GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED

GETCO

TRANSMISSION CIRCLE - JAMBUVA

TENDER NO. - JTC/26-27/n-180

Name of work : **Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle.**

TECHNICAL SPECIFICATION

(to be submitted on line through n-code only)

GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
Office: Transmission Circle Office, Jambuva, Vadodara – 390014.
Telephone No-(0265)2642997 Fax No-(0265) 2640119
Web site: www.getcogujarat.com Email: setrjambuva.getco@gebmail.com
Regd. Office: Sardar Patel Vidyut Bhavan, Race Course, vadodara-390007
Corporate Identity No (CIN) :- U40100GJ1999SGC036018
Tele. No. (0265) 23230583-86 / Fax No. (0265) 23380238 - 2338235
E-mail: feedback.getco@gebmail.com , "Save Energy for benefit of Self and Nation"

TENDER NOTICE No –JTC/26-27/n-180

Superintending Engineer, Transmission Circle GETCO Jambuva (Address of the office - Gujarat Energy Transmission Corporation Limited, Circle Office, 220kv Jambuva sub-station compound, N.H. No-8, PO:- Jambuva, Tal & Dist: Vadodara.-390 014) invites "On line Tenders" (e-tendering) for the purchase/ works of following items. Tender Papers & Specifications may be down loaded from Web site https://tender.nprocure.com (For view, down load and on line submission) and GUVNL/GETCO web site www.guvnl.com (For View & download only).

All tender documents, scanned copies of original documents (Notarized / self-attested copies of original – as specified in tender document) along with scan copy of transaction slip of payment made through RTGS/NEFT for Tender Fee & EMD shall be unloaded through on line only (which is mandatory) on (n) procure portal.

Bidders shall compulsorily pay tender fee and EMD through RTGS/NEFT only. No any physical documents, Demand Draft / Banker's cheque or Pay order for tender fee and EMD to be submitted by bidders.

All the bidders, in respect of tender item must have vendor registration with the GETCO or their any subsidiary company viz. prior to the date of opening of technical bid of the tender, otherwise their bids will not be considered eligible for technical scrutiny and their commercial bids will not be opened.

Sr. No.	Description	
1	Tender No.:	**JTC/26-27/n-180**
2	Purchase/Work of	**Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle.**
3	Tender Fee **(nonrefundable)**	**Rs. 1,180/- (Including G.S.T.)**
4	Estimated cost **with** GST in Rs.	**Rs. 15,70,989.70**
5	Earnest Money Deposit amount in Rs.	**Rs. 15710/-**
6	On line (E-tendering) tender/ offer submission last date up to 16.00 hours only (This is mandatory)	**17.11.2026**

7	Date of opening online technical bid at 16:10 Hours.	**17.11.2026**
8	Tentative Date of on – line opening of Price bid,	Shall be intimated separately.
9	Prices	Firm Basis
10	Validity of offer	180 days
11	Time limit	90 Days
12	Appropriate / Registration Class	Only GETCO registered contractor

IMPORTANT:

1. Bidder has to upload scanned copies of original (Notarized / self-attested copies of original – as specified in tender document) bid documents online only after sign & stamp on each documents in PDF form and file / document should not be password protected and no physical documents to be submitted by bidder.

2. However, Bidder has to upload the Tender fee / EMD and payment of EMD should be accepted by RTGS / NEFT / online and Payment of Tender fee accepted by RTGS / NEFT / online only. Bidder has to also upload scan copy of transaction slip of payment made through RTGS/NEFT for Tender Fee & EMD through on line only (which is mandatory) on (n) procure Portal. No any physical documents , Demand Draft / Banker's cheque or Pay order for tender fee and EMD will be accepted.

3. All the relevant scanned documents as per requirement of the tender are to be upload through online only on n procure portal. Tender fee, EMD and Integrity Pact should be strictly submitted online only, otherwise the offer will not be considered and no any further communication in the matter will be entertained.

4. It is mandatory for all the bidders to upload their tender documents by on line (E-tendering) in scheduled time.

5. It shall be sole responsibility of the bidder that the uploaded scanned documents (in PDF form) remain legible (readable) and should not be password protected.

6. Submission and Evaluation of Documents / Clarification

6.1 The Bidder shall submit/upload all the documents, certificates, declarations, statements and other information required under the Tender Document along with its original online bid within the stipulated date and time for submission of bids. The Bidder shall be solely responsible for ensuring completeness, correctness, legibility and validity of all such documents.

6.2 The Technical/Qualification Requirement (QR) evaluation of the bid shall be carried out only on the basis of the Data / Details / Documents submitted/uploaded by the Bidder as part of its original online offer on or before the stipulated last date and time for submission of the bid.

6.3 After the stipulated last date and time for submission of bids, no new, additional, substitute or replacement document shall be accepted or considered for establishing or improving the eligibility, Qualification Requirement (QR), technical qualification or experience of the Bidder.

6.4 In case any document, certificate, work order, completion certificate, experience certificate, registration certificate or other document required for establishing the eligibility/QR of the Bidder has not been submitted/uploaded with the original online

bid, the same shall not be subsequently submitted or considered for establishing or improving the eligibility/QR of the Bidder.

6.5 The Owner/Tendering Authority may, wherever considered necessary, seek clarification only in respect of the Data / Details / Documents already submitted/uploaded by the Bidder with its original online offer, provided that such clarification does not result in any change, addition, substitution or improvement in the substance of the original bid or in the eligibility/QR of the Bidder.

6.6 No clarification shall be sought or accepted for introducing a new experience, new work order, new completion certificate or any other new document which was required to be submitted with the original online bid but was not submitted/uploaded within the stipulated bid submission period.

6.7 No post-bid clarification or document submitted voluntarily by the Bidder shall be considered for evaluation. Any clarification, if required by the Owner/Tendering Authority, shall be sought in writing and shall be limited to the original online submission.

6.8 In case the required Data / Details / Documents are not available in the original online offer, the bid shall be evaluated on the basis of the documents actually submitted/uploaded with the original online bid and dealt with in accordance with the Tender conditions.

6.9 In case any document uploaded/submitted by the Bidder along with the original online bid is found to be unreadable, illegible, corrupted, damaged or otherwise not accessible/openable, the Owner/Tendering Authority may seek clarification/re-submission only for such document(s) which are specifically required as per the duly filled online Annexures submitted by the Bidder, and only to the extent permissible under the Tender Conditions.

If the Bidder has not duly filled the relevant online Annexure(s), or has merely mentioned "As per attached documents" or any similar general remark in place of providing the required details in the prescribed Annexure(s), then no further communication, clarification or opportunity for submission/re-submission of such document(s) shall be entertained, and the bid shall be evaluated on the basis of the documents/data available in the original online offer.

The responsibility for ensuring that all uploaded documents are complete, properly filled, legible, accessible, valid and correctly linked/referenced through the prescribed Annexures shall rest solely with the Bidder.

7. Evaluation of Online Offer

"Tender shall be evaluated on the basis of the Data / Details / Documents forming part of the original online offer submitted/uploaded by the Bidder on or before the stipulated last date and time for submission of the bid.

No new, additional, substitute or replacement document submitted after the stipulated last date and time for submission of the bid shall be considered for establishing or improving the eligibility, Qualification Requirement (QR), technical qualification or experience of the Bidder.

Clarification, if any, shall be governed strictly by Clause No. 6 of the Tender Document and shall not result in any change or improvement in the substance of the original bid."

8. Online Annexures and Supporting Documents

"Bidders shall fill all online Annexures, wherever required, and shall upload all supporting authentic documents as specified in the Tender Document.

The Bidder shall ensure that all documents required for establishing eligibility, Qualification Requirement (QR), technical qualification and experience are duly uploaded/submitted along with the original online bid within the stipulated date and time for submission of bids.

The responsibility for submission/uploading of complete and valid documents required under the Tender Document shall rest solely with the Bidder.

In case any required Data / Details / Documents are not submitted/uploaded with the original online bid, the same shall not subsequently be accepted or considered for establishing or improving the eligibility/QR, except for clarification strictly within the scope permitted under Clause No. 6.

The Owner reserves the right to evaluate the bid on the basis of the Data / Details / Documents available in the original online offer and in accordance with the provisions of the Tender Document."

9. The Performance Certificate / Certificate of Satisfactory Completion submitted against the qualifying work experience shall be issued by the competent authority of the organization for which the work was executed, as under:

1. **For works executed for GETCO:** The Performance Certificate / Certificate of Satisfactory Completion shall be issued and signed by the Chief Engineer of the concerned/related department of GETCO under whose jurisdiction the work was executed**.**

2. **For works executed for other Government Departments / Government Organizations / PSUs / Boards / Corporations / Local Authorities or other organizations:** The Performance Certificate / Certificate of Satisfactory Completion shall be issued and signed by the Order Placing Authority of the concerned organization, or by an officer duly authorized by the Order Placing Authority to issue such certificate.

3. **The certificate shall clearly indicate, at minimum, the name of the work, Work Order/Contract No. and date, name of the contractor, scope/nature of work, contract value, actual executed value, date of commencement, date of completion and performance/completion status of the work.**

. 4. **Certificates issued by any other officer/authority not meeting the above requirements shall not be considered for establishing the requisite qualifying experience, unless specifically accepted under the provisions of the tender. For Civil Works, the certificate shall also indicate the amount of penalty / Liquidated Damages (LD), if any, levied/recovered for extension of time/delay in completion of the work. Further, the certificate shall indicate the actual quantum of major works executed, such as Concrete/RCC, Reinforcement, Pile Diameter, number of piles, total pile length/depth and other major/specialized items relevant to the qualifying criteria prescribed in the tender.**

5. **The Tender inviting authority reserves the right to verify the authenticity of the Performance Certificate / Certificate of Satisfactory Completion and the particulars stated therein from the concerned client organization.**

6. **Also if required, work placing authority may ask the supply documents from the bidder like work order, work completion certificate etc.**

9. **Payment of Tender Fee and Earnest Money Deposit (EMD) : The EMD and Tender fee plus GST as applicable shall be paid through RTGS/NEFT only.**

1) Payment of Tender fee , EMD through RTGS/NEFT : For the payment through RTGS/NEFT the scan copy of payment made (transaction slip of payment made) shall be uploaded online with the Tender documents on n-procure portal.

2) Bidder has to provide following detail on the same date of payment made so that receipt can be generated at below mentioned e-mail ids:

1. **dcpd2.getco@gebmail.com**
2. **nvp.getco@gebmail.com**
3. **aotr.jambuva@gebmail.com**

Sr. No.	Required Details
1	Name & Postal Address of the bidder
2	Contact Detail & e-mail id of the bidder
3	Tender No. with due date
4	Mode of Payment made
5	Ref. ID with Bank Details(UTR number)
6	Amount Paid for Tender fee in Rs.
7	Amount Paid for EMD in Rs.
8	GST Registration No.
9	Pan No.

**** RTGS / NEFT / Online transactions has to be done by the bidders account only otherwise bid will be rejected.**

3) GETCO Beneficiary Bank Details are as under:

Sr.No.	Particulars	Requisite Details
1	Name of Bank	BANK OF BARODA
2	Name of Branch	MAKARPURA VILLAGE BRANCH, VADODARA
3	Branch Code	0634
4	MICR Code	390012031
5	IFSC Code	BARB0MAKARP
6	Name of Account	GETCO , JAMBUVA
7	Account No.	06340200000181
8	GST No.	24AABCG4029R2ZC

12. Tender fee and EMD paid though Demand Draft / Banker's cheque or Pay order **will not be accepted**. Also, Tender fee and EMD received after due date and time as specified in the tender will not be accepted/opened irrespective of delay due to any reasons and the Corporation shall not assume any responsibility for late receipt of the same.
13. Tender without EMD and tender fee plus GST as applicable shall be rejected.
14. Bidders are requested to remain in touch with the n-procure portal for any amendment/corrigendum or extension of due date etc.
15. The GETCO reserves the right to award the work to one or more bidders, considering their technical and financial capacity OR to reject any or all tenders or accept any tender without assigning any reason thereof.

Any technical questions, information and clarification that may be required pertaining to this enquiry should be referred to: The Superintending Engineer (TR), Gujarat Energy Transmission Corporation Limited, Circle office Jambuva.

GETCO reserves the right to reject any OR all tenders without assigning any reasons thereof.

Yours faithfully,
Superintending Engineer (TR)
C.O., GETCO, Jambuva

Download Tender Documents in (PDF Format) which consists of:

Part – I: Commercial Terms & Conditions

Part – II: Technical Specifications & GTP'S, Schedule "A" indicating the quantities & items, drawing if any.

To view the PDF file please use "Acrobat Reader" software which can be downloaded from "Adobe website.

Note: In case bidder needs any difficulty in accessing / submission of on line bid / clarification or if training required for participating in online tender, they can contact the following office: (n) Procure Cell, (n) code solutions-A division of GNFC Ltd., 403, GNFC Infotower, S.G. Road, Bodakdev Ahmedabad – 380054 (Gujarat).

Toll Free: 1-800-233-1010 (Ext. 501, 512,516 , 517 , 525) , Phone No. 079-26857315 / 316 / 317, Fax: 079-26857321 / 40007533, Email: nprocure@gnvfc.net

TENDER No: JTC/26-27/n-180

TECHNICAL BID

"Name of Work: -
Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle."

Index

Sr. No.	Document	Document Code	Part	Page No.
1.	Tender Notice	-	I	1 to 2
2	Technical Bid	-	I	3 to 3
3	Integrity Pact	-	I	4 to 4
4	Instructions to Tenderers	ITB	I	5 to 18
5	Qualification Requirement	-		19 to 20
6	General Conditions of Contract	GCC	I	21 to 38
7	Erection Conditions of Contract	ECC	I	39 to 47
8	Special Conditions of Contract with Declaration Form	SCC	I	48 to 56
9	General Information	-	II A	57 to 57
10	Technical Particulars for Erection	-	II B	58 to 65
11	Various Formats	-	-	66 to 85
12	Price Bid			86 to 88

GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
BARODA

Date :

I N T E G R I T Y P A C T

OUR ENEAVOUR

To create 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 a the nation.

GETCO COMMITMENT	PARTY'S COMMITMENT
□ To maintain the highest ethical standards In business and professional	□ Not to bring pressure / recommendations outside GETCO to influence its decision.
□ Ensure maximum transparency to the Satisfaction of stakeholders.	□ Not to use intimidation, threat, inducement or Pressure of any kind on GETCO or any of it's employees under any circumstances.
□ To ensure to fulfill the terms of agreement / contract and to consider objectively the viewpoint of parties.	□ To be prompt and reasonable in fulfilling the contract, agreement, legal obligations.
□ To ensure regular and timely release of payment on due dates for work done.	□ To provide goods and / or services timely as per agreed quality and specifications at minimum cost of GETCO.
□ 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 including payment to agents / sub-agent.
□ 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 of GETCO.
□ To ensure minimum hurdles to Vendors/ suppliers / contractors in complete of agreement / contract / work order.	□ Not to enter into carter / syndicate / understanding whether formal / non-formal so as to influence the price.

_____
Seal & Signature
(GETCO Authorized Signatory)

_____
Seal & Signature
(Party's Authorized Person)

Name :
Designation :

Name :

GUJARAT ENERGY TRANSMISSION CORPORATION LTD
TR Circle Office,
Jambuva, VADODARA – 390014.

Web site: www.gseb.com, Phone no: 0265 – 2644406
E-mail: setrjambuva.getco@gebmail.com Fax No:0265 – 2640119

(A) INSTRUCTIONS TO THE BIDDERS

A. INTRODUCTION

1.0 General Particulars

1.1 The Gujarat Energy Transmission Corporation Ltd., Baroda hereinafter called 'GETCO'/ 'OWNER' intends to receive bids **Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle.**, as detailed in the accompanying specifications in accordance with Terms and Conditions herein. The bids shall be prepared and furnished as per these Instructions.

2.0 Bidding Costs

All costs/expenses in the preparation and submission of the Bid (including any post Bid discussions/presentations) shall be fully borne by the Bidder. Owner will not be responsible/liable for these costs irrespective of the course and conclusion of this Bidding.

B. BID DOCUMENTS

3.0 Details of Documents

3.1 The following Bid documents apart from Invitation to Bid detail the material and equipment specifications/characteristics, the bidding procedures and the terms & conditions of contract:

a. Instructions to Bidders (ITB-Part I)
b. General Conditions of Contract (GCC-Part I)
c. Erection Conditions of Contract (ECC-Part I)
d. Special Conditions of Contract (SCC-Part I)
e. Technical Specifications (TSP-Part IIA)
f. Technical Data Sheets (TDS-Part IIB)
g. "Schedule-B" Bid Form and Price Schedules (BF/PS-Part III)

4.0 Knowing the Bid Documents

4.1 Every intending Bidder is to examine and understand all instructions, forms, terms, conditions and specifications in the Bid Documents and fully know himself all the conditions and contents therein, which may in any manner, affect the scope & content of work and the costs thereof. Submission of a Bid not substantially responsive to the Bid Document in all respects and/or failure to furnish all information required by the Bid Document may entail rejection of the Bid at the Bidder's risk.

5.0 Clarifications on Bid Documents

5.1 In case an intending Bidder finds any discrepancy or omission in the documents and specifications or is in doubt as to the true meaning of any part, he shall make a request, in writing not later than the date of pre Bid discussion, to the owner in triplicate. The owner will issue explanations, interpretations and clarifications as deemed fit in writing as a response to this request. On receipt of such interpretations/clarifications, the Bidder may submit his Bid within the date and time stipulated in the Bid invitation, All such explanations, interpretations and clarifications from the Owner shall be deemed as part of Bid Documents and shall invariably accompany the Bidder's proposal.

5.2 Any verbal/telephonic clarifications and information given by the Owner or his employee (s) or his representative(s) will not in any way be binding on the Owner.

6.0 Amendment of bidding document:

6.1 At any time prior to the deadline for submission of Bids the Owner may, for any reason, whether at his own initiative or in response to a clarification requested by the intending Bidder, modify the Bidding Document with amendment(s).

6.2 The amendment will be notified in writing or Fax /web site to all intending Bidders who have received the Bidding Document at the address contained in the letter of request for issue of Bidding document from the Bidders. Owner will bear no responsibility or liability arising out of non-receipt of the same in time or otherwise.

6.3 In order to afford prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Owner may, at his discretion, extend the deadline for the submission of bids.

6.4 Such amendments, clarifications etc. shall be binding on bidders and will be given due consideration by the Bidders while they submit their bids and shall invariably enclose such documents as a part of the bid.

C. PREPARATION OF BIDS

7.0 Language of Bid:

7.1 The Bid prepared by the Bidder and all correspondence and documents relating to the Bid, exchanged by the Bidder and the Owner, shall be written in the English language, provided that any printed literature furnished by the Bidder may be written in another language so long as accompanied by an English translation of its pertinent passages. Failure to comply with this may disqualify a bid. For purposes of interpretation of the bid, the English translation shall govern.

7.2 Bid Format

Bidders have to make the Bid in the formats furnished with this Document. Verbatim without adding any printed/typewritten text of their own.

8.0 Local Conditions:

8.1 It will be imperative on each Bidder to fully inform himself of all local conditions and factors, which may have any effect on the execution of the Contract covered under these documents and specifications. The Owner shall not entertain any request for clarifications from the bidders, regarding such local conditions.

8.2 It must be understood and agreed that such factors have properly been investigated and considered while submitting the proposals. No claim for financial adjustment to the Contract awarded under these specifications and documents will be entertained by the owner. Neither any change in the time schedule of the Contract nor any financial

adjustments arising thereof shall be permitted by the Owner, which are based on the lack of such clear information or its effect on the cost of the works to the Bidder.

9.0 Documents comprising the Bid:

9.1 The Bidder shall complete the Bid form inclusive of Price Schedules; Technical Data Requirements etc. furnished in the Bidding Documents, indicating, for the services to be rendered, a brief description of services, quantity and price.

9.2 All tender documents, scanned copies of original (Notarized / self-attested copies of original – as specified in tender document) documents along with scanned copy of original document for Tender Fee & EMD shall be uploaded through on line only (which is mandatory) on (n) procure Portal to establish that the Bidder meets the Qualification Requirements as detailed in ANNEXURE -I. **No physical documents to be submitted by the bidder.**

9.3 Complete technical bid / Tender Documents / formats are to be filled in all respects. Same shall be sealed and signed by the Company Authorized Signatory wherever specified and scanned copies of original (Notarized / self-attested copies of original – as specified in tender document) documents along with scanned copy of original document shall be uploaded through on line only (which is mandatory) on (n) procure Portal.

9.4 Bidder shall have to made payment for Tender fee and EMD though RTGS / NEFT only before due date and time of submission of tender. **Tender fee and EMD paid though Demand Draft / Banker's cheque or Pay order will not be accepted and no any further communication in the matter will be entertained.**

9.5 In case of short submission of documents with bid & / or clarification if any required from the bidder, the required details/ documents may be asked from bidder in physical form.

9.6 It shall be sole responsibility of the bidder that the uploaded scanned documents (in PDF form) remain legible & should not be password protected.

9.7 Bidder shall have to upload scanned copies of complete technical bid filled in all respect and sealed and signed by Company Authorized Signatory through on line only (which is mandatory) on (n) procure Portal

10.0 Bid Price:

10.1 The Bidder shall indicate percentage above/below of total bid price indicated in the appropriate price Schedules, enclosed in bid proposal sheets for erection, testing and commissioning, and other services it proposes to furnish under the contract. The % age above/below indicated shall be inclusive of all taxes and duties applicable inclusive of GST applicable on required inputs and services.

10.2 The Bidder shall specifically note that the Tenders are invited on percentage rate increase/decrease based in relation to unit rates of tender price schedule.

11.0 Price Basis:

11.1 The Price shall be quoted on firm basis.

11.2 The Price quoted by the bidder shall remain fixed during the bidder's performance of the contract and shall not be subject to variation on any account save for change in quantity. A bid submitted with an adjustable price quotation shall be treated as non-responsive and rejected.

12.0 Taxes and Duties:

12.1 **As regards the income Tax, surcharge on income tax will be levied as per prevailing rate from contractors bill as per norms of GoG** and any other corporate tax, including GST at prevailing rate the owner shall not bear any tax liability whatsoever. The bidder shall be liable and responsible for payment of such taxes as attracted under the provisions of the law.

12.2 Not with stand the tax liabilities as per the sub-clause14.1 to14.4 above the owner shall have the right to make deduction at source from the amounts payable to the contractor in respect of Income Tax (on the cost of items of supply included in the works contract)

as may be mandatory in terms of the law. The owner shall not bear any liability in this regard but shall issue necessary certificate in respect of such deduction made.

12.3 In case any tax or duty is newly introduced by the Government applicable for this contract with effect from the next day of the date submission of the bid and if the contractor is required to pay additional tax or duty, then the owner shall reimburse the contractor the additional tax or duty so paid by the contractor against submission by the contractor of documentary evidence to the satisfaction of the owner. This provision will not be applicable to transaction between the contractor and his sub-contractors. Besides the said statutory variation, no other statutory variation shall be payable by the owner.

12.4 The owner's liability for all taxes and duties under the contract shall be limited to those indicated by the Bidder in the Bid Proposal Sheets, subject to the statutory variations and variations as per Clause No. 12.7 supra.

12.5 If the cost to the Contractor during the performance of the 'Contract' shall be increased or reduced by reasons of the making, passing or promulgation of any law after the date of submission of bid or by any order, regulation or bye-law having the force of law the amount of such increase or reduction shall be added to or deducted from the "Contract Price" as the case may be for direct transactions between contactor & owner, and not for bought out items. It is the Bidders responsibility to furnish details of taxes, duties, levies etc. applicable as on the date of submission of the bid.

12.6 No claim for any increase towards the statutory variation regarding enhancement of existing tax or duty or introduction of a new tax or duty applicable shall be entertained by the Owner during the extended period of contract, if any, provided the extension of the contract is required by causes attributable to the contractor.

12.7 The provision of statutory variation regarding enhancement of existing tax or duty or introduction of a new tax or duty will be applicable only to the direct transaction between the contractor and the owner.

12.8 Before quoting, the bidder may ascertain from the concerned tax authorities of Government of Gujarat the applicability of GST. in respect of this work and include the same in the quoted price. The Owner in this regard will entertain no separate claim, as it is the responsibility of the Bidder to pay all these taxes.

12.9 In addition, the conditions detailed under Special Conditions of Contract shall apply.

12.10 **The validity of tender is 180 days from the date of opening of technical bid.**

13.0 Time Schedule:

13.1 The basic consideration and the essence of the contract shall be strict adherence to the time schedule for performing the specified works.

13.2 The Owner's requirements of completion schedule for the Works are mentioned in the accompanying Special Conditions of Contract.

13.3 The completion schedule as stated in the special conditions of contract shall be one of the major factors in consideration of the bids.

13.4 The owner reserves the right to request for a change in the work schedule during pre-award discussions with successful bidder.

13.5 The successful bidder will be required to prepare detailed Bar chart and finalize the same with the owner as per the requirement of Clause no 27.0 of GCC

14.0 Contract Quality assurance:

14.1 The Bidder shall include in his proposal the Quality Assurance Program containing the overall quality management and procedures which he proposes to follow in the

performance of the Works during various phases as detailed in relevant clause of the General Technical Conditions.

14.2 At the time of Award of Contract, the detailed Quality Assurance Program to be followed for the execution of the Contract will be mutually discussed and agreed and such agreed Program shall form a part of the Contract.

14.3 The Bidder shall clearly specify the list of sub-vendors from whom the bought out items are being supplied wherever specifically indicated in the tender document shall supply only from those vendors. Such details shall be accompanied by their list of previous supplies made performance reports etc. However, in case of orders are placed, specific approval shall be obtained from the owner for the vendor-supplied materials. The quality assurance program shall be furnished for each material separately for approval.

15.0 Insurance:

The Bidder's insurance liabilities pertaining to the scope of Works are detailed out in Clauses titled Insurance, in General Terms and Conditions of Contract and in Erection Conditions of this Part-I. Bidder's attention is specifically invited to these clauses. Bid price shall include all the costs in fulfilling all the insurance liabilities under the Contract.

