 40 mm. dia shall be of medium quality and specials shall be of 'R' brand or equivalent brand of best approved quality.

The pipe shall have length as required for the thickness of wall in which it is fixed and at the outside end tee and bend cut at half the length shall be provided and at other end coupling shall be provided to have better fixing. The water spout shall be provided as per detailed drawings or as directed.

**M-74. Asbestos Cement Pipe (A.C. Pipe):**

The asbestos cement pipe of diameter as specified in the description of the item shall conform to I.S. 1626-1980. Specials like bends, shoes cowl, etc. shall conform to relevant Indian Standards. The interior of pipe shall have a smooth finish, regular surface and regular, internal diameter. The tolerance in all dimensions shall be as per I.S. 1626-Part-I 1980. \

**M-75. Crydon Ball valve:**

Ball valve of screwed type including polyethylene float and necessary lever etc. shall be of the size as mentioned in the description of item and shall conform to I.S. 1703-1977.

**M-76. Bitumen Felt For Water Proofing And Damp Proofing:**

Bitumen felt shall be on the fiber bases and shall be type 2, self-finished grade- 2 and shall conform to I.S. 1322-1970.



**M-77. Selected Earth**

**77.1.** The selected earth shall be that obtained from excavated material or shall have to be brought from outside as indicated in the items. If item does not indicate anything the selected earth shall have to be brought from outside.

**77.2.** The selected earth shall be good yellow soil and shall be got approved from the Engineer-in-charge. In no case black cotton soil or similar expansive and shrinkable soil shall be used. It shall be clean and free from all rubbish and perishable materials, stones or brick bats. The clods shall be broken to a size of 50 mm or less. Contractor shall make his own arrangement at his own cost for land for borrowing selected earth. The stacking of material shall be done as directed by the Engineer-in-charge in such a way not to interfere with any construction activities and in proper stacks.

**77.3.** When excavated material is to be used only selected stuff got approved from the Engineer-in-charge shall be used. It shall be stacked separately and shall, comply with all the requirements of selected earth mentioned above.

**M-78. Barbed Wire:**

The barbed wire shall be of galvanised steel and it shall generally conform to I.S. 278-1978. The barbed wire shall be of type-I whose nominal diameter for line wire shall be 2.5 mm. and point wire 2.24 mm. The nominal distance between two bars shall be 75 mm. unless otherwise specified in the item. The barbed wire shall be formed by twisting together two line wires, One containing the barbs. The size of the line and point wires and barb spacings shall be as specified above. The permissible deviation from the nominal diameter of the line wire and point wire shall not exceed + 0.08 mm.

The barbs shall carry four points shall be formed by twisting two point wires each two turns, lightly round one line wire, making altogether four complete turns. The barbs shall be so finished that the four points are set and locked at right angles to each other. The barbs shall have a length of not less than 13 mm. and not more than 18 mm. The points shall be sharp and cut at an angle not greater than 35 degree of the axis of the wire forming the barbs. The line and point wire shall be circular section free from scale and other defects and shall be uniformly galvanised. The line wire shall be in continuous length and shall not contain any weld other than those in the rod before it is drawn. The distance between two successive splices shall not be less than 15 meters.

The lengths per 100 Kg. of barbed wire I.S. type I shall be as under Nominal 1000 meter Minimum 834 Meter Maximum 1066 Meter.

**M-79. Fly Ash Bricks:**

**79.1** The fly ash bricks shall be confirm with (IS 13757:1993)

**79.2** Only bricks of one standard size shall be used on one work. The following tolerances shall be permitted in the conventional size adopted in a particular work.

**79.3** Length: 1.8 (3.0 mm.) Width: 1/6 " (1.51 mm.) Height: 1/6" 1.50 mm.)

**79.4** The crushing strength of the bricks shall not be less than 50 Kg./Sq.Cm. The average water absorption shall not be more than 20 percent by weight. Necessary tests for crushing strength and water absorption etc. shall be carried out as per I.S 13757:1993/IS 2541:1991

	<b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b> <b>Bhavnagar Lignite Thermal Power Station</b> <b>At &amp; PO: Padva, Ta: Ghogha, Dist: Bhavnagar – 364050.</b> e-mail: <a href="mailto:cebltps.gsecl@gebmail.com">cebltps.gsecl@gebmail.com</a> , Website: <a href="http://www.gsecl.in">www.gsecl.in</a> , CIN: U40100GJ1993SGC019988	
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## **ITEM SPECIFICATION**

### **Item No: 1**

Providing and fixing nozzles by drill bit of minimum 100mm to 150mm depth and fixing self-expanding steel packers with non-returnable valve assembly of 10mm dia. at critical location and at the damaged weak point of RCC. Providing polyurethane low viscous pressure grouting by using approved quality material only of Redwop chemicals or Krishna conchem products private ltd or Asin Paints Lts or Sika or Xypex or Cico or Fosrock make pressure grouting shall be done with heavy pressure pump by injecting the PU material in sealed packers for arresting the leakages seepage water by PU injection gun at grouting pressure range minimum about 25 Kg/cm<sup>2</sup>, injecting till the refusal by allowing properties etc. The rate of work is includes all tools, tackles, scaffoldings, labours, risks, safety precautions etc. completed as directed by E.I.C.

Item specification is as per item description and as directed by EIC. Material should be approved by EIC before procure.

Rate quoted shall be including all materials, labour, tools, tackles, and auxiliaries required for the executions of the items etc. as per item.

### **Mode of measurements:**

The work shall be measured in No.

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## SECTION–H

### ❖ SCHEDULE - B

	<b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b> <b>Bhavnagar Lignite Thermal Power Station</b> <b>At &amp; PO: Padva, Ta: Ghogha, Dist: Bhavnagar – 364050.</b> e-mail: <a href="mailto:cebltps.gsecl@gebmil.com">cebltps.gsecl@gebmil.com</a> , Website: <a href="http://www.gsecl.in">www.gsecl.in</a> , CIN: U40100GJ1993SGC019988	
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### SCHEDULE-B

**NAME OF WORK: - PU Grouting work at various locations in plant premises at BLTPS, Padva.**

Sr. No	Description	Qty.	Unit
1	Providing and fixing nozzles by drill bit of minimum 100mm to 150mm depth and fixing self-expanding steel packers with non-returnable valve assembly of 10mm dia. at critical location and at the damaged weak point of RCC. Providing polyurethane low viscous pressure grouting by using approved quality material only of Redwop chemicals or Krishna conchem products private ltd or Asin Paints Lts or Sika or Xypex or Cico or Fosrock make pressure grouting shall be done with heavy pressure pump by injecting the PU material in sealed packers for arresting the leakages seepage water by PU injection gun at grouting pressure range minimum about 25 Kg/cm <sup>2</sup> , injecting till the refusal by allowing properties etc. The rate of work is includes all tools, tackles, scaffoldings, labours, risks, safety precautions etc. completed as directed by E.I.C.	300.00	No.

**SIGNATURE OF CONTRACTOR**  
**ADDRESS AND SEAL**

**A.C.E. (Gen.) - STATION HEAD**  
**BLTPS, Padva.**