16.0 Erection Tools and Tackles:

The Bidder under a separate schedule, in his proposal shall include a list of all-special equipment tools & tackles etc. which he proposes to bring to site for the purpose of erection, handling, testing and commissioning including performance and guarantee tests of the equipment. If any such equipment is listed anywhere else in the proposal and not specially mentioned in the above schedule, it shall be deemed to have been included in the Bidder's proposed scope of supply.

17.0 Brand Names:

17.1 The specific reference in these specifications and documents to any material/equipment by brand name makes or catalogue number shall be construed as establishing standards of quality and performance and not as limiting competition. However, Bidders may offer other similar material/equipment provided they meet the specified standard, design and performance requirements. The Bidder shall furnish adequate technical information about such alternative material equipment to enable the Owner to determine its acceptability. The Owner shall be the sole judge on the acceptability or otherwise of such alternatively material/equipment.

17.2 The bidder shall note that standards for workmanship material and equipment, and reference to brand name of catalogue numbers designed by the Owner in its Technical Specifications are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand name and/or catalogue numbers in its bid, provided that it demonstrates to the Owner's satisfaction that the substitutions are substantially equivalent or superior to those designed in the Technical Specification.

18.0 Bid Security/EMD:

The bidder shall furnish, as a part of its bid EMD, bid security for an amount of one percent of estimated cost to be paid as under:

a) Payment of Earnest Money Deposit (EMD) can be accepted by RTGS/ NEFT only.

1. For payment through RTGS/NEFT the scan copy of payment made (transaction slip of payment made) shall be uploaded online with the Tender documents on n-procure portal.
2. Bidder has to provide following detail on the same date of payment made so that receipt can be generated at below mentioned e-mail ids:
   1. dcpd2.getco@gebmail.com
   2. nvp.getco@gebmail.com
   3. aotr.jambuva@gebmail.com

Sr. No.	Required Details
1	Name & Postal Address of the bidder
2	Contact Detail & e-mail id of the bidder
3	Tender No. with due date
4	Mode of Payment made
5	Ref. ID with Bank Details(UTR number)
6	Amount Paid for Tender fee in Rs.
7	Amount Paid for EMD in Rs.
8	GST No.
9	Pan No.

3. GETCO Beneficiary Bank Details are as under:

Sr.No.	Particulars	Requisite Details
1	Name of Bank	BANK OF BARODA
2	Name of Branch	MAKARPURA VILLAGE BRANCH, VADODARA
3	Branch Code	0634
4	MICR Code	390012031
5	IFSC Code	BARB0MAKARP
6	Name of Account	GETCO , JAMBUVA
7	Account No.	06340200000181
8	GST No.	24AABCG4029R2ZC

18.1 The offer should be valid for a minimum period of 180 days from the date of opening of technical bid.

18.3 The bid security is required to protect the owner against the risk of Bidder's conduct, which would warrant the guarantee forfeiture, pursuant to relevant paras elsewhere The bid guarantee shall be made payable to the Owner without any condition whatsoever.

18.4 The Owner as non-responsive will reject any bid not secured in accordance with Para 18.1 above. No exemptions are made in the furnishing of the security.

18.5 Unsuccessful Bidder's bid security/EMD will be returned/refunded on finalization of tender or three months from the date of submission of tender whichever is later.

18.6 The successful bidders, Bid Security will be discharged upon, furnishing the contract performance guarantee

18.7 The bid guarantee may be forfeited.

a) If a Bidder withdraws its bid during the period of bid validity specified by the bidder on the bid Form:

b) If a bidder refuses to accept the contract or fails to commence the works including supplies within thirty days of letter of award of contract)

19.0 Format of Bid:

19.1 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized by the Bidder to sign the Contract. The letter of authorization shall be indicated by written power-of-attorney accompanying the bid. All pages of the bid, except for un-amended printed literature, shall be initiated by the person or persons signing the bid.

19.2 Complete technical bid / all Tender Documents / formats are to be filled in all respects. Same shall be sealed and signed by the Company Authorized Signatory wherever specified and scanned copies of original (Notarized / self-attested copies of original – as specified in tender document) documents along with scanned copy of original document shall be uploaded through on line only (which is mandatory) on (n) procure Portal. No physical documents to be submitted by the bidder

19.3 The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be initiated by the person or persons signing the bid.

19.4 The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be initiated by the person or persons signing the bid.

19.5 Bids shall be submitted as under:

Complete Technical Bid, Tender documents as per QR , Price Bid and transcation slip for payment made for tender fee & EMD through RTGS / NEFT ,shall be submitted 'online' only.

20.0 Signature of Bids:

20.1 The bid must contain the name, residence and place of business of the person or persons making the bid and must be signed and sealed by the Bidder with his usual signature. The names of all persons signing should also be typed or printed below the signature.

20.2 Bid by a partnership must be furnished with full names of all partners and be signed with the partnership name, followed by the signature(s) and designation(s) or the authorized partner(s) or other authorized representative(s).

20.3 Bids by Corporation/Company must be signed with the legal name of the Corporation/Company by the President/Managing Director or by the Secretary or other person or persons authorized to bid on behalf of such Corporation/Company in the matter.

20.4 A bid by a person who affixes to his signature the word 'President', 'Managing Director', 'Secretary', 'Agent' or other designation without disclosing his Principal will be rejected.

20.5 If it is found that two or more persons who are connected with one another either financially or as a principal and agent have bid under different names without disclosing their connection then such bids will be liable for rejection. Satisfactory evidence of authority of the person signing on behalf of the Bidder shall be furnished with the bid.

20.6 The Bidder's name stated on the proposal shall be the exact legal name of the firm.

20.7 Bids not conforming to the above requirements of signing may be disqualified and EMD forfeited.

21.0 Submission of bids:

21.1 **Complete Technical Bid, Tender documents as per QR ,Price Bid and transaction slip for payment made for tender fee & EMD through RTGS / NEFT ,shall be submitted 'online' only**

Price Bid : Technical & Price bid shall be submitted 'online' only through n-code.

21.2 The Technical Bid and accompanying documents, RTGS/ NEFT transaction slip for payment made for tender fee and EMD shall be uploaded (scanned copies of original document) through on line only (which is mandatory) on (n) procure Portal by the bidder.

21.3 Addressed to the Owner at the following address:

The Superintending Engineer
GETCO, Circle Office,
220kv Jambuva sub-station compound.
NH -8, Jambuva PIN CODE- 390014
Vadodara.

22.0 Deadline for submission of bids:

22.1 The Bidders have to submit the bid documents with detail of payment of tender / Fee /EMD paid though NEFT / RTGS by online mode only as per schedule closing date of submission of online bid.

22.2 The Owner may, at its discretion, extend this deadline for the submission of bids by amending the Bidding Document in which case all rights and obligations on the Owner and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

23.0 Late Bids

23.1 Any bid received by the Owner after the time and date fixed or extended for submission of bids prescribed by the Owner, will be rejected and not considered for evaluation.

24. Modification and withdrawal of bids:

24.1 The Bidder may modify or withdraw its bid after the bid's submission provided that written notice of the modification or withdrawal is received by the Owner prior to the deadline prescribed for submission of bids.

24.2 The Bidder's modification or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provisions of clause 23.0. The envelope should clearly indicate whether the modification is for the Technical bid or the Price bid. No bid modifications notice by Telex/Grams/Fax shall be entertained by the Owner.

24.3 No bid shall be modified in any manner, whatsoever subsequent to the deadline for submission of bids.

24.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal/modification of a bid during this interval may result in the Bidder's forfeiture of its bid security.

25.0 Information required with the proposal:

25.1 The bids must clearly indicate the name of the manufacturer, the type and/or model of each principal item of equipment proposed to be furnished and erected. The bid should also contain drawings and descriptive materials indicating general dimensions, materials from which the parts are manufactured, principles of operation, the extent of pre-assembly involved, major construction equipment proposed to be deployed, method of erection and the proposed erection organizational structure.

25.2 The above information shall be provided by the Bidder in the form of separate sheets, drawings, catalogues, etc. in five copies.

25.3 Any bid not containing sufficient descriptive material to describe accurately the equipment proposed may be treated as incomplete and hence rejected. Such descriptive materials and drawings submitted by the Bidder will be retained by the Owner. Any major departure from these drawings and descriptive material submitted will not be permitted during the execution of the Contract without specific written permission of the Owner.

25.4 Oral statements made by the Bidder at any time regarding quality, quantity or arrangement of the equipment or any other matter will not be considered.

25.5 Standard catalogue pages and other documents of the Bidder may be used in the bid to provide additional information and data as deemed necessary by the Bidder.

25.6 The Bidder, along with his Proposal, shall submit a list of recommended erection equipment and materials which will be required for the purpose of erection of equipment and materials supplied under the Contract.

25.7 In case the 'Proposal' information contradicts specification requirements, the specification requirements will govern, unless otherwise brought out clearly in the technical commercial deviation schedule.

26.0 BID OPENING AND EVALUATION

Opening of bids by owner:

26.1 The Owner will open the technical bids online on Date of opening online technical bid.

26.2 The Bidder's names, Technical modifications, bid withdrawal and such other details as the Owner, at his discretion may consider appropriate, will be announced in the Technical Bid Opening.

26.3 Price bid will be open 'online' only through n-code after technical scrutiny of tender. Technical bid and Price bid will be open 'online' only through n-code.

27.0 Purpose of evaluation of bids:

27.1 The Bids received/accepted/opened will be evaluated by the Owner to ascertain the technical responsiveness of the bid for the complete scope of the proposal, as covered under these specifications and documents. All technically responsive bids shall then be examined to determine the LOWEST EVALUATED COMMERCIALLY AND TECHNICALLY RESPONSIVE BIDS.

27 (A) Policy for bids under consideration:

27.A.1 Bids shall be deemed to be under consideration immediately after opening of Technical Bid and until such time official intimation of award/rejection is made by the Owner to the Bidders. While the Bids are under consideration, Bidders and/or their representatives and other interested parties are advised to refrain from contacting by any means, the owner and/or his employee's representatives on the matters related to Bids under consideration.

27.A.2 Clarification of bids:

To assist in the examination evaluation and comparison of Bids the owner may on his own ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.

28.0 Preliminary Examination:

28.1 The Owner will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

28.2 **Arithmetical errors will be rectified on the following basis:**

If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between the total bid amount and the sum of total costs, the latter shall prevail and the total bid amount will be corrected accordingly. If there is a discrepancy between words and figures, the amount advantageous to the Owner will prevail. If the Bidder does not accept the correction of the errors as above, his Bid will be rejected and the amount of Bid Security will be forfeited. The Bidder should ensure that the prices furnished in various price schedules are consistent with each other. In the case of any inconsistency in the prices furnished in the specified prices schedules to be identified in Bid Form for this purpose, the Owner shall be entitled to consider the highest price for the purpose of evaluation and for the purpose of award of Contract use the lowest of the prices in these schedules.

28.3 Prior to the detailed evaluation, the Owner will determine the substantial responsiveness of each bid to the Bidding Document. For purpose of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the Bidding Document without material deviations. A material deviation is one which affects in any way the prices, quality, quantity or delivery period of the equipment, completion of works or which limits in any way the responsibilities or liabilities of the Bidder of any right of the Owner as required in these specifications and documents. The Owner's determination of a bid's responsiveness shall be based on the contents of the bid itself without recourse to extrinsic evidence.

28.4 A bid determined as not substantially responsive will be rejected by the Owner and may not subsequently be made responsive by the Bidder by correction of non-conformity.

28.5 The Owner may waive any minor informality or non-conformity or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

29.0 Evaluation of Price Bids:

29.1 <u>Definitions and Meanings:</u>

For the purpose of the evaluation and comparison of bids, the following meanings and definition will apply: -

a) 'Bid Price' shall mean the price quoted by each Bidder in his proposal for the complete scope of works.

b) 'Evaluated Bid Price' shall be summation of 'Bid Price', 'Differential Price' and 'Cost Compensation for Deviations.'

30.0 <u>Calculation of differential Price & Cost Compensation for Deviations.</u>

The Differential Price to be added to the Bid Price of each bid during evaluation and comparison shall be derived as under:

Differential Price (DP)=n1F1+n2F2…+nn Fn, where F1, F2…Fn are the various factors in Indian Rupees per unit of parameter differential or deficiency in the equipment and services offered as stipulated in these specifications: n1, n2…nn are the respective parameter differential or deficiency in the corresponding units to be determined from the Bidder's proposal. The above factors and corresponding units of parameter differential are derived from the Technical Specifications, Data sheets and/or Special Conditions of Contract.

Deviations from the Bidding Documents in so far as practicable will be converted to a Rupee value (D) and from the Bidding Document while evaluating the bids. In determining the Rupee value of the deviations the Owner will use parameters consistent with those specified in the specifications and documents and or other information as necessary and available to the Owner.

30.1 Comparison of Bids

The bids shall be compared on the basis of lumpsum prices (i.e., for erection services to be rendered as quoted by the Bidder) for the entire scope of the proposal as defined in the Bidding Document.

For comparison purposes all the evaluated bid prices shall be in Indian Rupees as under:

W = Q + DP + D

Where

W = Total Comparison Price

Q = Bid Price quoted by the bidder in Indian Rupees (Value of erection cost including other components if any.)

DP = Different price in Indian Rupees calculated as above

D = Cost compensation for deviations calculated as above.

All evaluated bid prices of all the bidders shall be compared among themselves to determine the lowest evaluated bid and, as a result of this comparison, the lowest bid will be selected for the award of the Contract.

31.0 AWARD OF CONTRACT

Award Criteria

31.1 The owner will award the contract to the successful Bidder, whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid, providing further that the Bidder is determined to be qualified to perform the contract satisfactorily. The Owner shall be the sole judge in this regard.

32.0 MATCHING OF END COST:

32.1 In case the GETCO decides to award contract on matching end-cost basis, the bidder has to reduce all the quoted rates proportionately. The reduction on overall basis will not be accepted (i.e. all unit rates of erection schedule shall be reduced proportionately by difference in percentage). The confirmation for matching end cost shall be given within 7 (seven) days from the letter from GETCO.

32.2 Further, the Owner reserves the right to award separate contracts to two or more parties in line with the terms and conditions specified in the accompanying Technical Specifications.

33.0 Owner's right to accept any bid and to reject any or all bids:

33.1 The Owner reserves the right to accept or reject any bid, and to annual the bidding process and reject all bids at time prior to award of contract, any without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Owner's action.

34.0 Notification of award:

34.1 Prior to the expiration of the period of bid validity and extended validity period, if any, the Owner will notify the successful Bidder in writing by registered letter or cable or telex or FAX, to be confirmed in writing by registered letter, that its bid has been accepted.

34.2 The notification of award will constitute the formation of the Contract.

34.3 Upon the successful Bidder's furnishing of performance guarantee pursuant to relevant clause 36.0, the Owner will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to Clause 18.0.

35.0 Signing of contract:

35.1 At the same time as the Owner notifies the successful Bidder that his bid has been accepted, the Owner will send the Bidder the detailed of Award, incorporating all agreements between the parties.

35.2 Within 15 days of receipt of the detailed of Award, the successful bidder shall sign the same with date and return it to the Owner.

35.3 The Bidder will prepare the duly notarized Contract Agreement as per the Performa prescribed and the same will be signed within 30 (Thirty) days of notification of Award.

36.0 Contract Performance Guarantee:

36.1 As a contract performance security, the successful bidder, to whom the work is awarded, shall be required to furnish a performance guarantee in form of Bank guarantee from a Public Sector Indian bank/Scheduled, Commercial Bank in the form to be furnished. The guarantee amount shall be equal to ten percent (10%) of the Contract price and it shall guarantee the faithful performance of the Contract in accordance with the terms and conditions specified in these documents and specifications. the guarantee shall be valid up to 90 days after the end of Warranty Period.

36.2 The Performance Guarantee shall cover additionally the following guarantees to the Owner:

a) The successful Bidder guarantees the successful and satisfactory operation of the equipment furnished and erected under the Contract, as per the specifications and documents.

b) The successful Bidder further guarantees that the equipment provided by him/his sub-vendors and installed by him shall be free from all defects in design, material and workmanship and shall upon written notice from the Owner fully remedy free of expenses to the Owner such defects as developed under the normal use of the said equipment within the period of guarantee specified in the relevant clause of the General Terms and Conditions in the Part-I / Special Conditions of Contract.

36.3 The Contract Performance Guarantee is intended to secure the performance of the entire contract. However, it is not to be construed as limiting the damages under clause entitled "Equipment Performance Guarantee" in Technical Specifications, Part-II and damages stipulated in other clauses in the Bid documents.

36.4 The performance guarantee will be discharged without any interest at the end of guarantee period, unless otherwise specified in Special Conditions of Contract.

37.0 Scope of the proposal

37.1 The Scope of the proposal shall be on the basis of a single Bidder's responsibility, completely covering all the equipment erection and other installation services specified under the accompanying Technical Specifications. It will include among others as specified therein the following: -

a) Receipt of equipments and material from GETCO's store, transportation, storage, preservation and conservation of equipment at the Site.

b) Pre-assembly, if any, erection, testing and commissioning of all the equipments.

c) Reliability tests and performance and guarantee tests on completion of commissioning.

37.2 **No deviation** whatsoever to certain conditions of the bidding documents permitted by the Owner and therefore, the Bidders are advised that while making Bid Proposals and quoting prices these conditions may appropriately be taken into consideration. Bidders are required to furnish a certificate in this regard **as per the format provided in Special Conditions of Contract in a separate sealed envelope containing Bid security,** Any Bid not accompanied by such certificate shall be rejected by the Owner and shall not be opened.

37.3 Bids not covering the above cited entire scope of works may be treated as incomplete and hence rejected.

37.4 The Bidder shall complete all the schedules & annexure in the Bid Proposal Sheets, Technical Data Sheets and specified elsewhere. The Qualifying Data should be filled in the required schedule of Bid Proposal Sheets.

37.5 The scope of work is **Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle.** as per standard specification and standard practice of GETCO and as per EIC.

(B). Qualification Requirement

To be qualified for award, the bidder shall provide following satisfactory evidence to the Owner of his capability and adequacy of resources:

Sr. No.	Qualifying Requirements
1.	**Registration** :The bidder shall be registered contractor of GETCO
2.	**Technical Criteria**: 1. Bidders shall have valid Electrical Contract Licence and approved vendor of GETCO/STU/CTU, registered under GST Act and Should have CPF/PF Registration Certificate.
3.	**Financial Criteria**: 1) The bidder shall submit the Bank solvency of the amount which is 20% of the total estimated cost of tender.

Additional Documents:

Apart from various documents to be furnished along with the Bid as required in the GCC and ECC, the following documents / details are to be furnished by the Bidder.

1. Electrical Contractor Licence with latest validation
2. Payment of Tender fee and EMD.
3. GST registration certificate. (Certificate of Provisional GST registration shall not be accepted).
4. Details of Proprietorship / Partners/Directors of the Firm/Company. Partnership deed, MOA, BR, if applicable.
5. Copy of power of attorney as the case may be.
6. PF registration
7. The Bidder should have to submit copy of PAN card.
8. Financial turn over for last three years shall be submitted along with bid duly approved by charted accountant & IT returns along with profit Loss and Balance sheet of Last three financial years.

Note :

1. Complete Technical bid ,all tender documents (Scan copy of notarized/self-attested as per tender specification) ,RTGS/ NEFT transaction slip for payment made for tender fee and EMD to be submitted on line only (which is mandatory) on (n) procure Portal. No physical documents to be submitted by the bidder
2. The above-cited requirements are only indicative. The owner reserves the right to requisition any other relevant information and also reserves the right to reject the Bid proposal of any Bidder, if in the Owner's opinion the Qualification data is incomplete and Bidder is not qualified to perform the Contract satisfactorily.

SCOPE OF WORK

1. The Scope of the proposal shall be on the basis of a single Bidder's responsibility, completely covering all the services specified under the accompanying Technical Specifications.
2. The Bidder shall complete all the schedules & annexure in the Bid Proposal Sheets, technical Data Sheets and specified elsewhere.
3. The scope of work is **Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments,**

dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle. as per standard specification and standard practice of GETCO and as per EIC.

4. The above work shall be done as per GETCO's approved drawing/layout.
5. Necessary field quality plan of GETCO shall be implemented and necessary documentation shall also be maintained as per GETCO's norms and instruction of EIC. If required field quality plan shall be available at field offices.
6. During execution of subjected work safety check list shall be followed. Necessary check list will be available at our field office.
7. Successful bidder has to appoint site Engineer to maintained site register & FQP as per ISO.
8. All work should be done accordingly to ISO & FQP and all require documents including Filled FQP, testing results etc. should be submitted while handing over the completed work.
9. The quantity mentioned in price bid is tentative and may vary in actual work order.

Superintending Engineer (TR)
GETCO, Jambuva, C.O.

PART- I (GCC)
(C) GENERAL TERMS & CONDITIONS OF CONTRACT

A. INTRODUCTION

1.0 **DEFINITION OF TERMS**

1.1 The 'Contract' means the agreement entered into between the Owner and the Contractor as per the Contract Agreement signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

1.2 'Owner' shall mean the Gujarat Energy Transmission Corporation Ltd, Vadodara or any of its group companies. i.e. GUVNL, GSECL, MGVCL, DGVCL, PGVCL, UGVCL and shall include its legal representatives, successors and assigns.

1.3 'Sub-Contractor' shall mean the person named in the Contract for any part of the Works or any person to whom any part of the Contract has been sublet by the Contractor with the consent in writing of the Engineer and will include the legal representatives, successors and permitted assigns of such person.

1.4 'Contractor' shall mean the Bidder whose bid is accepted by the Owner for the award of the Works and shall include such successful Bidder's legal representatives, successors and permitted assigns.

1.5 'Engineer' shall mean the officer appointed in writing by the Owner to act as Engineer from time to time for the purpose of the Contract.

1.6 The terms 'Stores' and 'Materials' shall mean and include equipment, stores and materials to be issued to the Contractor under the Contract.

1.7 'Works' shall mean and include taking delivery of S/S material labour and services, as per the Specifications and complete erection, testing and putting into satisfactory operation including all transportation, handling, unloading and storage at the Site as defined in the Contract.

1.8 'Specifications' shall mean the Specifications and Bidding Document forming a part of the Contract and such other schedules and drawings as may be mutually agreed upon.

1.9 Site' shall mean and include the land and other places on, into or through which the works and the related facilities are to be erected or installed and any adjacent land, paths, street or reservoir which may be allocated or used by the Owner or Contractor in the performance of the Contract.

1.10 The term 'Contract Price' shall mean the lump-sum price quoted by the Contractor in his
bid with additions and/or deletions as may be agreed and incorporated in the Letter of Award and the contract agreement for the entire scope of the works.

1.11 The term "Erection portion" of the contract price shall mean the value of field activities of the works including erection, testing, and putting into satisfactory operation including successful completion of performance and guarantee test to be performed at site by the contractor including cost of insurances.

1.12 Site Engineer 'Inspector' shall mean the owner's Engineers or any person nominated by the time to inspect the equipment; stores or Works under the Contract and/or the duly authorized representative of the Owner.

1.13 'Notice of Award of Contract'/'Letter of Award'/'Telex of Award' shall mean the official notice issued by the Owner notifying the Contractor that his bid has been accepted.

1.14 'Order' shall mean the official letter issued by the Owner informing the acceptance of the bid.

1.15 Date of Contract' shall mean the date on which letter of commencement of work issued by the respective sub division deputy engineer.

1.16 'Month' shall mean the calendar month. 'Day' or 'Days' unless herein otherwise expressly defined shall mean calendar day or days of 24 hours each.

A 'Week' shall mean continuous period of seven (7) days.

1.17 Writing' shall include any manuscript, type written or printed statement, under or over signature and/or seal as the case may be.

1.18 When the words 'Approved', 'Subject to Approval', 'Satisfactory', 'Equal to', 'Proper', 'Requested', 'As Directed', 'Where Directed', 'When Directed', 'Determined by', 'Accepted', 'Permitted', or words and phrases of like importance are used the approval, judgment, direction etc. is understood to be a function of the Owner/Engineer.

1.19 Test on completion shall mean such tests as prescribed in the Contract to be performed by the Contractor before the work is taken over by the Owner.

1.20 'Performance and Guarantee Tests', shall mean all operational checks and tests required to determine and demonstrate capacity, efficiency, and operating characteristics as specified in the Contract Documents.

1.21 The term 'Final Acceptance'/'Taking Over' shall mean the Owner's written acceptance of the Works performed under the Contract, after successful commissioning/completion of Performance and Guarantee Tests, as specified in the accompanying Technical Specifications or otherwise agreed in the Contract.

1.22 'Latent Defects' shall mean such defects caused by faulty designs, material or work-man-ship which cannot be detected during inspection, testing etc, based on the technology available for carrying out such tests.

1.23 'Codes' shall mean the following including the latest amendments and/or replacements, if any:

a) Indian Electricity Act, 1905 and Rules and Regulations made there under.

b) Electricity Act 2003 and Rules & Regulations made there under.

c) Indian Factory Act, 1948 and Rules and Regulations made there under.

d) Indian Explosives Act, 1884 and Rules and Regulations made there under.

e) Indian Petroleum Act, 1934 and Rules and Regulations made there under.

f) A.S.M.E. Test Codes.

g) A.I.E.E. Test Codes.

h) American Society of Materials Testing Codes.

i) Standards of the Indian Standards Institution.

j) Other Internationally approved standards and/or rules and regulations touching the subject matter of the Contract.

1.24 Words imparting the singular only shall also include the plural and vice –versa where the context so requires.

1.25 Words imparting 'Person' shall include firms, companies, corporations and associations or bodies of individuals, whether incorporated or not.

1.26 Terms and expressions not herein defined shall have the same meaning as are assigned to them in the Indian Sale of Goods Act (1930), failing that in the Indian Contract Act (1872) and failing that in the General Clauses Act (1897) including amendments thereof, if any.

Or

1.27 In addition to the above the following definitions shall also apply.

a) 'All equipment and materials' to be supplied shall also mean 'Goods'.

b) 'Constructed' shall also mean 'erected and installed'.

c) 'Contract Performance Guarantee' shall also mean 'Contract Performance Security'.

1.28 GST / Cess means all applicable tax / cess under GST Laws, GST laws means IGST Act, GST (compensation to the state for loss of Revenue) Act, CGST Act, UTGST Act & SGSCT Act, 2017 and all related ancillary legislations.

1.29 Works contract means a contract for composite supply & covered under the definition of works contract as defined under section 2 (119) , of the CGST act , 2017 or SGST act ,2017 & similar provisions, applicable under the UTGST act, 2017 & the IGST act , 2017.

2.0 APPLICATION

These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

3.0 STANDARDS

The works carried out under this Contract shall conform to the all statutory regulation and provisions the acts, mentioned in the Technical Specifications, and, when no regulations or standard is mentioned, to the authoritative regulations or standards/ Act, appropriate to the works and such stipulations shall be the latest issued by the concerned institution.

4.0 LANGUAGE AND MEASURES

All documents pertaining to the Contract including specifications, schedules, notices, correspondences, operating and maintenance instructions, drawings or any other writing shall be written in English language. The Metric System of measurement shall be used exclusively in the Contract.

5.0 CONTRACT DOCUMENTS

5.1 The term Contract Documents shall mean and include the following which shall be deemed to form an integral part of the Contract:

a) Invitation to Bid including letter forwarding the Bidding Documents, Instructions to Bidders, General Terms and Conditions of Contract and all other documents included under Volume- I and the Special Conditions of Contract.

b) Specifications of the erection of the equipments and other technical services to be provided under the Contract as brought out in the accompanying Technical Specifications.

c) Contractor's Bid Proposal and the documents attached there to including the letters of clarifications thereto between the Contractor and the Owner prior to the Award of Contract except to the extent of repugnancy.

d) All the materials, literature, data and information of any sort given by the Contractor along with his bid, subject to the approval of the Owner /Consultant.

e) Letter of Award and any agreed variations of the conditions of the documents and special terms and conditions of Contract, if any.

5.2 In the event of any conflict between the above mentioned documents the matter shall be referred to the Engineer whose decision shall be considered as final and binding upon the parties.

6.0 USE OF CONTRACT DOCUMENTS AND INFORMATION

6.1 The Contractor shall not, without the Owner's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Owner in connection therewith, to any person other than a person employed by the Contractor in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for the purpose of such performance.

6.2 The Contractor shall not, without the Owner's prior written consent, make use of any document or information enumerated in various Contract documents except for the purpose of performing the Contract.

6.3 The Contractor shall not communicate or us in advertising, publicity, sales releases or in any other medium, photographs or other reproduction of the Works under this Contract, or descriptions of the site, dimensions, quantity, quality or other information, concerning the works unless prior written permission has been obtained from the Owner.

6.4 Any document, other than the Contract itself, enumerated in various Contract documents shall remain the property of the Owner and shall be returned (in all copies) to the Owner on completion of the Contractor's performance under the Contract if so required by the Owner.

7.0 CONSTRUCTION OF THE CONTRACT

7.1 Notwithstanding anything stated elsewhere in the bid documents, the Contract to be entered into will be treated as a single Contract.
Award shall be placed on the successful Bidder as follows:

For providing services like inland transportation, insurance for delivery at site, unloading, storage, handling at site, installation, testing and commissioning including performance testing in respect of all the equipment material equipment/materials given by the owner after observing standard store procedures for transport from owner's stores, insurance, unloading storage handling at site installation testing & commissioning.

7.2 In case erection Contract, or where the Owner hands over his equipment to the Contractor for executing, then the Contractor shall at the time of taking delivery of the equipment/dispatch documents be required to execute an Indemnity Bond in favor of the

Owner in the form acceptable to the SE(TR) GETCO Jambuva for keeping the equipment in safe custody and to utilize the same exclusively for the purpose of the said Contract. Samples of Performa for the Indemnity Bond will be furnished during award of Contract.

7.3 The Contract shall in all respects be construed and governed according to Indian Laws.

7.4 It is clearly understood that the total consideration for the Contract(s) has been broken up into various components only for the convenience of payment under the Contract(s) and for the measurement of deviations or modifications under the Contract(s).

8.0 JURISDICTION OF CONTRACT

8.1 The laws applicable to the Contract shall be the laws in force in India. The Courts of Vadodara shall have exclusive jurisdiction in all matters arising under this Contract.

9.0 EXECUTION OF CONTRACT:

9.1 The Owner, after the issue of the Letter of Award to the Contractor, will send one copy of the final agreement to the Contractor for his scrutiny and approval.

9.2 The Agreement, unless otherwise agreed to, shall be signed within 10 days of the acceptance of the Letter of Award, at the office the Owner at Jambuva on a date and time to be mutually agreed. The Contractor shall provide for signing of the Contract, Performance Guarantee, appropriate power of attorney and other requisite materials. In case the Contract is to be signed beyond the stipulated time, the Bid Guarantee submitted with the Proposal will have to be extended accordingly.

9.3 The duly notarized Agreement will be signed in copies to be specified and the Contractor shall be provided with one signed original and the rest will be retained by the Owner.

9.4 The Contractor shall provide free of cost to the Owner all the Engineering data, drawings, and descriptive materials submitted with the bid, to form a part of the Contract immediately after issue of Letter of Award

9.5 Subsequent to signing of the Contract, the Contractor at his own cost shall provide the Owner with copies of agreement within fifteen (15) days after the signing of the Contractor.

10.0 ENFORCEMENT OF TERMS

10.1 The failure of either party to enforce at any time any of the provisions of this Contract or any rights in respect thereto or to exercise any option therein provided, shall in no way be construed to be a waiver of such provisions, rights or options or in any way to affect the validity of the Contract. The exercise by either party of any of its rights herein shall not preclude or prejudice either party from exercising the same or any other right it may have under the Contract.

11.0 COMPLETION OF CONTRACT

11.1 Unless otherwise terminated under the provisions of any other relevant clause, this Contract shall be deemed to have been completed on the expiry of the guarantee period as provided for under the clause entitled ‘Guarantee’ in this section of the Volume-I.

B. GUARANTEES & LIABILITIES

12.0 TIME – THE ESSENCE OF CONTRACT

12.1 The time and the date of completion of the Contract as stipulated in the Contract by the Owner without or with modifications, if any, and so incorporated in the Letter of Award, shall be deemed to be the essence of the Contract. The Contractor shall so organize his resources and perform his work as to complete it not later than the date agreed to.

12.2 The Contractor shall submit a detailed bar chart within the time frame agreed consisting of adequate number of activities covering various key phases of the work such as field erection activities within five (5) days of the date of Notification of Award. This network shall also indicate the interface facilities to be provided by the Owner and the dates by which such facilities are needed. The Contractor shall discuss the network so submitted with the Owner and the agreed network shall form part of the Contract documents. During the performance of the Contract, if in the opinion of the Engineer, proper progress is not maintained, suitable changes shall be made in the Contractor's operations to ensure proper progress without any cost implication to the Owner. The interface facilities to be provided by the Owner in accordance with the agreed network shall also be reviewed while reviewing the progress of the Contractor.

12.3 Based on the above agreed network/bar chart fortnightly reports shall be submitted by the Contractor as directed by the Engineer.

12.4 Subsequent to the finalization of the network, the Contractor shall make available to the Engineer a detailed program in line with the agreed Contract network.
Such program shall be reviewed, updated and submitted to the Engineer every month thereafter.

12.5 The above bar charts/ program shall be compatible with the Owner's computer environment and furnished to the Owner on such media as may be desired by the Owner.

13.0 EFFECTIVENESS OF CONTRACT

The Contract shall be considered as having come into force from the date of the commencement given by the respective construction sub division unless otherwise provided in the notification of award.

14.0 PENALTY FOR DELAY

14.1 If the Contractor fails to successfully complete the work within the time fixed under the Contract, the Contractor shall pay to the Owner as penalty a sum specified for each specified period of delay. The details of such penalty are brought out in the accompanying Special Conditions of Contract (SCC).

14.2 Any delay that may take place in work excavation beyond Contractual cutoff date stated as per stipulated delivery period shall be subject to the penalty at the rate of ½ % of the delayed work value per week or part thereof, with a ceiling of 10 % of the total contract value plus applicable taxes (if any), detailed in the Special Conditions of Contract (SCC).

14.3 In event of failure of the Contractor to pay the amount of Penalty as demanded, the Owner shall be entitled to deduct the amount of Penalty for delay from the amounts payable to the Contractors under any bills raised under this contract or any other contract with the GUVNL and its Subsidiary Companies i.e. GETCO, GUVNL, GSECL, MGVCL, DGVCL, PGVCL UGVCL. It is permissible for the Owner to adjust the amount of Penalty of delay against any Bank Guarantee furnished by the Contractor under this contract or any other contract with GUVNL and/or its subsidiary companies.

14.4 The penalty will be deducted from bills payable either against this contract or from any Bank Guarantee or any other amount payable under any other contract with the GETCO.

15.0 GUARANTEE

15.1 In the event of any emergency where in the judgment of the Engineer, delay would cause serious loss or damages, repairs or adjustment may be made by the Engineer or a third

party chosen by the Engineer without advance notice to the Contractor and the cost of such work shall be paid by the Contractor. In the event such action is taken by the Engineer, the Contractor will be notified promptly and he shall assist wherever possible in making necessary corrections. This shall not relieve the Contractor of his liabilities under the terms and conditions of the Contract.

15.3 If it becomes necessary for the Contractor to rectify or renew any defective portions of the works the provision of this clause shall apply to portion of the works so rectified or corrected until the expiry of twelve (12) months from the date of such rectification or correction. If any defects are not rectified within a reasonable time, the Engineer may proceed to do the work at the Contractor's risk and cost but without prejudice to any other rights which the Owner may have against the Contractor in respect of such defects.

15.4 The rectification or correction of the work will be carried out free of cost by the Contractor. If any rectification or correction is carried out on his behalf at the site, the Contractor shall bear the cost of such rectification or correction.

15.5 The acceptance of the works by the Engineer shall in no way relieve the Contractor of his obligations under this clause.

15.6 At the end of the guarantee period, the Contractor's liability ceases except for latent defects. For latent defects, the Contractor's liability as mentioned in Clause Nos. 15.1 through 15.5 above, shall remain till the end of 6 months from the date of completion of guarantee period.

15.7 It is the responsibility of the contractor to handover the complete work free of all defects. If within a period of **one year** from the date of handing over the work it is noticed that any defects occur due to bad workmanship, it is the duty of the contractor to rectify / replace the same at his own cost. If within seven days from the date of receipt of such notice, the contractor does not take up the work, same will be carried out at his risk and cost.

16.0 TAXES, PERMITS & LICENCES

The Contractor shall be liable and pay all non-Indian taxes, duties, levies lawfully assessed against the Owner or the Contractor in pursuance of the Contract. In addition to this the Contractor shall be responsible for payment of all Indian duties including GST, levies and taxes, lawfully assessed against the Contractor for his personal income & property only.

17.0 DEFENCE OF SUITS

If any action in court is brought against the Owner or Engineer or an officer or agent of the Owner, for the failure, omission or neglect on the part of the Contractor to perform any acts, matters, covenants or things under the Contract, or for damage or injury caused by the alleged omission or negligence on the part of the Contractor, his agents, representatives or his Sub-Contractors, or in connection with any claim based on lawful demands of Sub-Contractors, workmen, suppliers or employees, the Contractor shall in all such cases indemnify and keep the Owner, and the Engineer and/or his representative, harmless from all losses, damages, expenses or decrees arising of such action.

18.0 LIMITATION OF LIABILITIES

The final payment by the Owner in pursuance of the Contract shall mean the release of the Contractor from all his liabilities under the Contract. Such final payment shall be made only at the end of the Guarantee/Warranty period or after finalization of material account and final bill and till such time as the Contractual liabilities and responsibilities of the Contractor, shall prevail. All other payments made under the Contract shall be treated as on-account payments.

19.0 ENGINEER'S DECISION

19.1 In respect of all matters which are left to the decision of the Engineer including the granting or with-holding of the certificates, the Engineer shall, if required to do so by the Contractor, give in writing a decision thereon.

19.2 If, in the opinion of the Contractor, a decision made by the Engineer is not in accordance with the meaning and intent of the Contract, the Contractor may file with the Engineer, within fifteen (15) days after receipt of the decision, a written objection to the decision.

Failure to file an objection within the allotted time will be considered as an acceptance of the Engineer's decision and the decision shall become final and binding.

19.3 The Engineer's decision and the filing of the written objection thereto shall be a condition precedent to the right to request arbitration. It is the intent of the Agreement that there shall be no delay in the execution of the works and the decision of the Engineer as rendered shall be promptly observed.

20.0 POWER TO VARY OR OMIT WORK

20.1 No alterations, amendments, omissions, suspensions or variations of the Works (hereinafter referred to as 'variation') under the Contract as detailed in the Contract Documents, shall be made by the Contractor except as directed in writing by the Engineer, but the Engineer shall have full powers subject to the provisions hereinafter contained, from time to time during the execution of the Contract, by notice in writing to instruct the Contractor to make such variation without prejudice to the Contract. The Contractor shall carry out such variation and be bound by the same conditions as far as applicable as though the said variations occurred in the Contract Documents. If any suggested variations would, in the opinion of the Contractor, if carried out, prevent him from fulfilling any of his obligations or guarantees under the Contract, he shall notify the Engineer thereof in writing and the Engineer shall decide forthwith whether or not, the same shall be carried out and if the Engineer confirms his instructions, the Contractor's obligations and guarantees shall be modified to such an extent as may be mutually agreed. Any agreed difference in cost occasioned by any such variation shall be added to or deducted from the Contract Price as the case may be.

20.2 In the event of Engineer requiring any variation, a reasonable and proper notice shall be given to the Contractor to enable him to work his arrangement accordingly, and in cases where goods or materials are already prepared or any design, drawings or pattern made or work done as per the contract requires to be altered, a reasonable and agreed sum in respect thereof shall be paid to the Contractor.

20.3 In any case in which the Contractor has received instructions from the Engineer as to the requirement of carrying out the alterations or additional or substituted work which either then or later on, will in the opinion of the Contractor, involve a claim for additional payment, the Contractor shall immediately and in no case later than thirty (30) days, after receipt of the instructions aforesaid and before carrying out the instructions, advise the Engineer to that effect. But the Engineer shall not become liable for payment of any charges in respect of any such variations, unless the instructions for the performance of the same shall be confirmed in writing by the Engineer.

20.4 If any variation in the Works results in reduction of Contract Price, the parties shall agree, in writing, so to the extent of any change in the price, before the Contractor proceeds with the change.

20.5 In all the above cases, in the event of a disagreement as to the reasonableness of the said sum, the decision of the Engineer shall prevail.

20.6 Notwithstanding anything stated above in this clause, the Engineer shall have the full power to instruct the Contractor, in writing, during the execution of the Contract to vary the quantities of the items or groups of items in accordance with the provisions of clause entitled 'Change of Quantity' in section GCC of this Volume-I. The Contractor shall carry out such variations and be bound by the same conditions as though the said variations occurred in the Contract Documents. However, the Contract Price shall be adjusted at the rates and the prices provided for the original quantities in the Contract.

21.0 ASSIGNMENT AND SUB-LETTING OF CONTRACT:

No subletting of contract is allowed. Contractor should carry out work on his own under his or his authorized supervisor and by labours employed by him.

22.0 CHANGE OF QUANTITY

22.1 During the execution of the Contract, the Owner reserves the right to increase or decrease the quantities of items under the Contract but without any change in unit price or other terms & conditions. Such variations unless otherwise specified in the accompanying Special Conditions of Contract and/or Technical Specifications, shall not be subjected to any limitation for the individual items but the **total variations in all such items under the Contract shall be limited to a percentage of the Contract price as specified in the Special Conditions of Contract.**

22.2 The Contract price shall accordingly be adjusted based on the unit rates available in the Contract for the change in quantities as above. The base unit rates, as identified in the Contract shall however remain constant during the currency of the Contract, except as provided for in Clause 33.0 below. In case the unit rates are not available for the change in quantity, the same shall be subjected to mutual agreement.

23.0 COOPERATION WITH OTHER CONTRACTORS AND CONSULTING ENGINEERS

The Contractor shall agree to cooperate with the Owner's other Contractors and Consulting Engineers and freely exchange with them such technical information as is necessary to obtain the most efficient and economical design and to avoid unnecessary duplication of efforts. The Engineer shall be provided with three copies of all correspondence addressed by the Contractor to other Contractors and Consulting Engineers of the Owner in respect of such exchange of technical information, wherever needed.

24.0 NO WAIVER OF RIGHTS

Neither the inspection by the Owner or the Engineer or any of their officials, employees, or agents nor any order by the Owner or the Engineer for payment of money or any payment for or acceptance of, the whole or any part of the Works by the Owner or the Engineer, nor any extension of time, nor any possession taken by the Engineer shall operate as a waiver of any provision of the Contract, or of any power herein reserved to the Owner or any right to damages herein provided nor shall any waiver of any breach in the Contract be held to be a waiver of any other or subsequent breach.

25.0 CERTIFICATE NOT TO AFFECT RIGHT OF OWNER AND LIABILITY OF THE CONTRACTOR.

No interim payment certificate of the Engineer, nor any sum paid on account by the Owner, nor any extension of time for execution of the Works granted by the Engineer shall affect or prejudice the rights of the Owner against the Contractor or relieve the

Contractor of his obligation for the due performance of the Contract, or be interpreted as approval of the Works done or of the equipment furnished and no certificate shall create liability for the Owner to pay for alterations, amendments, variations or additional works not ordered, in writing , by the Engineer or discharge the liability of the Contractor for the payment of damages whether due, ascertained, or certified or not or any sum against the payment of which he is bound to indemnify the Owner, nor shall any such certificate nor the acceptance by him of any sum paid on account or otherwise affect or prejudice the rights of the Owner against the Contractor.

26.0 PROGRESS REPORTS

During the various stages of the work in pursuance of the Contract, the Contractor shall at his own cost submit periodic progress reports as may be reasonably required by the Engineer with such materials as, charts, net-works, photographs, test certificates, etc. Such progress reports shall be in the form and size as may be required by the Engineer.

27.0 BAR CHARTS

The Bidder shall furnish along with the bid, the bar charts and project schedules indicating starting and completion dates of each activity. This is mandatory condition the tenders without which shall be liable to be rejected.

28.0 TAKING OVER

Upon successful completion of work of erection of tower line by the Contractor, the Engineer shall issue to the Contractor a completion Certificate as a proof of the final acceptance of the erected line / Substation. Such certificate shall not unreasonably be withheld nor will the Engineer delay the issuance thereof on account of minor omissions or defects which do not affect the commercial operation and/or cause any serious risk to the erected line/ Substation. Such certificate shall not relieve the Contractor of any of his obligations which otherwise survive, by the terms and conditions of the Contract after issue of such certificate.

C. CONTRACT SECURITY AND PAYMENTS

29.0 CONTRACT PERFORMANCE GUARANTEE

The Contractor shall furnish Contract Performance Guarantee(s) for the proper fulfillment of the Contract in the prescribed form within fifteen (15) days of “Notice of Award of Contract”. The performance guarantee(s) shall be as per terms prescribed.

30.0 PAYMENT

30.1 The payment to the Contractor for the performance of the works under the Contract will be made by the Owner as per the guidelines and conditions specified herein. All payments made during the Contract shall be on account payments only. The final payment will be made on completion of all Works and on fulfillment by the Contractor of all his liabilities under the Contract.

30.2 Currency of Payment

All payments under the Contract shall be in Indian Rupees only.

30.3 Terms.

Payment terms will be as prescribed in the special conditions of contract and on fulfillment of conditions specified thereof.

31.0 Payment Schedule:

31.1 Application for Payment

31.2 The Contractor shall submit application for the payment in the prescribed proforma of the Owner. Performa for application for payment will be as prescribed.

31.3 Each such application shall state the amount claimed and shall set forth in detail, in the order of the Payment Schedule, particulars of the Works including the Works executed

at Site and of the equipment shipped/brought on to the site pursuant to the Contract up to the date mentioned in the application and for the period covered since the last preceding certificate, if any.

31.4 Every interim payment certificate shall certify the Contract value of the Works executed up to the date mentioned in the application for the payment certificate, provided that no sum shall be included in any interim payment certificate in respect of the works that, according to the decision of the Engineer, does not comply with the Contract.

31.5 Mode of Payment
Payment due on completion of work shall be made by the Owner through Owner's Bank or directly to the Contractor as per the payment schedule.

31.6 All payments under the Contract shall be made as stipulated in the Special Conditions of Contract after signing the Contract Agreement.

Progressive payments linked with erection shall only be made after the issue of certificates by the Engineer, one for the quantum of work completed and the other for the successful completion of quality check points involved in the quantum of work billed.

32.0 DEDUCTIONS FROM CONTRACT PRICE

All costs, damages or expenses which the Owner may have paid, for which under the Contract the Contractor is liable, or any other retention award will be claimed by the Owner. All such claims shall be billed by the Owner to the Contractor regularly as and when they fall due. Such bills shall be supported by appropriate and certified vouchers or explanations, to enable the Contractor to properly identify such claims. Such claims shall be paid by the Contractor within thirty (30) days of the receipt of the corresponding bills and if not paid by the Contractor within the said period, the Owner may then deduct the amount, from any monies due or becoming due by him to the Contractor under the Contract or may be recovered by sections of Law or otherwise.

D. RISK DISTRIBUTION

33.0 INSURANCE

33.1 The Contractor at his cost shall arrange, secure and maintain all insurance as may be pertinent to the Works and obligatory in terms of law to protect his interest and interests of the Owner against all perils detailed herein. The form and the limit of such insurance as defined herein together with the under-writer in each case shall be acceptable to the Owner. However, irrespective of such acceptance, the responsibility to maintain adequate insurance coverage at all time during the period of Contract shall be of Contractor alone. The Contractor's failure in this regard shall not relieve him of any of his contractual responsibilities and obligations. The insurance covers to be taken by the Contractor shall be in the joint name of the Owner and the Contractor. The Contractor shall, however, be authorized to deal directly with Insurance Company or Companies and shall be responsible in regard to maintenance of all insurance covers. Further the insurance should be in freely convertible currency.

33.2 Any loss or damage to the material during handling, transportation, storage, erection, and all activities to be performed till the successful completion of commissioning of the line shall be to the account of the Contractor. The Contractor shall be responsible for preference of all claims and make good the damages or loss by way of repairs and/or replacement of the equipment, damaged or lost. The transfer of title shall not in any way relieve the Contractor of the above responsibilities during the period of Contract. The Contractor shall provide the Owner with copy of all insurance policies and documents taken out by him in pursuance of the Contract. Such copies of documents shall be submitted to the Owner immediately after such insurance coverage. The Contractor shall also inform the Owner in writing at least sixty (60) days in advance regarding the

expiry/cancellation and/or change in any of such documents and ensure revalidation, renewal etc., as may be necessary well in time.

33.3 The perils required to be covered under the insurance shall include, but not be limited to fire and allied risks, miscellaneous accidents (erection risks) workman compensation risks, loss or damage in transit, theft, pilferage, riot and strikes and malicious damages, civil commotion, weather conditions, accidents of all kinds, etc. The scope of such insurance shall be adequate to cover the replacement/reinstatement cost of the equipment for all risks up to and including delivery of goods and other costs till the equipment is delivered at Site. The insurance policies to be taken should be on replacement value basis and/or incorporating escalation clause. Notwithstanding the extent of insurance cover and the amount of claim available from the underwriters, the Contractor shall be liable to make good the full replacement/rectification value of all equipment/materials and to ensure their availability as per project requirements.

33.4 All costs on account of insurance liabilities covered under the Contract will be on Contractor's account and will be included in Contract Price, However, the Owner may from time to time, during the pendency of the Contract, ask the Contractor in writing to limit the insurance coverage, risks and in such a case, the parties to the Contract will agree for a mutual settlement, for reduction in Contract price to the extent of reduced premium amount. The Contractor, while arranging the insurance shall ensure to obtain all discounts on premium which may be available for higher volume or for reason of financing arrangement of the project.

33.5 The clause entitled 'Insurance' under the section ECC of this Volume-I, covers the additional insurance requirements for the portion of the works to be performed at the Site.

33.6 Special Conditions of Contract details out the various insurance liabilities.

34.0 LIABILITY FOR ACCIDENTS AND DAMAGES

Under the Contract, the Contractor shall be responsible for loss or damage to the plant until the successful completion of commissioning as defined elsewhere in the Bid document.

35.0 DELAYS BY OWNER OR HIS AUTHORISED AGENTS

35.1 In case the Contractor's performance is delayed due to any act of omission on the part of the Owner or his authorized agents, then the Contractor shall be given due extension of time for the completion of the Works, to the extent such omission on the part of the Owner has caused delay in the Contractor's performance of the Contract.

Regarding reasonableness or otherwise of the extension of time, the decision of the Engineer shall be final.

35.2 In addition, the Contractor shall be entitled to claim demonstrable and reasonable compensation if such delays have resulted in any increase in cost. The Owner shall examine the justification for such a request for claim and if satisfied, the extent of compensation shall be mutually agreed depending upon the circumstances at the time of such an occurrence.

36.0 DEMURRAGE, WHARFAGE, ETC.

All demurrage, warfare and other expenses incurred due to delayed clearance of the material or any other reason shall be to the account of the Contractor.

37.0 FORCE MAJEURE

37.1 Force majeure is herein defined as any cause which is beyond the control of the Contractor or the Owner as the case may be, which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affects the performance of the Contract, such as:

a. Natural phenomena, including but not limited to floods, droughts, earthquakes and epidemics;

b. Acts of any Government, domestic or foreign, including but not limited to war, declared or undeclared, priorities, guarantees, and embargoes.

Provided either party shall within fifteen (15) days from the occurrence of such a cause notify the other in writing of such causes.

37.2 The Contractor or the Owner shall not be liable for delays in performing his obligations resulting from any force majeure cause as referred to and/or defined above:

The date of completion will, subject to hereinafter provided, be extended by a reasonable time even though such cause may occur after Contractor's performance of obligation has been delayed due to other causes.

38.0 SUSPENSION OF WORK

38.1 The Owner reserves the right to suspend and reinstate execution of the whole or any part of the Works without invalidating the provisions of the Contract. Orders for suspension or reinstatement of the Works will be issued by the Engineer to the Contractor in writing. The time for completion of the works will be extended for a period equal to duration of the suspension.

38.2 Any necessary and demonstrable cost incurred by the Contractor as a result of such suspension of the works will be paid by the Owner, provided such costs are substantiated to the satisfaction of the Engineer. The Owner shall not be responsible for any liabilities if suspension or delay is due to some default on the part of the Contractor or his Sub-Contractor.

39.0 "RIGHTS OF THE OWNER:

Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the Contractor, the Owner shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in port from the security, If any, deposited by the Contractor and for the purpose aforesaid, the Owner shall be entitled to encash and withhold the amount of Performance Bank Guarantee or other security, if any, furnished as the case may be. The Owner shall also have a lien over the same pending finalization or adjudication of any such claim. In the event of the security is insufficient to cover the claimed amount or amounts, the Owner shall be entitled to withhold and have lien to retain to the extent of the such claimed amount or amounts referred to above, from any sum or sums found payable or which at any time thereafter may become payable to the Contractor under the same contract or any other contract with the Owner or GUVNL or its subsidiary companies pending finalization or adjudication of any such claim.

Lien in respect of Claims in other Contracts:

a) Any sum of money due and payable, to the Contractor (Including the security deposit) under the contract may be withheld or retained by way of lien by the Owner against any of its claim in respect of payment of a sum of money arising out of or under any other contract made by the Contractor with the Owner or GUVNL or any of its subsidiary companies.

b) It is on agreed that the sum of money so withheld or retained under this clause by the Owner will be kept withheld or retained as such by the Owner till its claim arising out of the same contract or any other contract is either mutually settled or determined by the arbitrator or competent court, as the case may be, and the Contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and as may be duly notified to the Contractor.

40.0 CONTRACTOR`S DEFAULT

40.1 If the Contractor shall neglect to execute the works with due diligence and expedition or shall refuse or neglect to comply with any reasonable order given to him, in writing by the Engineer in connection with the works or shall contravene the provisions of the Contract, the Owner may give notice in writing to the Contractor to make good the failure, neglect or contravention complained of. Should the Contractor fail to comply with the notice within thirty (30) days from the date of serving the notice, then and in such case the Owner shall be at liberty to employ other workmen and forthwith execute such part of the works as the Contractor may have neglected to do or if the Owner shall think fit, without prejudice to any other right he may have under the Contract to take the work wholly or in part out of the Contractor's hands and re-contract with any other person or persons to complete the works or any part thereof and in that event the Owner shall have free use of all Contractor's equipment that may have been at the time on the Site in connection with the works without being responsible to the Contractor for fair wear and tear thereof and to the exclusion of any right of the Contractor over the same, and <u>If the sum that the contractor is entitled to be paid plus the costs incurred by the Owner in completing the works, exceeds the Contract Price or the entire works if entire works have been completed or the price for part of the work if part of the works have been completed, the Contractor shall be liable for such excess.</u>

<u>If such excess is greater than the sums due to the Contractor, the Contractor shall pay the balance to the Owner and if such excess is less than the sums due to the Contractor, Owner shall pay the balance to the Contractor. For facilitating such payment, Owner shall pay the balance to the contractor. For facilitating such payment, Owner shall encash the Bank Guarantees of Contactor available with Owner/s and retain such other payment due to the Contractor under the Contract in question or any other Contract that the Owner/s may have with the Contractor.</u> Such payment of excess amount shall be independent of the liquidated damages for delay which the Contractor shall have to pay if the completion of works is delayed.

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40.2 In addition, such action by the Owner as aforesaid shall not relieve the Contractor of his liability to pay liquidated damages for delay in completion of Works as defined in Clause 14.0 of this Section.

40.3 Such action by the Owner as aforesaid the termination of the Contract under this clause shall not entitle the Contractor to reduce the value of the Contract Performance Guarantee nor the time thereof. The Contract Performance Guarantee shall be valid for the full value and for the full period of the Contract including guarantee period.

41.0 TERMINATION OF CONTRACT ON OWNER`S INITIATIVE

41.1 The Owner reserves the right to terminate the Contract either in part or in full due to reasons other than those mentioned under clause entitled 'Contractor's Default'. The Owner shall in such an event give fifteen (15) days notice in writing to the Contractor of his decision to do so.

41.2 The Contractor upon receipt of such notice shall discontinue the work on the date and to the extent specified in the notice, make all reasonable efforts to obtain cancellation of all orders and Contracts to the extent they are related to the work terminated and terms satisfactory to the Owner, stop all further sub-contracting or purchasing activity related to the work terminated, and assist Owner in maintenance, protection, and disposition of the works acquired under the Contract by the Owner.

In the event of such a termination the Contractor shall be paid compensation, equitable and reasonable, dictated by the circumstances prevalent at the time of termination.

41.3 If the Contractor is an individual or a proprietary concern and the individual or the proprietor dies and if the Contractor is a partnership concern and one of the partners dies then unless the Owner is satisfied that the legal representatives of the individual Contractor or of the proprietor of the propriety concern and in the case of partnership, the surviving partners, are capable of carrying out and completing the Contract the Owner shall be entitled to cancel the Contract as to its incomplete part without being in any way liable to payment of any compensation to the estate of deceased Contractor and/or to the surviving partners of the Contractor's firm on account of the cancellation of the Contract. The decision of the Owner that the legal representatives of the deceased Contractor or surviving partners of the Contractor's firm cannot carry out and complete the Contract shall be final and binding on the parties. In the event of such cancellation the Owner shall not hold the estate of the deceased Contractor and/or the surviving partners of the estate of the deceased Contractor and/or the surviving partners of the Contractor's firm liable to damages for not completing the Contract.

42.0 FRUSTRATION OF CONTRACT

42.1 In the event of frustration of the Contract because of supervening impossibility in terms of Section 56 of the Indian Contract Act, parties shall be absolved of their responsibility to perform the balance portion of the Contract, subject to provisions contained in sub-clause 42.3 below.

42.2 In the event of non-availability or suspension of funds for any reasons, whatsoever (except for reason of willful or flagrant breach by the Owner) and/or Contractor then the works under the Contract shall be suspended.

Furthermore, if the Owner is unable to make satisfactory alternative arrangements for financing to the Contractor in accordance with the terms of the Contract within three months of the event, the parties hereto shall be relieved from carrying out further obligations under the Contract treating it as frustration of the Contract.

42.3 In the event referred to in sub-clauses 42.1 & 42.2 above the parties shall mutually discuss to arrive at reasonable settlement on all issues including amounts due to either party for the work already done on quantum merit basis which shall be determined by mutual agreement between the parties.

43.0 GRAFTS AND COMMISSIONS ETC.

Any graft, commission, gift or advantage given, promised or offered by or on behalf of the Contractor or his partner(s), agent(s), officer(s), director(s), employee(s) or servant(s) or any one on his or their behalf in relation to the obtaining or to the execution of this or any other Contract with the Owner, shall in addition to any criminal liability which it may incur, subject the Contractor to the cancellation of this and all other Contracts and also to payment of any loss or damage to the Owner resulting from any cancellation. The Owner shall then be entitled to deduct the amount so payable from any monies otherwise due to Contractor under the Contract.

E. RESOLUTION OF DISPUTES

44.0 SETTLEMENT OF DISPUTES

44.1 Any dispute(s) or difference(s) arising out of or in connection with the Contract shall, to the extent possible, be settled amicably between the parties.

44.2 If any dispute or difference of any kind, whatsoever, shall arise between the Owner and the Contractor, arising out of the Contract for the performance of the Works whether during the progress of the Works or after its completion or whether before or after the termination, abandonment or breach of the Contract, it shall, in the first place, be referred to and settled by the Engineer, who, within a period of thirty (30) days after being requested by either party to do so, shall give written notice of his decision to the Owner and the Contractor.

44.3 Save as hereinafter provided, such decision in respect of every matters so referred shall be final and binding upon the parties until the completion of the Works and shall forthwith be given effect to by the Contractor who shall proceed with the Works with all due diligence, whether he or the Owner requires arbitration as hereinafter provided or not.

44.4 If after the Engineer has given written notice of his decision to the parties, no claim to arbitration has been communicated to him by either party within thirty (30) days from the receipt of such notice, the said decision shall become final and binding on the parties.

44.5 In the event of the Engineer failing to notify his decision as aforesaid within thirty (30) days after being requested as aforesaid, or in the event of either the Owner or the Contractor being dissatisfied with any such decision, or within thirty (30) days after the expiry of the first mentioned period of thirty days, as the case may be, either party may require that the matters in dispute be referred to arbitration as hereinafter provided.

45.0 ARBITRATION

45.1 All disputes or differences in respect of which the decision, if any, of the Engineer has not become final or binding as aforesaid shall be settled by arbitration in the manner hereinafter provided.

45.1.1 The arbitration shall be conducted by three arbitrators, one each to be nominated by the Contractor and the Owner and the third to be appointed as an umpire by both the arbitrators in accordance with the Indian Arbitration Act. If either of the parties fails to appoint its arbitrator within sixty (60) days after receipt of a notice from the other party invoking the Arbitration clause, the arbitrator appointed by the party invoking the arbitration clause shall become the sole arbitrator to conduct the arbitration.

45.1.2 The arbitration shall be conducted in accordance with the provisions of the Indian Arbitration Act, 1940 or any statutory modification thereof. The venue of arbitration shall be Vadodara.

45.2 The decision of the majority of the arbitrators shall be final and binding upon the parties. The arbitrators may, from time to time with the consent of all the parties enlarge the time for making the award. In the event of any of the aforesaid arbitrators dying, neglecting, resigning or being unable to act for any reason, it will be lawful for the party concerned to nominate another arbitrator in place of the outgoing arbitrator.

45.3 The arbitrator shall have full powers to review and/or revise any decision, opinion, direction, certification or valuation of the Engineer in accordance with the Contract, and neither party shall be limited in the proceedings before such arbitrators to the evidence or arguments put before the Engineer for the purpose of obtaining the said decision.

45.4 No decision given by the Engineer in accordance with the foregoing provisions shall disqualify him as being called as a witness or giving evidence before the arbitrators on any matter whatsoever relevant to the dispute or difference referred to the arbitrators as aforesaid.

45.5 During settlement of disputes and arbitration proceedings, both parties shall be obliged to carry out their respective obligations under the Contract.

46.0 Dispute Resolution Mechanism

FOR WORKS CONTRACTS & COMPOSITE CONTRACTS :

Arbitration underthe Works Tribunal constituted under the Gujarat Public Work Contracts Disputes Arbitration Tribunal Act, 1992;

(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 46.0, 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."

47.0 RECONCILIATION OF ACCOUNTS

The Contractor shall prepare and submit every two months, a statement covering payments claimed and the payments received vis-a-vis the works executed, for reconciliation of accounts with the Owner. The Contractor shall also prepare and submit a detailed account of Owner Issue materials received and utilized by him for reconciliation purpose in a format to be discussed & finalized with the Owner before the award of Contract.

TAKING DELIVERY AND INSURANCE

48.1 The contractor has to take delivery from construction store of Tower material, H-frame structure material, conductor & line material keeps S/S materials in safe custody and transport to the respective sites and will be fully responsible for any damage to or loss of all materials at any stage during transportation or erection or taking over of the line by GETCO.

48.2 The Contractor has to open site store and ensure for safe custody of all the stored materials at his own cost.

48.3 The Contractor shall have total responsibility for the entire tower & line materials stored, loose, semi assembled and/or erected by him at site in his custody. The Contractor shall make suitable security arrangements at his own cost to ensure the protection of all materials, equipment and works from theft, fire pilferage and any other damages and loss. It shall be the responsibility of the contractor to arrange for security till the works are finally taken over by the Corporation.

49.0 STORAGE-CUM-ERECTION INSURANCE:-

The contractor shall take suitable storage-cum-erection insurance cover at his cost to the extent of 100% Cost of S/S / Line material, which is required to complete the S/s / line / shifting work. Bidder shall have to take the comprehensive Marine Cum Erection (Overall) insurance policy against any loss, damage, theft, pilferage, fire etc. for the complete period of storage, erection and commissioning up to the time of taking over of the sub-station / line by GETCO. However, if the work is not completed within the stipulated time limit as mentioned into work order, the MCE shall be extended by the contractor up to the work completion and taking over of the line or S/s by

GETCO. Moreover, the charge for extension of insurance shall be borne by contractor if the delay is attributed to the contractor. The charge for extension of insurance shall be reimbursed by GETCO to the contractor on production of proof for extension of MCE if the delay is attributed on the part of GETCO. The contractor shall deal directly and pursue the claim with the insurance company and shall be responsible in regard to maintenance of all insurance coverage as well as for settlement of claim. The proof of insurance policy taken by the contractor shall be furnished / submitted to engineer-in-charge of GETCO.

No material shall be issued to bidder/erection agency in absence of such insurance policy. The risk shall be covered for lifting of materials from store to final handing over to GETCO. Further, in absence of the above insurance policy, R.A.bill payment will be withheld.

Bidder shall note that storage cum erection insurance is to be taken at his own cost and amount of material for erection to complete the scope of substation work is to be considered **Rs. 153.00 Lac.**

50.0 Termination of Contract:

In case of contractor fails to complete the transmission line work or part thereof within contractual period or in case the work is found not in accordance with prescribed specification the GETCO shall exercise its discretionary power either:

50.1 To recover, from the contractor as agreed, by way of penalty clause above applicable taxes (if any)

50.2 To get the work done other contractor after giving due notice to the contractor on account and at the risk of the contractor for such work executed or other similar description without canceling the contract in respect of the works not yet due for completion or

51.0 To cancel the contract.

In the event of the risk works of similar description, the opinion of the GETCO shall be final. In the event of action taken under clause (A) or (B) above, the contractor shall be liable to pay for any loss which the GETCO may sustain on that account, but the contractor shall not be entitled to have any saving on such purchases made against default.

The decision of the GETCO shall be final as regards to the acceptability of stores supplied by the contractor and the GETCO shall not be required to give any reason in writing or otherwise at any time for rejection of the stores.

52.0 LABOUR LAWS:

52.1 Persons below the age of 18 years shall not be employed for the work. No female worker shall be employed in the night shift between 07.00 p.m. and 06.00 a.m. next day.

52.2 Contractor shall maintain a valid labor license under the contract Labor (Regulation and abolition) Act for employing necessary manpower required by him. In the absence of such license, the contract shall be liable to be terminated without assigning any reason thereof.

52.3 The Contractor shall at his own expenses comply with all labor laws and keep the GETCO indemnified in respect thereof. Some of the major liabilities under various labor and industrial laws which the Contractor shall comply with, are as under:

i) 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 the Government of Gujarat / Government of India or other Statutory Authority.

ii) Payment of deposit in respect of each contract labor at the rate of Rs. 30/- or later prevailing rate with the Office of Commissioner of Labor as per the Contract Labor (Regulation and Abolition) Act.

iii) License fee as prescribed under the Contract Labor (Regulation and Abolition) Act and Rules framed there under depending upon the number of workmen.

iv) Paid leave facility and wages as per the provision of the Factories Act at the rate of one day for every 20 days of working.

v) Identity cards as prescribed under the Factories Act with photo affixed thereto, for identification.

vi) Payment of retrenchment compensation, Notice Pay and other liabilities as per Industrial Dispute Act. Any payment to the Contractor's employee arising out of any claim of disputes under the Industrial Disputes Act 1947 or any other Labour Laws.

vii) Payment of compensation in case of accidental injury.

viii) Provision of crèche if the female laborers employed are more than 30.

ix) Maternity Leave as per the provisions of the Maternity Benefit Act.

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 o India, which the Contractor shall have to comply with.

52.4 PROVIDENT FUND AND FAMILY PENSION SCHEME:

The Contractor shall submit along with his bills (month wise) a statement regarding deduction against employees Provident Fund and Family Pension Scheme in respect of each concerned employee. Provident Fund and Family Pension Scheme at the rate of 18% (or at the rate made applicable by the Government from time to time of the wages. The Contractor's contribution and his worker's contribution towards Provident Fund and Family Pension Scheme shall be deposited by the Contractor with Regional Provident Fund Commissioner, Ahmedabad.

52.5 DEPOSIT LINKED INSURANCE SCHEME

The contractor shall have to deposit ½ % of the wages in respect of employees who is a member of the Provident Fund, as the contribution to the Deposit Linked Insurance Scheme with Regional Provident Fund Commissioner, Ahmedabad.

52.6 ADMINISTRATIVE CHARGES:

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

52.7 PAID LEAVE FACILITY:

Paid Leave Facility at the rate of one day for every twenty days worked by the Contract Labor, shall be provided by the Contractor to his workers. He shall maintain Leave Records, Leave Cards, for individual laborer which shall be duly verified, approved and certified by the authorized Officer of the GETCO.

52.8 WORKMAN'S COMPENSATION FUND AND EMPLOYER'S LIABILITY INSURANCE:

The contractor shall cover all his employees under workmen's compensation fund and under the liability insurance. The purchaser shall not be responsible for any payments of compensation to the workers/supervisor of the contractor for fatal or non-fatal accidents during the pungency of the contract.

52.9 The contractor shall employ adequate number of experienced skilled 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.

52.10 CONTRCTOR TO INDEMNIFY THE GETCO:

The Contractor shall Indemnify the GETCO and every member officer and employees of the GETCO 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 herein above elsewhere and against all actions, proceedings, claims, demands, costs and expenses which may be made against the GETCO or Government for or in respect of performance of his obligation under the contract documents. The GETCO shall not be liable for intervention of authority Government for or in respect of performance of his obligation under the contract documents. The GETCO shall not be liable for or in respect of or in consequence of any accident or injury to any workman or other person in the employment of the Contractor or his Sub-Contractor and the contractor shall indemnify and keep indemnified the GETCO against all claims, demands, proceedings, cost, charges and expenses whatsoever in respect thereof or in relation thereto.

52.11 WORKMEN'S COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE

Insurance shall be affected for all the Contractor's employee engages in the performance of this contract. If any of the work is sublet, the Contractor shall require the Sub-Contractor to provide

workmen's employer's liability insurance for the latter's employees, such employees shall be covered under the Contractor's Insurance.

52.12 WAGES TO BE PAID & TIME OF PAYMENT ETC. BY THE CONTRACTOR

a) The Contractor shall pay minimum wages per day to his Labors/ Workers as per rates fixed under the minimum wages act. The wages of every Contract Labor employed by him under this contract shall also be paid by him before the expiry of 7th day of the last day of the month in respect of the wages are payable (i.e. wages of a month have to be paid by him in the first week of the next month). Any default will result in cancellation of contract forthwith or else the contractor shall be punishable to the extent of Rs. 100/- per each day or as per the prevailing rules of labor laws.

b) The Contractor shall give his Telephone Number and Address to the GETCO, so that, in case of labor trouble etc. the Contractor can be contacted. The Contractor shall arrange to have his office outside the factory work premises and the Contractor shall arrange to have his office outside the factory work premises and the Contractor shall keep himself present throughout the working hours.

53.0 REGISTRATION WITH PROVIDENT FUND OFFICE

I) The separate P.F. code issued from P.F. commissioner is required to be taken by contractor.

ii) If the contractor does not possess separate P.F. code number of RPFC, his tender will not be considered for acceptance.

iii) The contractor should mention separate P.F. code number allotted by PPFC, along with the tender.

54.0 Relationship with employee:

Every bidder should, at time of submission of bid, give a declaration as under,

"If in any Bidder Company / Firm, the interest (i.e. Shareholding in company and share in partnership firm) of any employee of the tendering Company or his / her relative as defined in section 2(77) of the Company's Act. 2013 is 10% or more, the tendering Company will not deal with such Company / Firm at all.

Tenderer therefore, must specifically disclose the fact in his technical bid. Non-disclosure of such facts would immediately disqualify the tenderer for further dealing with the tendering company."

55.0 Conflict of Interest among Bidders / Agents

A bidder shall not have conflict of interest with other bidders. 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, 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, that bidder shall not have conflict of interest with other bidders, as above.

56.0 Responsibility for correctness of the information submitted in the bid lies with bidder. If any information furnished in the bid is proved to be false at a later date, GETCO reserve right to reject the bid and the bid will not only be rejected but the bidder will be BLACKLISTED as per GUVNL Policy.

Date:
(Signature of Contractor)
Address:
Seal:

Superintending Engineer (TR)
GETCO,C.O., Jambuva

PART-I ECC
ERECTION CONDITIONS OF CONTRACT

1.0 GENERAL

1.1 The following shall supplement the conditions already contained in other parts of these specifications & document and shall govern the portion of the work of this Contract to be performed at Site.

1.2 The Contractor upon signing of the Contract shall, nominate a responsible officer as his representative at Site suitably designated for the purpose of overall responsibility and coordination of the works to be performed at Site. Such person shall function from the Site office of the Contractor during the pendency of Contract.

2.0 REGULATION OF LOCAL AUTHORITIES AND STATUTES

2.1 The Contractor shall comply with all the rules and regulations of local authorities during the performance of his field activities. He shall also comply with the Minimum Wages Act, 1948 and the Payment of Wages Act (both of the Government of India) and the rules made there under in respect of any employee or workman employed or engaged by him or his Sub-Contractor. He shall abide by labour laws and others as specified in the special conditions of contract.

2.2 All registration and statutory inspection fees, if any, in respect of his work pursuant to this Contract shall be to the account of the Contractor. Should any such inspection or registration need to be re-arranged due to the fault of the Contractor or his Sub Contractor, the additional fees to such inspection and/or registration also shall be borne by the Contractor.

3.0 OWNER'S LIEN ON EQUIPMENT

The Owner shall have lien on all tower, H-frame, Stringing and other line material brought to the Site for the purpose of erection, testing and commissioning of the line to be erected under the Contract. The Owner shall continue to hold the lien on all such material throughout the period of Contract. No material brought to the Site shall be removed from the Site by the Contractor and/or his Sub-Contractors without the prior written approval of the Engineer.

4.0 CONTRACTOR'S SITE ESTABLISHMENT

The Contractor shall at all times keep posted an authorized representative for the purpose of the Contract. Any written order or instruction of the Engineer or his duly authorized representative shall be communicated to the said authorized resident representative of the Contractor and the representative shall be available at a stated address for this purpose.

5.0 CO-OPERATION WITH OTHER CONTRACTORS

5.1 The Contractor shall co-operate with all other Contractors or tradesmen of the Owner, who may be performing other works on behalf of the Owner and the workmen who may be employed by the Owner and doing work in the vicinity of the Works under the Contract. The Contractor shall also so arrange to perform his work as to minimize, to the maximum extent possible, interference with the work of other Contractors and their workmen. Any injury or damage that may be sustained by the employees of the other Contractors and

the Owner, due to the Contractor's work shall promptly be made good at the Contractor's own expense.

7.0 DISCIPLINE OF WORKMEN

The Contractor shall adhere to the disciplinary procedure set by the Engineer in respect of his employees and workmen at Site. The Engineer shall be at liberty to object to the presence of any representative or employee of the Contractor at the Site, if in the opinion of the Engineer such employee has misconduct himself or is incompetent or negligent or otherwise undesirable and then the Contractor shall remove such a person objected to and provide in his place a competent replacement.

8.0 CONTRACTOR'S FIELD OPERATION

8.1 The Contractor shall keep the Engineer informed in advance regarding his field activity plans and schedules for carrying-out each part of the works. Any review of such plan or schedule or method of work by the Engineer shall not relieve the Contractor of any of his responsibilities towards the field activities. Such reviews shall also not be considered as an assumption of any risk or liability by the Engineer or the Owner or any of his representatives and no claim of the Contractor will be entertained because of the failure or inefficiency of any such plan or schedule or method of work reviewed. The Contractor shall be solely responsible for the safety, adequacy and efficiency of plant and equipment and his erection methods.

8.2 The Contractor shall have the complete responsibility for the conditions of the Work-site including the safety of all persons employed by him or his Sub–Contractor and all the properties under his custody during the performance of the work. This requirement shall apply continuously till the completion of the Contract and shall not be limited to normal working hours.

9.0 PROGRESS REPORT

9.1 The Contractor shall furnish three (3) copies each to the Engineer of progress including if any, photographs of the work done at Site.

9.2 The monthly progress report detailing-out the progress achieved on all erection activities shall highlight comparison to the schedules. The report shall also indicate the reasons for the variance between the scheduled and actual progress and the action proposed for corrective measures, wherever necessary.

12 MAN-POWER REPORT

10.1 The Contractor shall submit to the Engineer, on the first day of every month, a man hour's schedule for the month, detailing the man hours scheduled for the month, skill-wise and area-wise.

11.0 PROTECTION OF WORK

The Contractor shall have total responsibility for protecting his works till it is finally taken over by the Engineer. No claim will be entertained by the Owner or by the Engineer for any damage or loss to the Contractor's works and the Contractor shall be responsible for complete restoration of the damaged works to original conditions to comply with the specification and drawings.

12.0 EMPLOYMENT OF LABOUR

12.1 The Contractor will be expected to employ on the work only his regular skilled employees with experience of his particular work. No person below the age of eighteen years shall be employed.

12.2 All traveling expenses including provisions of necessary transport to and from Site, lodging, allowances and other payments to the Contractor's employees shall be the sole responsibility of the Contractor.

12.3 In case the Owner becomes liable to pay any wages or dues to Labour or any Government agency under any of the provisions of the Minimum Wages Act, Workmen Compensation Act, Contract Labour Regulation Abolition Act or any other law due to act of omission of the Contractor, the Owner may make such payment and shall recover the same from the Contractor's bills.

13 FACILITIES TO BE PROVIDED BY THE OWNER

14 13.1 Space

Land for Contractor's Store, Workshop etc.

a) The Engineer shall at his discretion and for the duration of execution of the Contract make available at site, land for construction of Contractor's field office, workshop, stores, etc. required for execution of the Contract. Any such temporary construction shall be done by the Contractor at his cost.
b) On completion of work the Contractor shall hand over the land duly cleaned to the Engineer. Until and unless the Contractor has handed over the vacant possession of land allotted to him for the above purpose, the payment of his final bill shall not be made.

13.2 Electricity:

The concerned EE (Const./Tr) shall apply for 11KV Transformer Center at the site of new Substation and for which concerned DISCOM shall erect the required line and install the transformer Center, for which, the cost is to be borne by GETCO. Subsequently, the Agency finalized for EPC contract by GETCO, shall apply for temporary connection to the concerned DISCOM Sub-Division paying required Service Charges and Deposit. Such temporary connections to be released on the name of EPC-Contractor on recommendation of the concerned EE (Const/TR). The power so consumed shall be charged at the prevailing tariff rate

15 FACILITIES TO BE PROVIDED BY THE CONTRACTOR

14.1 Tools, tackles and scaffoldings

The Contractor shall provide all the construction equipments; tools, tackles and scaffoldings required for pre-assembly, erection, of the Towers, H-frame, string, earthing etc, covered under the Contract. He shall submit a list of all such materials to the Engineer before the commencement of work at Site. These tools and tackles shall not be removed from the Site without the written permission of the Engineer.

14.2 First-aid

The Contractor shall provide necessary first-aid facilities for all his employees, representatives and workmen working at the Site. Enough number of Contractor's personals shall be trained in administering first-aid.

14.3 Cleanliness

The Contractor shall be responsible for keeping the entire area allotted to him clean and free from rubbish, debris etc. during the period of Contract. The Contractor shall employ enough number of personnel to keep the work area clean. Materials and stores shall be

so arranged to permit easy cleaning of the area. In areas where equipment might drip oil and cause damage to the floor surface, a suitable protective cover of a flame resistant, oil proof sheet shall be provided to protect the floor from such damage.

15.0 LINES AND GRADES

All the works shall be performed to the lines, grades and elevations indicated on the drawings. The Contractor shall be responsible to locate and lay-out the works. Basic horizontal and vertical control points will be established and marked by the Engineer at site at suitable points. These points shall be used as datum for the works under the Contract. The Contractor shall inform the Engineer well in advance of the times and places at which he wishes to do work in the area allotted to him so that suitable datum points may be established and checked by the Engineer to enable the Contractor to proceed with his works. Any work done without being properly located may be removed and/or dismantled by the Engineer at Contractor's expense.

16.0 FIRE PROTECTION

16.1 The work procedures that are to be used during the erection shall be those, which minimize fire hazards to the extent practicable. Combustible materials, combustible waste and rubbish shall be collected and removed from the Site at least once each day. Fuels, oils and volatile or inflammable materials shall be stored away from the construction and equipment and materials storage areas.

16.2 All the Contractor's supervisory personnel and select number of workers shall be trained for fire fighting. Enough of such trained personnel must be available at the Site during the entire period of the Contract.

17.0 SECURITY

The Contractor shall have total responsibility for all equipment and materials in his custody/stores, loose, semi-assembled and/or erected by him at Site. The Contractor shall make suitable security arrangements ensure the protection of all materials, equipment and works from theft, fire, pilferage and any other damages and loss.

18.0 PRE-COMMISSIONING TRIALS AND INITIAL OPERATIONS

The pre-commissioning trials and initial operations of the equipment erected by the Contractor shall be carried out in presence of contractor and is deemed considered as part of the work completion. If it is anticipated that the above test may prolong for a long time, the Contractor's workmen required for the above test shall always be present at Site during such tests and trials.

19.0 MATERIALS HANDLING AND STORAGE

19.1 All the equipment furnished under the Contract and arriving at Site shall be promptly received, unloaded, transported and stored in the storage spaces by the Contractor.

19.2 Contractor shall be responsible for examining all the shipment and notify the Engineer immediately of any damages, storage, discrepancy etc, for the purpose of Engineer's information only. The Contractor shall submit to the Engineer every week a report detailing all the receipts during the week. However, the Contractor shall be solely responsible for any shortages or damages in transit, handling and / or in storage and erection of the equipment at Site. Any demurrage, wharf age and other such charges claimed by the transporters, railways etc, shall be to the account of the Contractor.

19.3 The Contractor shall maintain an accurate and exhaustive record detailing out the list of all equipment materials received by him for the purpose of erection and keep such record open for the inspection of the Engineer in-charge.

19.4 All equipment shall be handled very carefully to prevent any damage or loss. The equipment stored shall be properly protected to prevent damage either to the equipment or to the floor where they are stored. The equipment from the store shall be moved to the actual location at the appropriate time so as to avoid damage of such equipment at Site.

19.5 The consumable and other supplies likely to deteriorate due to storage must be thoroughly protected and stored in a suitable manner to prevent damage or deterioration in quality by storage.

19.6 All the materials stored in the open or dusty location must be covered with suitable weatherproof and flame proof covering material wherever applicable.

19.7 If the materials belonging to the Contractor are stored in areas other than those earmarked for him, the Engineer will have the right to get it moved to the area earmarked for the Contractor at the Contractor's cost.

19.8 The Contractor shall be responsible for making suitable indoor storage facilities to store all equipment, which require indoor storage. Normally, all the electrical equipment such as motors, control gears, generators, exciters and consumables like electrodes, lubricants etc. shall be stored in the closed storage space. The Engineer, in addition, may direct the Contractor to move certain other materials, which in his opinion will require indoor storage, to indoor storage areas, which the Contractor shall strictly comply with.

20.0 CONSTRUCTION MANAGEMENT

20.1 The field activities of the Contractors working at Site will be coordinated by the Engineer and the Engineer's decision shall be final in resolving any disputes or conflicts between the Contractor and other Contractors and the tradesmen of the Owner regarding scheduling and coordination of work. Such decision by the Engineer shall not be a cause for extra compensation or extension of time for the Contractor.

20.2 The Engineer shall hold weekly meetings of the Contractor at Site, at a time and place to be designated by the Engineer. The Contractor shall attend such meetings and take notes of discussions during the meeting and the decision of the Engineer and shall strictly adhere to those decisions in performing his works. In addition to the above weekly meeting, the Engineer may call for other meetings either with individual Contractors or with selected number of Contractors and in such a case the Contractors if called, will also attend such meetings.

20.3 Time is the essence of the Contract and the Contractor shall be responsible for performance of his works in accordance with the specified construction schedule. If at any time, the Contractor is falling behind the schedule, he shall take necessary action to make good for such delays by increasing his work force or by working overtime or otherwise accelerate the progress of the work to comply with the schedule and shall communicate such actions in writing to the Engineer, satisfying that his action will compensate for the delay. The Contractor shall not be allowed any extra compensation for such action.

20.4 The Engineer shall, however, not be responsible for provision of additional labour and/or materials or supply or any other services to the Contractor except for the coordination work between various Contractors if any at site.

21.0 FIELD OFFICE RECORDS

The Contractor shall maintain up to date copies of all drawings, specifications and other Contract Documents and any other supplementary data complete with all the latest revisions thereto. The Contractor shall also maintain in addition the continuous record of all changes to the above Contract Documents, drawings, specifications, and supplementary data, etc. effected at the field and on completion of his total assignment under the Contract shall incorporate all such changes on the drawings and other Engineering data to indicate as installed conditions of the equipment furnished and erected under the Contract. Such drawings and Engineering data shall be submitted to the Engineer in required number of copies.

22.0 CONTRACTOR'S MATERIALS BROUGHT TO SITE

22.1 The Contractor shall bring to Site all materials, including construction equipment, tools and tackles for the purpose of the works under intimation to the Engineer. All such goods shall, from the time of their being brought vest in the Owner, but may be used for the purpose of the works only and shall not on any account be removed or taken away by the Contractor without the written permission of the Engineer. The Contractor shall nevertheless be solely liable and responsible for any loss or destruction thereof and damage thereto.

22.2 The Owner shall have a lien on such goods for any sum or sums which may at any time be due or owing to him by the Contractor, under, in respect of or by reasons of the Contract. After giving a fifteen (15) days notice in writing of his intention to do so, the Owner shall be at liberty to sell and dispose off any such goods, in such manner as he shall think fit and to apply the proceeds in or towards the satisfaction of such sum or sums due as aforesaid.

22.3 After the completion of the Works, the Contractor shall remove from the Site under the direction of the Engineer the materials such as construction equipment, erection tools and tackles, scaffolding etc. with the written permission of the Engineer.

23.0 PROTECTION OF PROPERTY AND CONTRACTOR'S LIABILITY

The Contractor shall be responsible for any damage resulting from his operations. He shall also be responsible for protection of all persons including members of public and employees of the Owner and the employees of other Contractors and Sub-Contractors and all public and private property.

24.0 INSURANCE

24.1 In addition to the conditions covered under the Clause entitled 'Insurance' in General Terms and Conditions of Contract of this Volume-I, the following provisions will also apply to the portion of works to be done beyond the Contractor's own or his Sub-Contractor's manufacturing Works.

24.2 Workmen's Compensation Insurance

This insurance shall protect the Contractor against all claims applicable under the Workmen's Compensation Act, 1948 (Government of India). This policy shall also cover the Contractor against claims for injury, disability, disease or death of his or his Sub-Contractor's employee, which for any reason are not covered under the Workmen's Compensation Act, 1948. The liabilities shall not be less than:

Workmen's Compensation : As per statutory Provisions

Employee's Liability : As per statutory Provisions

24.3 Comprehensive General Liability Insurance

The insurance shall protect the Contractor against all claims arising from injuries, disabilities, disease or death of members of public or damage to property of others, due to any act of omission on the part of the Contractor, his agents, his employees, his representatives and Sub-Contractors or from riots, strikes and civil commotion.

24.4 The hazards to be covered will pertain to all the works and areas where the Contractor, his Sub-Contractors, his agents and his employees have to perform work pursuant to the Contract.

24.5 The above are only illustrative list of insurance covers normally required and it will be the responsibility of the Contractors to maintain all necessary insurance coverage to the extent both in time and amount to take care of all his liabilities either direct or indirect, in pursuance of the Contract.

25.0 UNFAVOURABLE WORKING CONDITIONS

The Contractor shall confine all his field operations to those works, which can be performed without subjecting the equipment and materials to adverse effects during inclement weather conditions, like monsoon, storms etc. and during other unfavorable construction conditions. No field activities shall be performed by the Contractor under conditions, which might adversely affect the quality and efficiency thereof, unless special precautions or measures are taken by the Contractor in a proper and satisfactory manner in the performance of such Works and with the concurrence of the Engineer. Such unfavorable construction conditions will in no way relieve the Contractor of his responsibility to perform the Works as per the schedule.

26.0 PROTECTION OF MONUMENTS AND REFERENCE POINTS

The Contractor shall ensure that any finds such as relic, antiquity, coins, fossils, etc. which he may come across during the course of performance of his Works either during excavation or elsewhere, are properly protected and handed over to the Engineer. Similarly, the Contractor shall ensure that the bench marks, reference points, etc, which are marked either with the help of Engineer or by the Engineer shall not be disturbed in any way during the performance of his Works. If any work is to be performed which disturbs such reference the same shall be done only after these are transferred to other suitable locations under the direction of the Engineer. The Contractor shall provide all necessary materials and assistance for such relocation of reference points etc.

27.0 WORK & SAFETY REGULATIONS

27.1 The Contractor shall ensure proper safety of all the workmen, materials, plant and equipment belonging to him or to GETCO or to others, working at the Site. The Contractor shall also be responsible for provision of all safety notices and safety equipment required both by the relevant legislations and the Engineer, as he may deem necessary.

27.2 All equipment used in construction and erection by Contractor shall meet Indian/International Standards and where such standards do not exist, the Contractor shall ensure these to be absolutely safe. All equipment shall be strictly operated and maintained by the Contractor in accordance with manufacturer's Operation Manual and safety instructions and as per Guidelines/rules of GETCO in this regard.

27.3 Periodical examinations and all tests for all lifting/hoisting equipment & tackles shall be carried-out in accordance with the relevant provisions of Factories Act 1948, Indian Electricity Act 1910 and associated Laws/Rules in force from time to time. A register of

such examinations and tests shall be properly maintained by the Contractor and will be promptly produced as and when desired by the Engineer or by the person authorized by him.

27.4 The Contractor shall provide suitable safety equipment of prescribed standard to all employees and workmen according to the need.

27.5 The Contractor shall provide safe working conditions to all workmen and employees at the Site including safe means of access, railings, stairs, ladders, scaffoldings etc. The scaffoldings shall be erected under the control and supervision of an experienced and competent person. For erection, good and standard quality of material only shall be used by the Contractor.

27.6 The Contractor shall not interfere or disturb electric fuses, wiring and other electrical equipment belonging to the Owner or other Contractors under any circumstances, whatsoever, unless expressly permitted in writing by GETCO to handle such fuses, wiring or electrical equipment

27.7 Before the Contractor connects any electrical appliances to any plug or socket belonging to the other Contractor or Owner, he shall:

a. Satisfy the Engineer that the appliance is in good working condition;

b. Inform the Engineer of the maximum current rating, voltage and phases of the appliances;

c. Obtain permission of the Engineer detailing the sockets to which the appliances may be connected.

27.8 The Engineer will not grant permission to connect until he is satisfied that;

a. The appliance is in good condition and is fitted with suitable plug;

b. The appliance is fitted with a suitable cable having two earth conductors, one of which shall be an earthed metal sheath surrounding the cores.

27.9 No electric cable in use by the Contractor/Owner will be disturbed without prior permission. No weight of any description will be imposed on any cable and no ladder or similar equipment will rest against or attached to it.

27.10 No repair work shall be carried out on any live equipment. The equipment must be declared safe by the Engineer and a permit to work shall be issued by the Engineer before any repair work is carried out by the Contractor. While working on electric lines/equipment, whether live or dead, suitable type and sufficient quantity of tools will have to he provided by the Contractor to electricians/workmen/officers.

27.11 In case any accident occurs during the construction/ erection or other associated activities undertaken by the Contractor thereby causing any minor or major or fatal injury to his employees due to any reason, whatsoever, it shall be the responsibility of the Contractor to promptly inform the same to the Engineer in prescribed form and also to all the authorities envisaged under the applicable laws.

27.12 The Engineer shall have the right at his sole discretion to stop the work, if in his opinion the work is being carried out in such a way that it may cause accidents and endanger the safety of the persons and/or property, and/or equipment. In such cases, the Contractor shall be informed in writing about the nature of hazards and possible injury/accident and he shall comply to remove shortcomings promptly. The Contractor after stopping the specific work can, if felt necessary, appeal against the order of stoppage of work to the

Engineer within 3 days of such stoppage of work and decision of the Engineer in this respect shall be conclusive and binding on the Contractor.

27.13 The Contractor shall not be entitled for any damages/compensation for stoppage of work due to safety reasons as provided in Para 31.18 above and the period of such stoppage of work will not be taken as an extension of time for completion of work and will not be the ground for waiver of levy of liquidated damages.

27.14 It is mandatory for the Contractor to observe during the execution of the works, requirements of Safety Rules which would generally include but not limited to following

a) Each employee shall be provided with initial indoctrination regarding safety by the Contractor, so as to enable him to conduct his work in a safe manner.

b) No employee shall be given a new assignment of work unfamiliar to him without proper introduction as to the hazards incident thereto, both to himself and his fellow employees.

c) Employees must not leave naked fires unattended. Smoking shall not be permitted around fire prone areas and adequate fire-fighting equipment shall be provided at crucial location.

d) There shall be a suitable arrangement at every work site for rendering prompt and sufficient first aid to the injured.

j) Requirements of ventilation in underwater working to licensed and experienced divers, use of gum boots for working in slushy or in inundated conditions are essential requirements to be fulfilled.

27.15 The Contractor shall follow and comply with all GETCO Safety Rules, relevant provisions of applicable laws pertaining to the safety of workmen, employees, plant and equipment as may be prescribed from time to time without any demur, protest or contest or reservations. In case of any discrepancy between statutory requirement and GETCO Safety Rules referred above, the latter shall be binding on the Contractor unless the statutory provisions are more stringent.

a. Fatal injury or accident Causing death	Rs. 1, 00,000/- per person	: These are applicable for death
b. Major injuries or accident causing 25% or more permanent disablement to Workmen or employees	Rs. 20,000/- per person	: injury to any person, whosoever.

Permanent disablement shall have same meaning as indicated in Workmen's Compensation Act. The compensation mentioned above shall be in addition to the compensation payable to the workmen/employees under the relevant provisions of the Workmen's Compensation Act and rules framed there under or any other applicable laws as applicable from time to time. In case the Owner is made to pay such compensation then the Contractor is liable to reimburse the Owner such amount in addition to the compensation indicated above.

28.0 CODE REQUIREMENTS

The erection requirements and procedures to be followed during the installation of the equipment shall be in accordance with the relevant Codes and accepted good engineering practice, the Engineer's drawings and other applicable Indian recognized codes and laws and regulation of the Government of India.

PART-I SCC

SPECIAL CONDITIONS OF CONTRACT

1.0 General Particulars :

This part of the Bid Document relates to certain specific/special terms and conditions particular to the Contract. The provisions herein are to be read and understood in conjunction with the relevant provisions elsewhere in the Instructions to Bidders (ITB), the General Conditions of Contract (GCC) and Erection Conditions of Contract (ECC). The intent of provisions herein are specific to this contract and are, in general, supplementary to related provisions under ITB,GCC and ECC. However, in certain provisions which are contrary to those in ITB, GCC and ECC, the provisions in these Special Conditions of Contract will prevail.

2.0 Tender Fee/ Earnest Money Deposit (EMD) :

Bidders shall compulsorily pay tender fee and EMD through RTGS/NEFT only.

a) Payment of Tender fee / Earnest Money Deposit (EMD) can be accepted by RTGS/ NEFT.

1. For payment through RTGS/NEFT the scan copies of payment made (transaction slip of payment made) shall be uploaded online with the Tender documents on n-procure portal.
2. Bidder has to provide following detail on the same date of payment made so that receipt can be generated at below mentioned e-mail ids:
    1. dcpd2.getco@gebmail.com
    2. nvp.getco@gebmail.com
    3. aotr.jambuva@gebmail.com

Sr. No.	Required Details
1	Name & Postal Address of the bidder
2	Contact Detail & e-mail id of the bidder
3	Tender No. with due date
4	Mode of Payment made
5	Ref. ID with Bank Details(UTR number)
6	Amount Paid for Tender fee in Rs.
7	Amount Paid for EMD in Rs.
8	GST No.
9	Pan No.

3. GETCO Beneficiary Bank Details are as under:

Sr.No.	Particulars	Requisite Details
1	Name of Bank	BANK OF BARODA
2	Name of Branch	MAKARPURA VILLAGE BRANCH, VADODARA
3	Branch Code	0634
4	MICR Code	390012031
5	IFSC Code	BARB0MAKARP
6	Name of Account	GETCO , JAMBUVA
7	Account No.	06340200000181
8	GST No.	24AABCG4029R2ZC

2.1 The bid security is required to protect the owner against the risk of Bidder's conduct, which would warrant the guarantee forfeiture, pursuant to relevant para elsewhere The bid guarantee shall be made payable to the Owner without any condition whatsoever.

2.2 The Owner will reject any bid not secured in accordance with Para 18.1 above, as non-

responsive. No exemptions are made in the furnishing of the security.

2.3 Unsuccessful Bidder's bid security/EMD will be returned/refunded on finalization of tender or three months from the date of submission of tender.

2.4 The successful bidders, Bid Security will be discharged upon, furnishing the contract Performance guarantee

2.5 The bid guarantee may be forfeited.
a) If a Bidder withdraws its bid during the period of bid validity specified by the bidder on the bid Form:
b) If a bidder refuses to accept the contract or fails to commence the works (including supplies within thirty days of letter of award of contract)

2.6 Bidders are requested to pay an earnest money deposit by RTGS/NEFT. Banker's cheque / demand draft shall not be accepted.

2.7 Tenders no accompanied by EMD shall be rejected.

2.8 If during the tender validity period, i.e. 180 days, the tenderer withdraws his tender, the EMD shall be forfeited and the tenderer may be disqualified from tendering for future works of GETCO.

2.9 The EMD will be returned promptly to the unsuccessful tenderer. The EMD will be returned to the successful tenderer after he furnishes the Security Deposit for performance and duly enters into the contract. If he fails to furnish the SD or to execute the contract for the work offered to him, his EMD shall be forfeited and the tenderer may be disqualified from tendering for further works for GETCO.

3.0 Validity period: The offers should be valid for minimum period of 180 Days from date of opening of tender (Technical Bid).

4.0 Declaration by Bidder:

The Bidder shall sign the Declaration enclosed to this SCC and not furnishing the same will make the Bid invalid.

5.0 Qualifying Requirement: As mentioned in **Qualifying requirement. Bidder shall have to upload scanned copies of original (Notarized/ self-attested copies of original-as specified in QR) online through n-procure.**

Sr. No.	Qualifying Requirements
1.	**Registration** :The bidder shall be registered contractor of GETCO
2.	**Technical Criteria**: 1. Bidders shall have valid Electrical Contract Licence and approved vendor of GETCO/STU/CTU, registered under GST Act and Should have CPF/PF Registration Certificate.
3.	**Financial Criteria**: 1) The bidder shall submit the Bank solvency of the amount which is 20% of the total estimated cost of tender.

Additional Documents:

Apart from various documents to be furnished along with the Bid as required in the GCC and ECC, the following documents / details are to be furnished by the Bidder.

1. Electrical Contractor Licence with latest validation
2. Payment of Tender fee and EMD.
3. GST registration certificate. (Certificate of Provisional GST registration shall not be accepted).
4. Details of Proprietorship / Partners/Directors of the Firm/Company. Partnership deed, MOA, BR, if applicable.
5. Copy of power of attorney as the case may be.

6. PF registration
7. The Bidder should have to submit copy of PAN card.
8. Financial turn over for last three years shall be submitted along with bid duly approved by charted accountant & IT returns along with profit Loss and Balance sheet of Last three financial years.

6.0 SCOPE OF WORK: As mentioned in Qualifying Requirement.

7.0 Price Inclusions (including Taxes & Duties):

7.2 The prices quoted shall be all inclusive of transportation, loading, –unloading & stacking at site of tower and line materials received from Haldarwa R&M store or any other Store of GETCO after observing all store formalities of GETCO.

7.3 No extra payment toward any type of templates and erection tools /materials will be made.

7.4 GST will be applicable at prevailing rates (As per GST Regime). GST will be reimbursed subject to making of credit in GSTN portal.

7.10.3 As per GETCO Circular no. GM (F&A)/WELFARE CESS/3554 dtd.3.12.2012, Contractor has to pay welfare Cess as per prevailing rate of 1% of estimated cost & same shall be reimbursed to Contractor on production of documentary evidence of payment.

7.11 **Statutory Variations:**
Any statutory increase or decrease in the taxes and duties subsequent to your offer if it takes place within the original contractual delivery date will be to the GETCO's account subject to the claim being supported by documentary evidence. However, if any decrease takes place after the contractual delivery date, the advantage will have to be passed on to the GETCO.

7.12 **Income Tax**
Income tax at source at the prevailing rate will be deducted from bills in accordance with the provision of Income-Tax Laws and to that effect a certificate will be issued to the contractor.

8.0 SECURITY DEPOSIT-CUM-PERFORMANCE GUARANTEE DEPOSIT

8.1 The successful bidder has to pay 100 % security deposit (5% of the Contract) upon placement of LOI within 10 days.

8.2 The successful bidder will be required to pay an amount equivalent to 5 % of the value of the order as a Security Deposit for satisfactory execution of the contract. Such Security Deposit will be payable either in BG/DD payable at Vadodara. Bank guarantees from Scheduled / Nationalized Banks will be acceptable.

Bank guarantees from following Banks will be acceptable

(A) Guarantees issued by the following Banks will be accepted as SD on permanent basis.

1. All Nationalized Banks.

(B) Guarantees issued by following Banks will be accepted as SD for the period up to **31.03.2027**. The validity cut-off date is with respect to date of issue of Bank Guarantee irrespective of date of termination of Bank Guarantee.

1. AXIS Bank
2. AU Small Finance Bank
3. Bandhan Bank
4. City Union Bank
5. CSB Bank
6. DBS Bank India Limited

7. DCB Bank
8. Dhanlaxmi Bank
9. Equitas Small Finance Bank
10. FEDERAL Bank
11. HDFC Bank
12. HSBC Bank
13. ICICI Bank
14. IDBI Bank
15. IDFC First Bank
16. IndusInd Bank
17. Jammu and Kashmir Bank
18. Jana Small Finance Bank
19. Karnataka Bank
20. Karur Vysya Bank
21. Kotak Mahindra Bank
22. RBL Bank
23. South Indian Bank
24. Standard Chartered Bank
25. Tamilnad Mercantile Bank
26. Ujjivan Small Finance Bank
27. YES Bank
28. Ahmedabad Mercantile Co-Op Bank
29. Nutan Nagrik Sahkari Bank Ltd.
30. Rajkot Nagrik Sahkari Bank Ltd
31. Saraswat Co-Operative Bank Ltd
32. SBPP Co-operative Bank Ltd.
33. SVC Co-Operative Bank Ltd.
34. The Cosmo Co-Op Bank Ltd.
35. The Gujarat State Co-Operative Bank
36. The Surat District Co-Operative Bank
37. The Surat People's Co-Op. Bank Ltd
38. The Baroda Central Co-operative Bank
39. The Panchmahal District Co-Operative Bank
40. The Kalupur Commercial Co-Op. Bank
41. The Rajkot Commercial Co-operative Bank
42. The Banaskantha Mercanttile Co-op. Bank
43. Gujarat Gramin Bank

8.3 No interest will be allowed on amount of Security deposit.

8.4 The Security Deposit- total shall be kept deposited up to completion of work finalization of final bill. The same shall be return on receipt of N.O.C. by the concerned DE/JE(S/S)

8.5 This security deposit is for the performance of contract and the same is liable to be forfeited by the GETCO in event of non fulfillment of the term and conditions of this contract by the contractor.

8.6 Corporate Guarantees are not admissible.

8.7 The 'Signing of Contract 'and 'Contract Agreements' will be done as per prevalent GETCO Terms and Conditions.

9.0 GUARANTEE PERIOD:

Total work executed shall be covered under guarantee period against any defect in materials, poor workmanship or defect/ wrong design etc. for a period of **one year** from the date of commissioning of 66/11KV Sub-station.

9.0A BAR CHARTS

The Bidder shall furnish along with the bid, the bar charts and project schedules indicating starting and completion dates of each activity. This is mandatory condition the tenders without which shall be liable to be rejected.

10.0 PENALTY FOR DELAY:

10.1 The tenderer should note that the completion time allowed for carrying out the work should be strictly observed. Any delay that may take place in work excavation beyond Contractual cutoff date stated as per stipulated delivery period shall be subject to the penalty at the rate of ½ % of the delayed work value per week or part thereof, with a ceiling of 10 % of the total contract value plus applicable taxes (if any).

10.2 In event of failure of the Contractor to pay the amount of Penalty as demanded, the Owner shall be entitled to deduct the amount of Penalty for delay from the amounts payable to the Contractors under any bills raised under this contract or any other contract with the GUVNL and its Subsidiary Companies i.e. GETCO, GUVNL, GSECL, MGVCL, DGVCL, PGVCL UGVCL. It is permissible for the Owner to adjust the amount of Penalty of delay against any Bank Guarantee furnished by the Contractor under this contract or any other contract with GUVNL and/or its subsidiary companies.

10.3 The penalty will be deducted from bills payable either against this contract or from any Bank Guarantee or any other amount payable under any other contract with the GETCO.

11.0 COMPLETION PERIOD

11.1 **Overall Completion period for this Contract will be 90 Days from the date of commencement of "Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle."**

11.2 No mobilization period, idling or stoppage period will be allowed during this period of the Contract.

11.3 The completion date will be deemed to be the date on which all works on the Contract are demonstrated to be complete to the satisfaction of the GETCO/Engineer and is complete in all respects as per the terms and conditions of this Contract.

12.0 Presentation of Bills

12.1 Monthly RA bills for 90% value of the supplied tower material and work executed including cost of material consumed is to be prepared in triplicate and submitted to Site Engineers in-charge of the work, for necessary payment. These bills shall be serially numbered with suffix SE-I.

12.2 Balance 10% payment shall be released only after finalization of material account and passing of final bill. The contractor has to submit the final bill along with the material consumption statement and other required data of the work carried out within 3 months from the date of completion of work. These bills shall be serially numbered with suffix SE-I.

12.3 All the bills in accordance with the above clauses must be submitted with the following information:

a) Item wise work done during billing period.
b) Item wise cumulative work done.
c) Account for material consumed and balance stock.

12.4 For non-submission or part submission of above information, an additional 5% amount of the respective RA bill shall be withheld and shall only be released at the time of final bill.

13.0 Terms of Payment

The payment for work done shall be made as under only after execution of the contract documents/furnishing of Security Deposit and on execution of transmission line work.

13.1 **For erection works.**

(i) 90% payment of amount claimed covering various activity such as erection of towers-frame, earthing, stringing of conductor and earth wire including insulator hoisting, etc. works against R.A. bills duly certified by EIC within 30 days from the date of R.A. bill.

(ii) Balance 10% of erection value shall be paid against completion of work only after settlement of material account statement of items used, erected and successful commissioning of transmission line the same amount will be release in final bill only and payment will be made only after passing of final bill.

14.0 TAKING DELIVERY AND INSURANCE

14.1 The contractor has to take delivery from construction store of Tower material, H-frame structure material, conductor & line material keeps S/S materials in safe custody and transport to the respective sites and will be fully responsible for any damage to or loss of all materials at any stage during transportation or erection or taking over of the line by GETCO.

14.2 The Contractor has to open site store and ensure for safe custody of all the stored materials at his own cost.

14.3 The Contractor shall have total responsibility for the entire tower & line materials stored, loose, semi assembled and/or erected by him at site in his custody. The Contractor shall make suitable security arrangements at his own cost to ensure the protection of all materials, equipment and works from theft, fire pilferage and any other damages and loss. It shall be the responsibility of the contractor to arrange for security till the works are finally taken over by the GETCO.

14.4 **STORAGE-CUM-ERECTION INSURANCE**:-

The contractor shall take suitable storage-cum-erection insurance cover at his cost to the extent of 100% Cost of S/S / Line material, which is required to complete the S/s / line / shifting work. Bidder shall have to take the comprehensive Marine Cum Erection (Overall) insurance policy against any loss, damage, theft, pilferage, fire etc. for the complete period of storage, erection and commissioning up to the time of taking over of the sub-station / line by GETCO. However, if the work is not completed within the stipulated time limit as mentioned into work order, the MCE shall be extended by the contractor up to the work completion and taking over of the line or S/s by GETCO. Moreover, the charge for extension of insurance shall be borne by contractor if the delay is attributed to the contractor. The charge for extension of insurance shall be reimbursed by GETCO to the contractor on production of proof for extension of MCE if the delay is attributed on the part of GETCO. The contractor shall deal directly and pursue the claim with the insurance company and shall be responsible in regard to maintenance of all insurance coverage as well as for settlement of claim. The proof of insurance policy taken by the contractor shall be furnished / submitted to engineer-in-charge of GETCO.

No material shall be issued to bidder/erection agency in absence of such insurance policy. The risk shall be covered for lifting of materials from store to final handing over to GETCO. Further, in absence of the above insurance policy, R.A.bill payment will be withheld.

Bidder shall note that storage cum erection insurance is to be taken at his own cost and amount of material for erection to complete the scope of sub-station work is to be considered Rs. 153.00 Lacs.

15.0 LABOUR LAWS:

15.0.1 Persons below the age of 18 years shall not be employed for the work. No female worker shall be employed in the night shift between 07.00 p.m. and 06.00 a.m. next day.

15.0.2 Contractor shall maintain a valid labor license under the contract Labor (Regulation and abolition) Act for employing necessary manpower required by him. In the absence of such license, the contract shall be liable to be terminated without assigning any reason thereof.

15.0.3 The Contractor shall at his own expenses comply with all labor laws and keep the GETCO indemnified in respect thereof. Some of the major liabilities under various labor and industrial laws which the Contractor shall comply with, are as under:

i) 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 the Government of Gujarat / Government of India or other Statutory Authority.

ii) Payment of deposit in respect of each contract labor at the rate of Rs. 30/- or later prevailing rate with the Office of Commissioner of Labor as per the Contract Labor (Regulation and Abolition) Act.

x) License fee as prescribed under the Contract Labor (Regulation and Abolition) Act and Rules framed there under depending upon the number of workmen.

xi) Paid leave facility and wages as per the provision of the Factories Act at the rate of one day for every 20 days of working.

xii) Identity cards as prescribed under the Factories Act with photo affixed thereto, for identification.

xiii) Payment of retrenchment compensation, Notice Pay and other liabilities as per Industrial Dispute Act. Any payment to the Contractor's employee arising out of any claim of disputes under the Industrial Disputes Act 1947 or any other Labour Laws.

xiv) Payment of compensation in case of accidental injury.

xv) Provision of crèche if the female laborers employed are more than 30.

xvi) Maternity Leave as per the provisions of the Maternity Benefit Act.

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.

15.1 PROVIDENT FUND AND FAMILY PENSION SCHEME:

The Contractor shall submit along with his bills (month wise) a statement regarding deduction against employees Provident Fund and Family Pension Scheme in respect of each concerned employee. Provident Fund and Family Pension Scheme at the rate of 18% (or at the rate made applicable by the Government from time to time of the wages. The Contractor's contribution and his worker's contribution towards Provident Fund and Family Pension Scheme shall be deposited by the Contractor with Regional Provident Fund Commissioner, Ahmedabad.

15.2 DEPOSIT LINKED INSURANCE SCHEME

The contractor shall have to deposit ½ % of the wages in respect of employees who is a member of the Provident Fund, as the contribution to the Deposit Linked Insurance Scheme with Regional Provident Fund Commissioner, Ahmedabad.

15.3 ADMINISTRATIVE CHARGES:

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

15.4 PAID LEAVE FACILITY:

Paid Leave Facility at the rate of one day for every twenty days worked by the Contract Labor, shall be provided by the Contractor to his workers. He shall maintain Leave Records, Leave Cards, for individual laborer which shall be duly verified, approved and certified by the authorized Officer of the GETCO.

15.5 WORKMAN'S COMPENSATION FUND AND EMPLOYER'S LIABILITY INSURANCE:

The contractor shall cover all his employees under workmen's compensation fund and under the liability insurance. The purchaser shall not be responsible for any payments of compensation to the workers/supervisor of the contractor for fatal or non-fatal accidents during the pungency of the contract.

15.6 The contractor shall employ adequate number of experienced skilled 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.

15.7 CONTRCTOR TO INDEMNIFY THE GETCO:

The Contractor shall Indemnify the GETCO and every member officer and employees of the GETCO 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 herein above elsewhere and against all actions, proceedings, claims, demands, costs and expenses which may be made against the GETCO or Government for or in respect of performance of his obligation under the contract documents. The GETCO shall not be liable for intervention of authority Government for or in respect of performance of his obligation under the contract documents. The GETCO shall not be liable for or in respect of or in consequence of any accident or injury to any workman or other person in the employment of the Contractor or his Sub-Contractor and the contractor shall indemnify and keep indemnified the GETCO against all claims, demands,

proceedings, cost, charges and expenses whatsoever in respect thereof or in relation thereto.

15.8 WORKMEN'S COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE

Insurance shall be affected for all the Contractor's employee engages in the performance of this contract. If any of the work is sublet, the Contractor shall require the Sub-Contractor to provide workmen's employer's liability insurance for the latter's employees, such employees shall be covered under the Contractor's Insurance.

15.9 WAGES TO BE PAID & TIME OF PAYMENT ETC. BY THE CONTRACTOR

a) The Contractor shall pay minimum wages per day to his Labors/ Workers as per rates fixed under the minimum wages act. The wages of every Contract Labor employed by him under this contract shall also be paid by him before the expiry of 7th day of the last day of the month in respect of the wages are payable (i.e. wages of a month have to be paid by him in the first week of the next month). Any default will result in cancellation of contract forthwith or else the contractor shall be punishable to the extent of Rs. 100/- per each day or as per the prevailing rules of labor laws.

b) The Contractor shall give his Telephone Number and Address to the GETCO, so that, in case of labor trouble etc. the Contractor can be contacted. The Contractor shall arrange to have his office outside the factory work premises and the Contractor shall arrange to have his office outside the factory work premises and the Contractor shall keep himself present throughout the working hours.

15.10 REGISTRATION WITH PROVIDENT FUND OFFICE

I) The separate P.F. code issued from P.F. commissioner is required to be taken by contractor.

ii) If the contractor does not possess separate P.F. code number of RPFC, his tender will not be considered for acceptance.

iii) The contractor should mention separate P.F. code number allotted by PPFC, along with the tender.

15.11 Termination of Contract:

In case of contractor fails to complete the transmission line work or part thereof within contractual period or in case the work is found not in accordance with prescribed specification the GETCO shall exercise its discretionary power either:

15.11.1 To recover, from the contractor as agreed, by way of penalty plus applicable taxes (if any) clause above, or

15.11.2 To get the work done other contractor after giving due notice to the contractor on account and at the risk of the contractor for such work executed or other similar description without canceling the contract in respect of the works not yet due for completion or

15.12 To cancel the contract.

In the event of the risk works of similar description, the opinion of the GETCO shall be final. In the event of action taken under clause (A) or (B) above, the contractor shall be liable to pay for any loss which the GETCO may sustain on that account, but the contractor shall not be entitled to have any saving on such purchases made against default.

The decision of the GETCO shall be final as regards to the acceptability of stores supplied by the contractor and the GETCO shall not be required to give any reason in writing or otherwise at any time for rejection of the stores.

15.12.1 MATCHING OF END COST:

In case the GETCO decides to award contract on matching end-cost basis, the bidder has to reduce all the quoted rates proportionately. The reduction on overall basis will not be accepted (i.e. all unit rates of erection schedule shall be reduced proportionately by difference in percentage). The confirmation for matching end cost shall be given within 7 (seven) days from the letter from GETCO.

16.0 VENDOR REGISTRATION.

REGISTRATION AS A CONTRACTOR:

Registration with GETCO, Jambuva or any other office GETCO is pre requisite for participating in tender. It is required to furnish documents of registration along with offer in Technical bid and the details at appropriate place in confirmation of details of bidder shall be given by the contractor

17.0 "RIGHTS OF THE OWNER:

Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the Contractor, the Owner shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in port from the security, If any, deposited by the Contractor and for the purpose aforesaid, the Owner shall be entitled to encash and withhold the amount of Performance Bank Guarantee or other security, if any, furnished as the case may be. The Owner shall also have a lien over the same pending finalization or adjudication of any such claim. In the event of the security is insufficient to cover the claimed amount or amounts, the Owner shall be entitled to withhold and have lien to retain to the extent of the such claimed amount or amounts referred to above, from any sum or sums found payable or which at any time thereafter may become payable to the Contractor under the same contract or any other contract with the Owner or GUVNL or its subsidiary companies pending finalization or adjudication of any such claim.

Lien in respect of Claims in other Contracts:

a) Any sum of money due and payable, to the Contractor (Including the security deposit) under the contract may be withheld or retained by way of lien by the Owner against any of its claim in respect of payment of a sum of money arising out of or under any other contract made by the Contractor with the Owner or GUVNL or any of its subsidiary companies.

b) It is on agreed that the sum of money so withheld or retained under this clause by the Owner will be kept withheld or retained as such by the Owner till its claim arising out of the same contract or any other contract is either mutually settled or determined by the arbitrator or competent court, as the case may be, and the Contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and as may be duly notified to the Contractor.

TENDER NO. – JTC/26-27/n-180

Sub. : "Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle." In connection with above subject, I / we confirm the following:

I/ we, the undersigned, have read and understand the Tender Specification for **"Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle."** Complete with the entire Tender Terms and Conditions.

b) The price in the bid is firm prices in line with Tender Specifications and shall stand valid till completion of the Contract, if awarded.

c) I/We declares that our bid is strictly in line with Tender Specifications and there is no deviation. Further, I / we also agree that additional conditions / deviations, if any found in bid, the offer shall be out rightly rejected without assigning any reason thereof.

Signature of Authorized representative
of Company / Agency
NAME: _____
STATUS: _____
Name of BIDDER

CONFIRMATION OF DETAILS OF BIDDER

Bidders are required to furnish following information specifying YES / NO

1)		Whether the Bid is on percentage basis as called for.	Yes / No
2)		Whether rebate furnished is in percentage basis as called for.	Yes / No
3)		Whether the Bid is submitted by RPAD.	Yes / No
4)		Whether all pages of Bid Specifications are sealed and signed by the Bidder.	Yes / No
5)	a)	Whether the Bidder is registered with for erection	Yes / No
	b)	In case of "Yes", please furnish following details:	
		i) Registration Letter No. & date.	
		ii) Class of Registration	
		Iii) Validity	
	c)	Whether Bidder is having PF Code No.	Yes / No
6)	a)	Whether EMD paid. (DD / BG)	Yes / No
	b)	In case "Yes", furnish details	
7)		Whether following documents as specified are submitted.	
	a)	Human Resources detail.	Yes / No
	b)	Availability of tools, equipment's etc.	Yes / No
	c)	Details of orders executed / on hand	Yes / No
	d)	Financial capability.	Yes / No
	e)	Experience as specified.	Yes / No
	f)	Latest Income-tax certificate	Yes / No
	g)	Company's Articles Of Association	Yes / No
	h)	Details Of Partners / Directors	Yes / No
	i)	B.R./P.A. Authorizing Person	Yes / No
	j)	Power of Attorney of Consortium Members	Yes / No.

Signature of Authorized Representative of Company/Agency

NAME:_____

STATUS:_____

Name of tendering Company

Part - II – A
Technical Specifications
GENERAL INFORMATION

1.1. SCOPE OF WORK

This specification covers the storage and handling at site, erection, testing, commissioning and handing over in ready to switch on condition to GETCO of complete equipment / accessories. of **"Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle."** The scope shall include erection of 132 KV Bay Structure/Equipment, Control Cable laying & Termination, Earthing installation etc, as per the Schedule-B and as per approved layout drawing

2.0 INSTRUCTIONS TO THE BIDDER (TECHNICAL) :

2.1. CODES, STANDARDS & REGULATION

2.2. DOCUMENTS REQUIRED FOR APPROVAL:

2.3. FOR REFERENCE

2.4. AS- BUILT DRAWINGS

2.5. GUARANTEE : The successful bidder will give guarantee for the equipments for its workmanship as per GCC & SCC.

2.6. FUNCTIONAL AND COMPOSITE TESTING

Following test shall be conducted on equipment after completion of erection in the presence of Engineer -in-charge from point of view of completeness in the presence of Authorized Representative.

1. Visual inspection of total system.
2. Verification and measurement of earthing resistance.
3. Checking of cable terminations and laying, dressing etc. in the equipment kiosk and control panels.
4. Checking of safe accessibility of components.

2.7. BAR CHARTS

The Bidder shall furnish along with the bid, the bar charts and project schedules indicating starting and completion dates of each activity.

PART – II A

TECHNICAL PARTICULARS FOR ERECTION, OF

"Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle."

3.1 SCOPE :

3.1.1 The scope for erection works covered under this section consist of :

i) Taking delivery of equipment's and other material from the 's stores, checking them, transporting to site's stores and keeping in safe custody by contractor.

ii) To take suitable storage-cum-erection insurance of equipment's/materials issued by the .

iii) Distribution of all materials to erection site at 66 kv Sub Station.

iv) Structure/Equipment erection including fixing of attachments, accessories and tack-welding of structures.,

v) Stringing of ACSR/AAAC Panther/Zebra/Moose conductor bus with fixing of insulators, Hardware, dampers, spacers etc.

vi) Workmanship guarantee of all the activities carried out from (i) to (v).

3.1.2 The successful Contractor shall carry out all addition/alteration required to complete the substation for commissioning.

3.1.3 The GETCO will supply equipment's, structure materials, bolts-nuts, structure accessories / attachments, insulators, insulator-hard wares, conductor, accessories, ground wire, ground wire accessories, GI Earthing strip, Control cable etc. required for erection of equipment's and other associated works.

3.1.4 All works shall be carried out in accordance with the revised and latest Provisions under Indian Electricity Act and Rules made hereunder.

3.1.5 The contractor at his own cost shall arrange all the erection tools required during execution of work. The Contractor solely is responsible for any damage and / or loss of his erection tools.

3.1.6 The Contractor shall be fully responsible for completing all the above works till the complete Sub- station is taken over by the GETCO, and thereafter up till guarantee period.

3.1.7 The methods of erection are not dealt with in detail but are left to the Contractor who shall exercise his own judgment with regards to actual handling of equipment's & materials and in deciding upon the best methods to be adopted for all the erection activities.

3.1.8 The successful bidder shall carryout all the erection works in accordance with structural drawings, and other erection drawings etc. provided by the GETCO.

3.2 LAYOUT OF SUB STATION

3.2.1 The proposed layout of the sub-station is available with concerned field office. The bidders are presumed to have acquainted themselves with the site before submitting their offer.

3.2.2 The successful bidder has to collect from concerned field office the detailed layout drawing along with the following drawings for the sub-station duly approved by the GETCO immediately on receipt of the Order. He shall also arrange visit of proposed site jointly with GETCO's representative for important marks coming across the scope of works under the contract. Structural drawings of 66 KV Structures listed at Schedule –B

3.3 *TECHNICAL INSTRUCTIONS TO THE BIDDER*

3.3.1. The works shall be carried out strictly as per the erection manuals and shall fully comply with the relevant Indian Standard. The IE rules and Acts in force from time to time shall also be applicable during pendency of the contract.

3.4. **ERECTION AND COMMISSIONING TOOLS & TACKLES.**

3.4.1 The contractor shall provide all tools/tackles jigs and fixtures winches, alignment tools, welding sets, breaker handling devices all consumable items and construction equipment as required to install the equipment's and to complete the work in all respects and shall necessarily include (but not limited to) bolts, nuts, rivets, welding rods, shims, wedges, packing sheets, packing compounds, oil installation and protection of individual equipment in storage and during erection.

3.4.2 This shall also cover proper alignment, tack welding tagging, laying marking of and connection of cables, fabrication supply and installation of all support structures for installation of various electrical equipment and cables

3.4.3 Provision of cable glands, ferrules, and cable lugs tags sealing kit (for HT cables) shall also be arranged by the contractor.

3.4.4. Erection of various equipment shall be done strictly as per manufacturer's instructions

3.4.6 All additional iron framework erected to put the equipment in operational condition shall be provided with two coats of primer and two topcoats of finish paint.

3.4.7 Special care shall be taken to make the enclosed equipment protected against entry of rates, lizard, and creeping reptiles, which may create electrical short circuits.

3.5.0. Argon welding machine & press machine shall be required with bidder.

COMPLETION OF ERECTION (GENERAL)

3.5.1. Equipment shall be considered to have been completely erected when the following activities have been completed.

3.5.2 Moving of all equipment's to the respective foundations

3.5.3. Fixing of anchor bolts or tack welding as required.

3.5.4 Leveling and alignment of equipment.

3.5.5 Assembling of all accessories such as relays, CTs, PTs, meters instruments etc. as described in the job specifications.

3.5.6. Drying of equipment as required and testing of oil for dielectric strength.

3.5.7 Filtration and filling of oil as required.

3.5.8. Cable laying, termination with continuity checks.

3.5.9. Applying of finishing coat of paint wherever required.

3.5.10. Mounting of lighting fixtures & connections.

3.511. Testing of all system with operation of all protection system.

3.6.0 ERECTION OF SWITCHYARD STRUCTURES.

3.6.1. Erection of switchyard structure shall mean erection of gantry column, beams, equipment support structure and lighting mast, VHF masts, watch and ward observation posts if any.

3.6.2 The foundation work of switchyard structure is not in the scope of this tender. The foundation with concreted anchor bolts shall be made available by well in time to enable the contractor of this work to get a clear working front.

3.6.3. The switchyard structure shall be made available to the contractor in the knocked down condition either at site or from any other store in the radius of 100 KMs. Small parts like cleat, plate fasteners step bolts and other accessories (if any) shall also be supplied as above separately

3.6.4. Before commencement of the erection work, the contractor shall check cast foundations and anchor bolts for their individual and mutual distances and also for the correctness of concreted bolts in terms of number and verticality. In case of any disagreement with the lay out drawing, the matter may be referred to Engineer in charge for remedial measures who in turn will arrange such remedial measures. However, the contractor shall also render necessary assistance in the matter.

3.6.5. The erection of structure shall be done strictly as per the approved set of structural drawings to be given by the. The erected column for bringing the structure in alignment or bringing the structure in plumb shall be allowed.

3.6.6. The erection of column/beams shall be done in phased manner on already erected column. The elevation faces of the beam should be first fastened to the column one by one and thereafter plan bracings should provide one by one to complete the beam geocentric Pre-stressing of beam member for alignment should be avoided. In case of difficulty in fabricated material or otherwise, the Engineer in charge should be contacted for remedial measures who in turn will take necessary action. How-ever the contractor shall also render necessary assistance in this work to Engineer in charge for speedy completion of work. The load point's rings bracing shall also be provided as per drawings.

3.6.7. The Cross-connected beams should be perfectly at right angle and matching with respective faces of the column. No column or beam shall be erected with missing members.

3.6.8. The method of erection is not being dealt with in detail here. However, while making the rigging arrangement, it should be ensured that no column beam or part thereof is damaged due to misjudgment. All the members, plates, cleats, bolts, buts and other accessories should be fitted to the column, beam support structure as per the approved drawing.

3.6.9. After the erection of beam and column, the bolt nuts should be properly tightened and center punched. The thread protruding bolt should be dented in the contact surface of nut at 3 point 120 degrees apart to eliminate loosening of bolt due to vibration. The stringing of bus bar conductor be done only after getting certificate from Engr. in charge that all bolts &nuts are provided as per approved drawings and tightened.

3.6.10. The equipment support structure should also be erected like gantry column. They should well be in plumb with all members fitted as per approved drawings and bolt nuts properly tightened. The contractor shall also take care to see that the alignment of foundation of equipment support structure is well done. The equipment support structures shall be erected as per the approved drawings.

3.7 **GANTRY STRINGING (BUS BAR STRINGING)**

3.7.1 After the erection of gantry structure and equipment support structure is over, the contractor shall take up bus bar and line gantry structure stringing.

3.7.2. The configuration of bus contractor shall obtain type of conductor to be used from the purchaser well in advance. The sag and tension of the bus bar conductor and line conductor shall be coordinated with the help of Engineer in charge so that a mutual distances of the strung conductor and the ground clearance of the strung conductor does not cross the limit set out in the electricity rules and acts.

3.7..4. The methods of handling the conductor accessories is not dealt in details, however, contractor can himself get informed about the same and see that conductor and other material is handed over properly and is string scratch free to the extent possible. No joint

or use of repair sleeve will be permitted in the bus bar and line gantry stringing. While stringing between twin and quadruple bundle conductor, care shall be taken to keep tension in all sub conductors equally. Adjustment in the sag shall be carried out by sag adjustment plate if provided in the tension insulator strings.

3.7..5 All the insulator strings to be used on the structure shall be properly cleaned with the cloth. Compression dead end joints of the conductor shall be made after proper marking. There should not be any difference in the position of dead end compression joints amongst the sub conductors of a twin or quadruple bundle conductors. All the tension insulator string shall be double tension type. The pilot insulator string or a guide insulator string shall be single suspension type. The corona control ring space clamp and other accessories if any on insulator stringing shall also erected as per the drawing.

3.7.6. The earth wire to shield the conductors from lighting stroke shall be provided along the column in each bay of the switchyard and across, as per the switchyard layout and sectional view drawing and as per the instruction of Engineer in charge. the earth wire shall be fitted with all accessories like suspension clamp, tension clamp cross by clips, copper earth bold etc. completed. No mid span joint shall be permitted in the switchyard earth wire stringing.

3.7.7. After the bus bar and line gantry stringing work is over, the contractor shall provide droppers for the equipment connection to bus bar or line conductors by using prescribed clamps and connectors. The configuration of dropper shall be obtained by contractor as per requirement. The dropper is to be provided with ACSR Panther conductor..

3.8 **ERECTON OF SECONDARY EQUIPMENTS.**

3. 8.1. The secondary equipment's like PI, CT, CVT, PT, LA (Surge arrestors) wave trap etc. shall be procured by the contractor from the site store center or other store centers of the and transported to the site at the cost of contractor. The contractor shall also do loading and unloading of the equipment.

3.8.2 After the arrival of equipment at site, packing shall be gently removed without causing any damage to the equipment. The equipment shall be checked for its correctness of dimension, make etc. as per the approved drawing. The equipment then shall be cleaned by a piece of cloth and made ready for erection.

3.8.3. The equipment shall be mounte3d on the ready pedestal (of masonry) or steel structure as the case may be and checked the same for its verticality. Construction of masonry pedestal is not in the scope of this work.

3.8.5. In case of CT, PT and CVT, the junction box or terminal box of the equipment shall be opened, cleaned and all their connections should be checked.

3.8.6 The arcing horns or corona control rings shall be provided as per the approved drawing. Similarly all fittings etc. shall also be provided as per the approved drawings

3.8.7. The electrical connection of the equipment's through jumpers or through 4" aluminum pipe shall be carried out along with the cable connection of respective equipment to the marshalling kiosk or to the control relay panels. The connection of high voltage terminal of equipment shall not be resorted to, unless secondary connection or cabling work to control equipment is over. Testing of equipment shall also be done to ensure the correct wiring sequence of the equipment and continuity before energizing equipment by EHV

3.8.8. Polarity of the equipment to be connected on HV side should be checked prior to erection. The oil level (if any) of the equipment should be checked for its totality. If level is found to be inadequate, topping filling of oil should be resorted. The will supply the quantity of oil required.

3.8.9. Fuse links etc provided in the secondary box of the equipment shall be checked for their position and continuity and any lacuna observed will be set right before taking the equipment for commercial use.

3.9 **ERECTION OF CIRCUIT BREAKER :**

3.9.1. The circuit breaker shall be taken delivery from the site/other stores of and transported to the work place well in time on loading/unloading. The crates containing the insulators and important parts and accessories shall be opened carefully keeping them in their proper position. Insulator parts and other accessories shall be thoroughly cleaned for any deposits of dust or other particles.

3.9.2 The breaker shall be brought on the pedestal of masonry or steel frame as the case may be) in upright position without any inclination. The main parts of the equipment's shall be assembled as per approved drawing to be submitted by. The arrange Service of commissioning engineer of circuit breaker manufacturer. However, the contractor will not remain contended with the instruction and guidelines given by the commissioning engineer and shall also use his own judgment in better erection of commissioning practice of circuit breaker.

3.9.3 After the placement of circuit breaker in position the kiosk of the breaker shall be thoroughly inspected and any lacuna found shall be reported to the Engineer in charge of the work. The HT terminal connection shall be done only after the terminals of the equipment kiosk are made to the marshalling kiosk and or to the control/relay panels. Polarity of the equipment's shall also be ensured before physical erection.

3.9.4. The method of erection of breaker is not dealt with in details, however, it is recommended that breaker poles shall be erected only by using telescopic crane or other suitable mechanical arrangement. The rigging should be tool proof.

3.9.5. The operating mechanism in the breaker Kiosk and contacts as well as the power supply circuits (AC/DC) shall be properly checked for its operation worthiness. All piping for gas/air shall be laid as per the approved drawing. The air receiver or compressor shall be positioned as per the relevant drawing. Minor fittings and fabrication or grouting work required to place these articles or accessories shall be done by the contractor without any extra cost to the purchaser. In case of breakers with spring mechanism the trials of the mechanism by actuating should be done to ensure its' line worthiness.

3.9.6 EHV side of the breaker should be aligned to incoming and outgoing bus conductor. While erecting the breaker, the operating mechanism without the porcelain insulator should be laid perfectly to avoid any mal functioning of the breaker.

3.9.7. Earthing points of the breaker as well as attached Kiosk shall be connected to earth grid by means of risers already available nearby the equipment. Any other erection checks and pre-cautions indicated in the Manual furnished by the respective supplier of the equipment shall be studied well by the contractor and the provisions there of shall be implemented as far as possible.

3.10.0 **ERECTION OF POWER TRANSFORMER**

3.10.1 The purchaser laid readily on the rails and plinth shall make a power transformer of appropriate capacity available. However, the contractor using proper tools shall do minor adjustment or shifting requirement for proper alignment of the equipment and tackles jacks taking due care.

3.10.2 Bushing of HV, LV, and IV side shall be picked up from the site or other store of the purchaser and shall be made open by removing the casing/covers and packing whatsoever may be. The bushing shall be cleaned by the cloth. The bushing shall be handled very carefully and preferably should be opened and erected in presence of the Engineer In charge or his authorized representative. Before taking up the erection work of bushing and

accessories, conservator tank and the transformer tank should be thoroughly cleaned from outside to remove all dust and other material deposited on it.

3.10.3. For fixing the bushing, the opening provided on the transformer tank/turret shall be removed and bushing should be connected to it. The current transformer and other accessories in the turret should be carefully handled while erecting bushings.

3.10.4 The radiators should be mounted on the pedestals already available at site. The proper leveling and alignment of the radiator should be done. Any minor nature of civil or foundation work, if required should be done by the contractor at his cost. However, if already provided pedestal are totally misaligned and it is not possible to erect radiators upon it with slight modifications, the matter should be brought to the notice of Engineer in charge who will take appropriate action to remove the anomaly. As a matter of fact, the contractor may, before taking up the erection work on hand, satisfy himself that the alignments of pedestal provided for various radiator and piping headers are as per the approved drawing from the respective supplier of transformer and remedial measures should be taken much ahead of actual erection work.

3.10.5. The Kiosk of the equipment shall be inspected for its internal wiring fuse, link temperature indicator, de-humid fire power connection, control circuits etc. If any deviation compared to the approved drawing is observed, the matter should be brought to the notice of Engineer in charge and if it is of trivial nature, corrective measures should be taken by the contractor himself. All the piping or wiring from various measuring points to the Kiosk should be checked for its trueness and continuity.

3.10.6. Buchholz relay will be erected on the transformer tank as per the standard practice.

3.10.7 After the erection of various accessories indicated above, filling of oil under vacuum should be started. If required random sampling and testing of oil being filled in should be carried out. The oil level in the conservator tank, condenser bushing etc. should be checked for its desired mark. After the oil filling work is over, final filtration of oil to obtain desirable low PPM should be done. Filter machine of 1000 GPH capacity having one pass facility of reputed make approved by Engineer in charge for filling and filtration work shall be brought by the contractor himself.

3.10.8. Internal testing on the transformer and its accessories for operation worthiness shall be done following oil filtration work. However, the commissioning of the transformer either from LV or HV side should be done only after the installation of control panels in the control room, its connections to the transformer and complete unit testing of transformer. The commissioning work should be done as per the instruction of Engineer in charge or his authorized representative.

3.11.0 **ERECTION OF ISOLATORS**.

3.11.1 Isolators of the switchyard shall be with or without earth blade type. Centre breaks type etc. The isolators shall be procured by the contractor from the site stores of the and transported to the work site. All the spare parts shall be properly unpacked cleaned and made ready for erection.

3.11.2 Before erection, the contractor shall obtain copies of approved drawing of respective equipment's. The isolators shall be erected on the ready galvanized structures. However, foundation for them will be available readily the respective points in the switchyard.

3.11.3 The contractor shall check the erected support structure for their alignment vertically and tightness of fasteners before mounting the isolators parts on them. The contractor shall also verify the mounting arrangement for the operating mechanism on this structure and suitable for the same. In case of any shortcoming the matter may be reported to engineer in charge. Any modification of trivial nature for the structure of fixtures shall be carried out free of cost.

3.11.4 The parts of the isolators, fixed and moving contacts earthing rode etc. shall be handled very carefully to avoid breakage or distortions. The erection shall be carried out using mechanized erection tools. The polarity of the isolator polls shall be properly identified and also the direction of the opening should be pre-determined. It should be ensured that in the entire switchyard the isolator open and close uniformly (direction point)

3.11.5 The operating mechanism for the line contacts shall be thoroughly checked for their accessories as per approved drawing and it should be ensured that all the connection fuses links dehumidifiers lighting sockets electric motors are in their proper position. Any deviation from the approved drawing should be got sat right with the help of engineer in charge. Position. Any deviation from the approved drawing should be got set right with the help of Engineer-in-Charge.

3.11.6 While erecting the isolator, it should be ensured that it should be properly aligned with respect to bus conductors or line conductors bus provided In the switchyard: The erected Isolator shall be within the plumb. The operating mechanism rods, pole and rotating insulators shall be checked for their proper function. The testing of the wiring to the kiosk should also be done to ensure its operation worthiness. The final commissioning of the isolator should be done only after connection to control panel is affected. However prior to that it should be ensured that the physical movement of the fixed and moving contacts and reach of them is within the prescribed limit.

3.12.0 ERECTION OF CONTROL AND RELAY PANELS.

3.12.1 The contractor shall procure the control and relay. panel from site store or any other stores of the and transport the same to the erection site. The cases containing the panel shall be unpacked carefully and shall be nicely cleaned. In case any of external damage is observed, same shall be brought to the notice of Engineer In charge. The. panel. shall be unpacked in upside up position. After an external visual inspection, the panel door shall be **opened and checked for the circuit connection,** terminal connector, dehumidifier, power connection etc.

3.12.2 A front side of the panel shall be checked for any damage to the meter indicator, hooter, semaphore indicators

3.12.3 Any lacuna in the equipment's, circuits, fittings, dimensions etc. observed shall brought to the notice of Engineer in charge who will try to impose remedial measures

3.12.4 The relay panel should also be checked for type, of schemes adopted for protection, internal connection, fascia indicator etc. Any difference observed should be brought to the notice of Engineer in charge who will take necessary action.

3.12.5 The panel shall be erected along cut outs provided in the slab concrete, in the order, it is decided, by Engineer in charge or which is approved by authorized drawing.

3.12.6 The size and number of cores of cables be brought from the equipment to control panel, control panel to relay panel and back to equipment shall be pre-determined by study.

3.12.7 After the erection of control panel and relay, panel, all the equipment's, accessories indicators etc. along with the internal wiring and other accessories provided with the kiosk of the panels.

3.13.0 LAYING OF CONTROL CABLES AND TERMINATIONS THEREOF

3.13.1 Laying and termination of control Cable work shall generally Include following:

a) Control and power cable from individual equipment's kiosk to the field kiosk.

b) Laying and termination of Control and L.T power cable from field -kiosk to control room equipment (i.e. LT switchgear, DC battery and control panel/relay panel.)

c) Laying and termination of Cable from the transformer kiosk to transformer panel and upto AC/DC supply source.

d) Laying & termination of Control cables from control panel to relay panel and vice a versa.

e) Laying & Termination of cable from DC/AC source, battery room L/T switch gear room to control/relay panel.

g) Laying & termination of cable from 11KV/400 V Distribution transformer to LT switch gear room.

h) Laying & termination of cables from Station transformer to distribution transformer in the switchyard as well as in the residential. Quarter area.

I) Laying & termination of LT power cable from station transformer to fire protection system kiosk (If required).

3.13.2 Will provide the cable schedule for the various control schemes, protection schemes and metering scheme as well as communication, scheme etc.

3.13.3 'The contractor shall procure' the required size of control and power cable from the purchaser's site store to any other stores from where the same allotted and transport it to its site store.

3.13.4 The control cables shall be terminated using correct type of lugs and further prodded with ferules giving the identification number of various cores of the cable. Correct type of tools for termination shall be used to secure a rigid connection of the cable tray along with the cable trenches. Normally mild steel, racks and cable trays are provided in the cable trench. However, the purchaser may it its' own discretion prefer to utilize fiber reinforced poly propylene (FRP) cable racks and trays. In such an event, the racks and trays, will be supplied by the Purchaser to the contractor in a knocked down condition. The contractor shall assemble the rack and provide trays on them as per the approved drawing given by the purchaser. If FRP trays and racks are to be utilized, the contractor will have to take extra care while laying the cable through different layer and racks to avoid any displacement or distortion of the FRP racks. However, if the laying of pre-fabricated FRP racks and trays fall in the scope or FRP rack/tray supplier, the contractor shills co-ordinate and synchronize his cable laying activities with respective supplier of FRP rack/trays.

3.13.5 Utmost care shall be taken by the contractor to prevent damage to outer insulation and the armors of the cables. No joint to the cable shall be permitted. unless situation so warrants and Engineer in charge permits the same.

3.13.6 After laying, all the 'power and control cable shall be properly identified giving the serial either a number and details of end connections.

3.14.0 <u>ERECTION OF BATTERY AND BATTERY CHARGER</u>

3.14.1 The contractor shall procure the material required for installation of batteries sets and battery charger from the site store or any other stores of the Purchaser and transport this material to the work site.

3.14.2 All the container/packing of the battery and battery charger shall be opened carefully to prevent any damage to the equipment. The equipment than shall be cleaned to remove any dust or other un-warranted deposition. The battery rack shall be placed in such a fashion that rows of battery cell can be conveniently connected to each other. The contractor shall obtain the drawing of arrangement of battery racks and its connection to floats charger and boost charger with reference to the floor space. The battery cells shall be filled with requisite amount of electrolyte with proper specific gravity and up to the mark of maximum-level indicated on the battery cells. All the cells shall be connected in the series to obtain total voltage of the 224V AC. How-ever. Individual cell shall also be checked for their voltage across terminal before series connection.

3.14.3 The battery rack shall be provided with bottom insulating material to prevent any

leakage of current to the earth. Similarly, individual battery cell shall be provided with insulation supports to wooden rack to prevent any body leakage. The purchaser shall supply wooden racks and acid distilled water etc.

3.14.4 The connection. Of the battery shall be done through a cable. and same shall be terminated in the LV room (AC/DC) before commissioning of the battery and battery charger. The entire battery room shall be completely cleaned. Similarly racks and. battery cells shall also be cleaned for any deposits of electrolyte and other particles.

3.14.5 A connection of boost charger shall be secured from the AC supply provided in the LT switchgear room.

3.14.6 All the accessories supplied for measuring the specific gravity and testing etc. provided by the supplier shall be return to the Engineer in charge or shall be placed at proper place in the battery room under intimation to Engineer in charge.

3.14.7 Load test on the commissioned battery sets shall be taken as per the instruction of the Engineer in charge and performance of the battery cells float boost charger shall be observed for few hours. Test load then shall be removed and battery shall be ultimately connected to the LV room for its onwards utilization in control indication and protection circuits.

3.14.8 The following checks are recommended for battery

i) Checking of completion of civil/ventilation requirement of battery room.

ii) Checking of adequacy of charger output/requirement with respect to current required for battery charging as per the manual.

iii) Checking for availability of safety devices, water and first aid box.

iv) Checking the polarity of connections between battery and charger.

v) Visual inspection test for level and leakages.

vi) Checking of layout as per approved drawing.

vii) Checking of IR value from positive to earth and negative to earth.

viii) Checking of voltage per cell and total voltage between positive negative and earth to positive/negative,

ix) Checking of tightness of connectors on each cell.

x) Checking of capacity test and hourly measurement of specific gravity and voltage for each cell.

xi) Charging-discharging cycle as per standard practice, and as per instruction of Engineer-in-charge.

3.14.9 The following checks are recommended for battery charger.

i) IR test

iii) Checking for charging mode of batteries, constant current and constant voltage mode.

iv) Load test on charges by running of DC drives (if there and by liquid resistance system).

v) Checking of thickness of earthling connections.

viii) Check for functional operation of charger, auto manual change over from float to boost to float etc.

ix) Check for AC ripple in boost and float made after charging.

x) Check and polarity of cables connected to battery

3.15.0. Technical Specifications for Mesh Type Earthing:

3.15.1 The earth conductors **(75X10 /50x6 GI Strips /40 mm Round bar)** should be laid at depth of 0.6 Meter. This should be laid by excavating of earth 0.3 x 0.6 meter below ground level. This includes making layer of bentonite powder (Clay) below the mesh of about **25 mm.** The rate of **150 mm** over lapping of conductor for each joint inclusive in item**.**

3.15.2 Providing vertical ground rod (M.S. Round Bar) of **40 mm** dia & 3 meter length to be driven at periphery and junction points of the mesh for check pit. And at all such vertical ground rod Check

Pit point 10 kg of bentonite powder is to be driven at level 600 mm below ground level i.e. at level of mesh.

3.15.3 Installation of earthing pits as per drawing by providing 100 mm inner dia cast iron pipe of 13 mm thickness and 3000 mm length. Work includes fabrication and fixing of GI strips for earthing connection as per drawing. Excavated earth pits should be filled by mixture of charcoal and salt of inner size up to top. Further extra earth should remove away from the site / s/s premises complete as directed by the E.I.C.

3.15.4 Installation of earthing strips for riser & connection to GI structure/ Equipment's with providing cleats wherever necessary as per attached drawing. Lap welding and where ever asked arc welding is to be carried out as per instruction of EIC.

3.15.5 Installation of earthing pit chambers as per drawing with BB masonry earthing pit chamber of 650 x 650 mm clear size including heavy duty type approved GI cover with frame ,necessary excavation, bottom concreting of BBCC 1:4:8 150 mm thick/225 mm thick BB masonry in CM (1:6) 12 mm thick cement plaster in CM (1:3) inside to all exposed faces up to 300 mm below ground level, curing etc. including disposal of surplus excavated earth up to radius of 500 mtrs .including 3 coats of white or color wash to all exposed finished surface etc. complete as directed by EIC with including supply of cement BB masonry up to 1 meter. This item includes supply of cement, bricks, C.I. Cover etc. by contractor.

3.15.6 Laying of 7/10 G.I. Earth wire from tower top to pad type clamp by providing cleat type clamp with structure including supply of T connector and pad type clamp.

3.15.7 Work is to be carried out as per guidance given in IS 3043-1987 & as per I.E. Rules and CBIP manual for earthing systems.

3.15.8 All the earth conductor for mesh should be at depth of minimum 0.6 meter from the ground level and joint together with the help of welding joint at all the junctions.

3.15.9 Use of bentonite powder under and around the complete mesh, vertical rods and also selected portion of yard advised if resistivity is high is to be provided.

3.15.10 If pipe line is passing above or below our mat it should be connected with mesh by clamp. And should be painted green and one danger board should be provided stating caution of risk of high potential during fault.

3.15.11 All reinforcement bars visible outside concrete structure to be welded with earthing mat.

3.15.12 For entire Switch Yard there should be only one ground.

3.15.13 Vertical ground rod is to be driven into ground in **100 mm dia**. Bore for Check Pit. As well as other vertical ground rod.

3.15.14 Wherever GI earthing strips are to be welded they should be overlap by 150 mm.

3.15.15 All earthing pits are to be constructed as per drawing.

3.15.16 All Check Pits are to be constructed as per drawing.

3.16 MAINTENANCE FREE TREATED EARTHPIT

The bidder shall have to do the entire work of earth pits required for equipment earthing and for the pits at the corners of earth mat.

STANDARDS

The product and the equipment covered by this specification shall, unless otherwise specified be in line with the requirement of any of the latest applicable standards and will apply in order of priority as listed below:-

a) Indian Standards
b) IEEE 80
c) ANSI (American National Standards)
d) BS (British Standards)

EARTH PITS

All the Earth Pit shall be with special Ground electrodes supplied by Reputed Manufacturer. These special electrodes are provided with Ground enhancement material.

A. EARTHING PRODUCT COMPONENT SPECS

- The Earthing System should be based on use of Copper Bonded Earth Rods / Pipe electrode /PIP electrode (for corrosion resistance) and Ground Enhancement Material (to reduce Soil Resistivity).
- It should be capable of providing any ohmic value as specified by the client, by inter-connection of ground rods to form a Grid.
- The system shall be totally maintenance free and require no periodic or scheduled maintenance for a period of at least 30 years.
- There shall be no requirement to add water or any other chemical any time after initial installation.
- There should be no requirement to have inspection/maintenance chamber. The system shall provide constant low ohmic value for entire life cycle without any consideration for moisture or temperature conditions.
- The system shall be in use worldwide for a period of at least 20 years.
- The manufacturer shall be a company of international repute engaged in the field of Facility Electrical Protection work.

B. ELECTRODE:

(1) COPPER BONDED EARTH RODS

- The Earth Rods shall have a nominal (actual) dia of 24mm (Min.) and length of 3 M (Min.). It shall be capable of handling 25KA 1 Sec short time current.
- The Rods shall have a steel core with molecular bonding of 250 micron of copper as per international standards.
- A nickel layer is applied to steel core (and subsequently copper) by an electrolytic process forming a metallurgical bond between the three.
- The copper used shall be type DHP alloy No. 122 CDA and rated at 99.95% copper. The thickness of copper layer shall be uniform 250 micron.
- The Rods should be manufactured by a company of high repute to ensure quality of Copper Bonding.
- The Rods should have been subjected to long term study to verify the claims of corrosion resistivity made by the manufacturers

(2) PIPE or PIP (Pipe-In-Pipe) ELECTRODE

- It shall be capable to carry out the fault current as per GETCO standard considerations.
- It should have been subjected to long term study to verify the claims of corrosion resistivity made by the manufacturers.

C. GROUND ENHANCE MENT MATERIAL / BACK FILL / GROUNDING COMPOUND

- Ground Enhancement Material/ Backfill / Grounding compound shall be permanent and maintenance free. (No re- charging with salts or any other chemicals) and shall maintain its earth resistance with time.
- Ground Enhancement Material/ Backfill / Grounding compound shall confirm IEEE 80-2000 Clause No.14.5 (d)
- It must set up firmly and not dissolve or decompose or otherwise pollute the soil or the local water table.
- It shall be suitable for use in dry form or slurry form.
- The Ground Enhancement Material/ Backfill / Grounding compound shall not depend on the continuous presence of water to maintain its conductivity.
- Ground Enhancement Material/ Backfill / Grounding compound in its set form shall have a resistivity of not more than 0.12 ohm-m.
- The material should have been subjected to long term study to verify the claims made by manufacturers about its soil resistivity reducing qualities.
- The material shall have been tested in a reputed laboratory for not containing any hazardous chemicals as per EPA Chapter-7.
- The material shall be carbon based conductive concrete and shall not contain bentonite in any form.

- The bottom 300 mm of the bore hole shall be filled with good quality preferably black cotton soil. The balance length of the bore shall be filled entirely with the backfill compound in pure form without mixing with soil. The compound shall bond tightly with the electrode and become a solid mass.

D. CLAMP

- Each Earth Rod/pipe must be provided with a suitable clamp to facilitate Inter-connection of rods and connection to Equipment Earth Bar using appropriate copper/GI strip or conductor.

GUARANTEE

The product shall be guaranteed for trouble free operation for a period of 30 years from date of commission or arrival at site which ever is later. Any defect discovered during this period shall be rectified free of charge. The pits shall be drawn with the help of a boring machine, an auger or any other means as required by site conditions and nature of ground strata.

For Normal Soil Drawing No. GETCO/E/STD/P-021 (1 of 2) R3, DTD. 29-05-2020 and For Rocky Soil Drawing No. GETCO/E/STD/P-021 (2 of 2) R3, DTD. 29-05-2020. shall be used for reference.

Important Note:

Terms ***"CI Pipe Electrode"*** and ***"Treated Electrode"*** shall be replaced by ***"Maintenance free Treated Earth pit"*** wherever written in Earthing Philosophy as well as applicable equipment earthing drawings.

3.17 GENERAL :

3.17.1 The Contractor shall ensure that at the end of each sub-activity the Surplus materials are immediately removed from the work-site and the surplus excavated earth is spread around to avoid loss or injury to the public/equipment's.

3.17.2 The Contractor has to return all surplus materials after reconciliation of material account in good and useable condition. The contractor shall settle the final bill including signature on all relevant papers required for passing of final bill, excess/saving statement and time limit extension proposal. If any within three months from the date of charging/commissioning or taking over by the GETCO of the Sub Station.

3.17.3. Most of all equipment's should be erected in presence of the concerned engineer from OEM/GEB engineer.

3.17.4. After complete erection and operation, contractor's supervisor should attend the site whenever called from GETCO for further testing commissioning of equipment's/panels etc.

3. 18.0 WASTGES:

3. 18.1 The contractor shall make every effort to minimize the breakages, losses and wastages of line material etc. supplied "Free of cost" by the GETCO for line Erection work.

3.18.2 The maximum ceiling for wastages permitted is as under:

The maximum ceiling for wastages permitted is as under:

Sr no	Item	% Wastages permitted (Max.)
1	conductor & earth wire	1/2 % (for jumpering & sag)
2	conductor & earth wire	1/2% (for credit s scarp of cut piece length (from 10 mtrs up to 30 mtrs)
3	conductor & earth wire	2 % (for credit in pieces s good conductor from > 30 mtrs up to 100 mtrs)
4	Insulators	1/4 %

SCHEDULE –A
MATERIALS

Following material will be supplied by GETCO "free of cost" for "Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle."

G I Structures, accessories, attachments bolts-nuts, Angle, channel etc.

1) Conductor, conductor accessories, earth wire, earth wire accessories.
2) Insulators, insulator hardware's.
3) 132kv/66 KV /11KV/LT equipment's with accessories and control and relay panels
4) Various sizes of armored control cables and LT cables.
5) Earthing materials like GI Strips. Galvanized wire etc.
6) PLCC equipment's and PLCC panels.
7) 11KV Power Cable.
8) 11KV Indoor Cable Termination Kits if available with GETCO.

Following materials / equipments will be procured / arranged by the contractor activities **"Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle."**

Tools tackles required for Sub-Station erection activities and stringing.

1) All Earthing Materials Except GI Earthing Strips/MS Round bar, filter machine, hydraulic crane and hydraulic jointing machine/welding machines. GI pipe, coal, salt, GI Nuts & Bolts etc.
2) All required material for Colony & Yard Lighting, Control Room electrification, and Quarter electrification work except GI angle required for fabrication for fixing of ICTPN.

STORE CENTRES

Sub-Station Equipment/Material will be issued from following Store Centers.

Sr. No.	Name of Sub Station.	Store Centers for issue of S/s materials. /equipments.
1	**"Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle."**	Asoj Store of GETCO.

Note: 1) Generally all required materials will be issued form above store centers. Of in case of non-availability of some items, contractor shall have to collect from other nearby store centers without extra cost to the GETCO.

2) **Bidder shall be note that material/equipment shall be issued from Asoj store of GETCO and Bidder shall arrange loading, unloading, transportation from Asoj store of GETCO to work site.**

INDEMNITY BOND

(Non Judicial Stamp Paper of Rs. 300/-)

KNOW ALL MEN BY THESE PRESENTS that we, Messer's _____

_____ (hereinafter called "the Contractor" which expression shall, where the context so admits, include their heirs, executors, administrators and legal representatives, successors and permitted assigns) are hereby held and firmly bind unto the Gujarat Energy Transmission Corporation Ltd (hereinafter called "the GETCO" which expression shall, where the context so admits, include its successors and assigns) to refund the full amount of materials supplied by the GETCO under the terms and conditions of A/T No. _____ _____ dated _____ against any loss damage or deterioration of whatsoever nature occurs to said materials supplied by the GETCO and which are in the custody of the contractor at their works site, on behalf of the GETCO, at,

_____

_____ (name of line / SS) and / or if any of the said materials, when inspected by any officer authorized by the GETCO in this behalf, is found to be damaged, lost, deteriorated in quality or quantity, the contractor hereby agrees to bind himself to indemnity and at all times keep indemnified the GETCO against all loss, damage and deterioration to the any material supplied by the GETCO during his custody and shall pay in cash on demand from the GETCO within 30 days the market value of such materials which is lost, damaged or deteriorated in full to the GETCO and shall also hereby authorize the GETCO to deduct the said sum from any sum due to the contractor or any sum which may at any time become due to the contractor under the above referred contract or any other contract entered into by the contractor with the GETCO.

AND WHEREAS the contractors do hereby agree to be responsible for the safe custody and protection and preservation of the said materials against all risks, excluding war risks and against loss, damage and deterioration of whatsoever nature in respect of the said materials while it remains in the custody and possession of the contractor.

AND WHEREAS the said materials shall at all times be open for inspection by any officer authorized by the GETCO

Now the conditions of the above written bond are such that the contractor shall pay the full amount forthwith to the GETCO in the event of loss, damage or deterioration or whatsoever except due to circumstances arising out of war in respect of the materials supplied by the GETCO and shall fully and effectually indemnify and keep indemnified to the GETCO against such loss, damage and deterioration.

The contractor shall keep the said materials open at all times for inspection by the officers authorized by the GETCO and produce at any time when demanded.

THE WITNESS WHERE OF: We the

Said M/S _____

_____

(Signature of contractor)

(Seal of Firm)

hereto signed at _____

this day _____

In the presence of

1. _____ **Name** _____

_____**address** _____ **(Signature)**

2. _____**Name** _____

_____**address** _____ **(Signature)**

PROFORMA FOR CONTRACT AGREEMENT

(Duly Notarized on Non Judicial Stamp Paper of Rs. 300/-)

This Agreement is made at BARODA the_____ day of _____ in the Christian Year Two Thousand Twenty Five between M/s. _____ (address of office) _____ (hereinafter referred to as "THE CONTRACTOR" which expression shall unless excluded by or repugnant to the contract include its successors or permitted assigns) of the ONE PART and the Gujarat Energy Transmission Corporation Ltd, having their Head office at Vidyut Bhavan, Race Course, Baroda 390 007 (hereinafter called "The GETCO" which expression shall unless excluded by or repugnant to the context include its successors or assigns) of the other part.

WHEREAS the aforesaid GETCO has accepted the tender of the aforesaid contractors for

_____

_____ as per GETCO's Order No. _____dtd._____ hereinafter called "the works" and more particularly described and enumerated or referred to in the specification, terms and conditions prescribed in the order letter, covering letter and other letters and schedule of price which for the purpose of identification have been signed by Shri _____ on behalf of the contractors and by _____ on behalf of the GETCO, a list whereof is made out in the Schedule hereunder written and all of which said documents are deemed to form part of this contract and included in the expression "The works" wherever herein used, upon the terms and subject to the conditions hereinafter mentioned.

AND WHEREAS THE GETCO has accepted the tender of contractors for the construction of the said works for the sum of Rs. _____ Rupees (_____) upon the terms and subject to the conditions herein mentioned.

NOW THIS AGREEMENT WITNESSESS AND IT IS HEREBY AGREED AND DECLARED THAT.

1. **The contractors shall do and perform all works and things in this contract mentioned and described or which are implied therein or there from respectively or are reasonably necessary for the completion of the works as mentioned and at the times, in the manner and subject to the terms and conditions and stipulations contained in this contract, and in consideration of the due provision, executions, supply and completion of the works agreed to by the contractor as aforesaid the Board doth hereby covenant with the contractor to pay all the sums of moneys as and when they become due and payable to the contractors under the provisions of the contract. Such payment to be made at such times and in such manner as is provided by the contract.**

2. **The conditions and covenants stipulated here-in-before in this contract are subject to and without prejudice to the rights of the Board to enforce penalty for delays and / or any other rights whatsoever including the right to reject and cancel on default or breach by the contractor of the conditions and the covenants as stipulated in the general conditions, specifications, forms or tender schedule etc.**

attached with GETCO's Order No. _____ _____.

The contract value, extent of supply & erection works, delivery dates, specifications and other relevant matters may be altered by mutual agreement and if so altered shall not be deemed or construed to mean or apply to affect or alter other terms and conditions of the contract and the general conditions and the contract so altered or revised shall be and shall always be deemed to have been subject to and without prejudice to said stipulation.

SCHEDULE

List of documents forming part of the contract:

1. **GETCO's Tender Specification No. _____ and contractor's offer opened on dated ____/____/2026**
2. **GETCO order No. Dtd. _____ / _____/ 2026**
3. **Contractor's acceptance of order vide letter no. _____.**
4. **Contractor's Partnership Deed dtd. _____.**
5. **Contractor's Power of Attorney / Board Resolution authorizing person to sign on behalf of Firm.**

In witness whereof the parties here to have set their hands and seals this day and month, year first above written.

1) Signed, sealed and delivered by
(Signature with name, Designation and official seal)

For and behalf of M/s. _____ (Signature)

_____

Address: _____

_____

In the presence of (Full Name, Address and Signatures)

i) _____ (Signature)

_____

_____

ii) _____ (Signature)

_____

_____

2) Signed, sealed and delivered by

(Signature with name, Designation and official seal)

for and on behalf of Gujarat Energy Transmission Corporation Ltd Const Division. Jambuva, BARODA - 390 007.

In the presence of name, Full address and Signature:

(1)_____

_____

(2)_____

_____

SAFETY CUM INDEMNITY BOND

(On Non-judicial Stamp paper of value not less than Rs. 300.00)

KNOW ALL MEN BY THESE PRESENTS that we, _____ by this SAFETY CUM INDEMNITY BOND Executed on this _____ Day of _____2026. We Having Registered Office _____(herein after called "THE CONTRACTOR" which expression shall mean and includes my /our heirs, executors, administrators and legal representatives, successors and permitted assigns) do hereby binds myself/ourselves and also our company/firms after having the power to bind by this promise and undertaking in favour of the Gujarat Energy Transmission Corporation Limited (GETCO), Vadodara a State Transmission Utility under The Electricity Act, 2003 having its registered office at Sardar Patel Vidyut Bhavan, Race course, Vadodara.

(hereinafter called as GETCO, which expression shall mean and include its legal representative, administrators assigns) has agreed under the terms and conditions of the contract no._____dated_____made between _____and_____ _____for the contract of the _____value of Rs. _____interalia on production of Safety Cum Indemnity Bond.

We do hereby undertake and agree to Indemnify and keep Indemnified GETCO from time to time to the extent of Rs._____ Rupees_____only against any losses or damages, costs, charges and expenses caused to or suffered by reason of the CONTRACTOR while Project, R&M, O&M work including work carried out by outsourcing agency, failing to take proper care or not complying the guidelines given hereunder as per Annexure-A and instructions which may be given from time to time during the continuance of the contract and we further undertake to unconditionally pay the amount claimed by the GETCO on demand and without demur to the extent aforesaid.

Whereas the CONTRACTOR has/have been awarded to execute the job/works under order no._____, dated _____ for _____ issued by the GETCO after having observing necessary formalities, the details of which is described in the order no._____ dated _____ and whereas the said job/works will be /likely to be done in places covered under Employees' State Insurance Act,1948 (ESI) and /or the Workmen Compensation Act,1923 and /or other laws relating to the Labour Management and Welfare Act. (Respective Amendments).

And whereas according to the condition of the Contract the CONTRACTOR is under obligation to execute this Safety cum Indemnity Bond before the commencement of actual execution of work.

Now the indenture witnesses that I/We the CONTRACTOR do hereby undertake to follow the guidelines as per Annexure-A prepared by the GETCO.
Further we the CONTRACTOR agree that the GETCO shall be sole judge of and as to whether there has been any breach of the guidelines as per Annexure-A of this bond and as to the extent of the loss, damages, costs, charges and expenses caused to or suffered by the GETCO.
We the CONTRACTOR further agree that our liability under this bond shall not be discharged because of the change in the constitution of the GETCO or for the extension of the time limit or for any other reason.

We the CONTRACTOR further agrees to the given terms and conditions:

a. That the CONTRACTOR undertakes /undertake to indemnify and keep harmless the GETCO from all claims, actions, proceedings and risk, damage danger to any person whether belonging or not belonging to the. CONTRACTOR.

b. That the CONTRACTOR shall keep harmless the GETCO from all claims, compensation, damages any proceedings in respect of any of its employee / workmen under the Workmen Compensation Act or any other laws for the time being in force.

c. That, if during the course of execution of work as stated in the contract order mentioned hereinabove issued by the OBLIGEE, it is found that the CONTRACTOR has not complied with guidelines as per Annexure-A or terms and conditions / formalities within the meaning of Employees' State Insurance Act,1948 (ESI) or Workmen Compensation Act 1923 or any other laws relating to the Labour Welfare for the time being in force, and also has not observed the safety norms in accordance with the law prevailing at the place of work/job to the satisfaction of the GETCO, the GETCO shall have the right to stop the execution of work/job and the period of such stoppage shall not be taken into account for the calculation of the total period of completion of work for which the CONTRACTOR is responsible to complete the work/job and it will be deemed that discontinuance was due to default of the CONTRACTOR .

d. That, if any time, due to exigency, GETCO as the Principle Employer, becomes liable to pay any such compensation mentioned hereinabove, whether on failure of the CONTRACTOR or for any other reason, the GETCO shall have the right to recover the said amount from any amount receivable by GETCO or any bank guarantee deposited or anything payable whether in connection with this contract \ or other contract by the CONTRACTOR to the OBLIGEE.

e. That the CONTRACTOR is/are aware and accept that for the persistent or repeated violation of any guidelines as per Annexure-A and terms and conditions mentioned in this Safety cum Indemnity Bond, GETCO shall have right to terminate the contract of work issued to the CONTRACTOR .

f. In case if any safety related fatal Electrical / Mechanical accident occurred to any employee of agency or outsider due to negligence or non-compliance of GETCO safety norms then in addition to the compensation and liability as per statutory

requirement, contractor / agency is hereby agreed to pay the penalty amount as given below:

Sr. no	Amount of Contract in Rs.	Penalty amount
1	Up to 1 Lac	Rs. 5000/- plus applicable taxes (if any)
2	Above 1 Lac to 10 Lacs	Rs. 40,000/- plus applicable taxes (if any)
3	10 Lacs to 100 Lacs	Rs. 1,00,000/- plus applicable taxes (if any)
4	More than 100 Lacs	1.0 % of contract value. plus applicable taxes (if any)

g. I/We the CONTRACTOR hereby confirm that in case of any dispute/difference for settlement of claims under this Safety Cum Indemnity bond the courts in Gujarat State wherever job/work is performed or as per GETCO norms shall have the jurisdiction to decide the rights & liabilities of the parties while adjudicating the matter of claims under this Safety Cum Indemnity Bond.

h. This Safety cum Indemnity Bond shall continue and hold good until it is released by the GETCO in Writing on the CONTRACTOR's application after the Contractor has discharged all his obligations under the order mentioned hereinabove and submitted a "NO DEMAND CERTIFICATE" from the GETCO under the said order. The Safety cum Indemnity Bond shall be valid for a CONTRACT PERIOD and renewable thereof (Claim Period).

i. This Safety cum Indemnity Bond and the guidelines as per Annexure-A herein contained are in addition to And not by way of limitation or substitution for any other guarantee, indemnities Hereto before given to the GETCO by the CONTRACTOR and this indemnity does not Revoke or limit such indemnities or guarantees. IN WITNESS WHEREOF the Parties hereto have executed this indenture the day the year First hereinabove written.

(Signature with seal of The CONTRACTOR)

In the presence of:

1.

2.

SCHEDULE – 3

BANK GUARANTEE FOR SECURITY DEPOSIT/PERFORMANCE

NON JUDICIAL STAMP PAPER OF RS. 300/- (Stamp Paper Validity Six months)

To,
Superintending Engineer
Gujarat Energy Transmission Corporation Ltd
Circle Office, Jambuva
Vadodara-390 014

BG. No.
Issue Date
Expiry Date
Amount

BANK GUARANTEE FOR SECURITY DEPOSIT/PERFORMANCE

In consideration of the …….. [Insert name of the Supplier / Contractor / Agency, Address] who have entered into a contract for works specified below :

L.O.I./L.O.A No._____dated_____with Gujarat Energy Transmission Corporation Limited (herein after referred to as GETCO), We ……. [Insert name and address of the bank issuing the guarantee and address of the Registered office] (hereinafter referred to as "Guarantor Bank") hereby agrees unequivocally, irrevocably and unconditionally to pay to the GETCO at Circle Office, Jambuva forthwith on demand in writing from the GETCO or any Officer authorized by it in this behalf, any amount up to and not exceeding Rupees ……only [Insert the amount of the bank guarantee].

This Bank Guarantee shall be valid and binding on the Guarantor Bank up to _____with a right to seek encashment for a period up to 30 days from the said Date (Date of Expiry of BG) and shall in no event be terminable by notice or any change in the constitution of the Bank or the term of the Agreement or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between parties to the respective agreement.

Our liability under this Guarantee is restricted to Rupees… (Rs. …….. only). Our Guarantee shall remain in force until ……. [Insert Date of Expiry of BG]. The GETCO shall be entitled to invoke this Guarantee any time up to thirty (30) days of the last date of the validity of this Guarantee i.e_____ [Date of Expiry of BG + 30 days] by issuance of a written demand to invoke this guarantee.

The BANK GUARANTEE can also be presented at the _____ [hereinafter referred to as Local Branch at Vadodara] of the _____ (Issuing Bank of BG) for its Invocation.

The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand from the GETCO, made in any format, raised at the above mentioned address or local branch at Vadodara of the Guarantor Bank, in order to make the said payment to the GETCO at Vadodara. The Guarantor Bank shall make payment hereunder on first demand without demur and without raising any restriction or conditions and notwithstanding any objection by, …… [Insert name of Contractor/Supplier/Agency] and/or any other person.

The Guarantor Bank shall not require the GETCO to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against the GETCO in respect of any payment made hereunder.

Seal & Signature of Bidder

This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly the GETCO shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against the _____(Name of party) to make any claim against or any demand on the _____(Name of party) or to give any notice to the _____(Name of party) or to enforce any security held by GETCO or to exercise, levy or enforce any distress, diligence or other process against _____(Name of party)
This BANK GUARANTEE shall be interpreted in accordance with the laws of India and the courts at Vadodara shall have exclusive jurisdiction.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

This BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Guarantor Bank.

The Guarantor Bank hereby agrees and acknowledges that the GETCO shall have a right to invoke this Bank Guarantee either in part or in full, as it may deem fit.

Any Demand made by GETCO on the Guarantor Bank or its Local Branch at Vadodara shall be conclusive and binding not withstanding any difference between GETCO and _____[Name of Supplier/Contractor/Agency] or any dispute pending before any Court, Tribunal, Arbitrator or any other Authority.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rs. …….. (Rupees. …….. only) and it shall remain in force until ……[Insert date of validity of BG], with an additional claim period of thirty (30) days of the last date of the validity of this Guarantee i.e_____ [Date of Expiry of BG + 30 days]. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if the GETCO serves upon us a written claim or demand.

In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this …….. day of …… at …….

Witness: 1. …….
Name and Address.
2. ……..
Name and Address

Signature(s) of

_____

Constituted Attorney with POA No. and
round seal of Bank
OR
Signature of Two Bank Officials with their sign,
sign code nos. & round seal of
Bank

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

PARTY TO TAKE NOTE PLEASE BEFORE SUBMITTING THEIR BANK GUARANTEES

1.A/T no. and date to be written on every page, of Bank Guarantee & its Extension.

2.If B/G amount is more than Rs.50, 000/-, kindly take sign of two bank officer with their respective Employee code no.

3. Valid Confirmation letter of the concerned Bank in an approved format should be attached with every Bank Guarantee & its Extension.

4. Stamp paper should be valid & recent one and date of issuing of stamp paper should not be beyond six months, in any case.

5.Round seal and signature of two Bank officers should be affixed on every B/G paper.

SCHEDULE – 4

(FORMATE)

BANK GUARANTEE (Extension of Validity)

(To be executed on non-judicial stamp paper of Rs.300/-)

(Name and address of the Bank issuing the Bank Guarantee extension.)

To,
Superintending Engineer (TR)
Gujarat Energy Transmission Corporation Limited,
Transmission Circle office.
Jambuva, Vadodara - 390 014

EXTENSION OF BANK GUARANTEE NO._____ dtd._____ of Rs._____ (Amt, in words_____)

The validity period of our subject Bank Guarantee issued in your favor on behalf of M/s._____ is hereby extended from date_____ to date_____.

Notwithstanding anything mentioned herein before, our liability under this guarantee is restricted to an amount not exceeding Rs._____ (Rupees_____ _____only) and it will remain in force till _____.(Date of validity / Expiry)

We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only if you serve upon us a written claim or demand on or before dated _____ (Date of expiry of BG +30 Days claim period)

All other terms and conditions mentioned in the original Bank Guarantee will remain unaltered. This extension forms an integral part of the above quoted original Bank Guarantee and may be kept thereto.

Place:_____

Date:_____ Round seal & signature of Two Bank Officers with Sign Code No.

ANNEXURE-A

OUR ENDEVOUR - Safety a habit

To create 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 a the nation, safety guidelines are agreed upon by the agency as under.

Safety is our prime concern and zero accident is our goal. In order to prevent the accident, while execution of works in indoor and outdoor systems of GETCO, the following guideline and preventive measures are identified.

Indoor safety precaution	Outdoor safety precaution
The method of work required T&P and manpower should be discussed between GETCO supervisor, contractor's supervisor and gang leaders.	The method of work required T&P and manpower should be discussed between GETCO supervisor, contractor's supervisor and gang leaders.
Prior to execution of work a joint survey must be conducted by GETCO supervisor, and contractor's supervisor for risk assessment.	Prior to execution of work a joint survey must be conducted by GETCO supervisor, and contractor's supervisor and DISCOM line man in order to identify the following.
• Clearly identify the work location, to distinguish between the equipment that is dead and other equipment / part that may be live. • Disconnect the equipment from supply. • Protect against other live parts. • Take special precautions when close to the bare conductors/bus bar	a. HT/LT line or tap line crossing under each span of line of the work that b. Isolation point of each line crossing. c. Each line crossing & isolation point under each span must be discussed and noted in maintenance register with sketch
Following safety guidelines are mandatory for all contractors operating in GETCO premises for Electrical, non-electrical & civil works. 1) The contractors must provide advance planning of work to concerned in-charge of substation in writing. 2) Before starting any work whether switch yard, "permit to allow to work" must be taken from control room in-charge. 3) Utilizing Electrical / non-electrical. equipment, safety rules must be implemented. 4. If the work is to be carried out on Sunday or public holiday, the necessary permission must be taken in advance, requesting in writing. 5. Unwanted person including children of labours will not be allowed at working site/ in the switchyard and in the prohibited area. 6. Any electrical work or electrical connections to equipment for any other	1)Contractor's supervisor and GETCO Supervisor must ensure all isolations physically with adequate earthing technically prior to give clearance to gang leader for taking up job. 2)While execution of stringing work, the identified line crossing must be isolated / de-energized and written clearance should . be obtained from concerned DISCOM supervisor. 3)The isolation of Tap line must be physically seen and verified by Contractor and GETCO supervisor. 4)At D.O. fuse junction contractors person should be posted to ensure that no person restore D.O. supply while work is under execution. 5)Contractor's supervisor must ensure that concern officer take LCP for EHV line and power line crossing.

work must be carried out by certified electrician/wiremen with adequate size of wire through MCB as per I.E. Rule. - Live penal area / bus bar must be isolated and sealed / bifurcated with red colour tape for visible warning. - Display Board must hang on LCP panel. - Transformer must be switched off whenever and wherever contractor and line workers are not satisfied with isolation, earthing or any equipment performance of GETCO, it will be pointed out and work shall begin only after resolution. Contractor shall not take up job in absence of GETCO authorized person. All wire temporary connection & material whenever erection activity has any connection and disconnection work of bus bar, string bus.	
All workers / labour of contractor & supervisors must use personal protective equipment (PPE) during the work like gloves, safety belt, Safety shoes, Helmet, earthing rods, etc, duly approved by GETCO.	All workers / labour of contractor & supervisors must use personal protective equipment (PPE) during the work like , gloves, safety belt, Safety shoes, Helmet, earthing rods, Live line detector etc, duly . approved by GETCO.
The local earthing must be done at the place of work before execution of any work.	The local earthing must be done at the place of work before execution of any work.
11 kV breaker in panel must be switched off and racked out only after ensuring no voltage in breaker and without door opening.	Circuit breaker opening is not an isolation and isolator on either side must be opened. No work during rains and cloudy weather condition.
	Transmission line activities. 1) Used of Voltage detector to ensure outage. 2) Earthing at three point, local, left & right side of bus bar / string bus. 3) Match line colour code with colour of wrist band.
	Local earthing of electrical equipments like filter M/c, welding machine, testing kits etc. is must. Crane shall only be used for material handling and erection. Working platform shall only be used for work in switchyard.

SECTION :E
APPENDICES

(E) APPENDICES

Gujarat Energy Transmission Corporation Ltd.

APPENDIX –I

TENDERER'S EXPERIENCE

A List of Similar jobs executed by the Contractor &Name with address of a Person whom reference can be made, by the Corporation, if required necessary.
[Tenderers shall submit the information in the Format detailed here under]

Sr. No	Description of Work	Value Of Work Executed Rs.	Construction Period as per Contract	Actual Construction Period for the Completion of the work	Date Of Completion	Client	Persons to whom Reference may be made	Principal Features
1	2	3	4	5	6	7	8	9

Contractor's Representative legible signature: _____
Name of the person: _____
Seal of the company
Date & place:

Gujarat Energy Transmission Corporation Ltd.

APPENDIX – II
WORKS TENDERED / IN HAND

Details of other Works, tendered for & in hand , as on the date of the Submission of this tender [Tenderers shall submit the information in the Format detailed here under]

Sr. No	Name of work with location and address	Work in hand			Work Tender for			Remarks
		Tender Cost	Cost of Remaining work	Anticipated Date of Completion	Estimated Cost	Date when decision Is Expected	Stipulated Date or period Of Completion	
1	2	3	4	5	6	7	8	9

Contractor's Representative legible signature: _____
Name of the person: _____
Seal of the company Date & place: _____

Gujarat Energy Transmission Corporation Ltd.

GETCO
APPENDIX-III
TENDERER'S DETAILS OF PERSONNEL

The List of Technical Personnel intended to be placed at the Work by the Contractor.
[Tenderers shall submit in the Format detailed here under]

Sr. No.	**Description &Details of position**	**Name**	**Qualification**	**Professional Experience & details of works carried out**	**Remarks**
1	2	3	4	5	6

Contractor's Representative legible signature: _____
Name of the person: _____
Seal of the company
Date & place: _____

Gujarat Energy Transmission Corporation Ltd.

APPENDIX-IV

TENDERER'S DETAILS OF MACHINERY

The List of Technical Personnel intended to be placed at the Work by the Contractor. [Tenderer shall submit in the Format detailed here under.

Sr. No.	Description & Details machinery	Capacity	Numbers	Make	Remarks
(a)	(b)	(c)	(d)	(e)	(f)

Contractor's Representative legible signature: _____

Name of the person: _____

Seal of the company

Date & place: _____

Gujarat Energy Transmission Corporation Ltd.

APPENDIX-V

PERFORMA, SHOWING THE DETAILS OF SITE VISIT DONE BY AGENCY BEFORE QUOTING THE TENDER.

[Tenderers shall submit in the Format detailed here under]

Sr. No.	Name of firm	Name of Authorized representative of firm who has visited the site.	Qualification	Designation / post holding in company.	Remarks.
(a)	(b)	(c)	(d)	(e)	(f)

Contractor's Representative legible signature: _____

Name of the person: _____

Seal of the company

Date & place: _____

Gujarat Energy Transmission Corporation Ltd.

APPENDIX – VI
Qualification Requirement.

Contractor must fill up below details & should place at the top of the Technical Bid.

Sr No:	List of Documents	
1	Registration	Class – with valid up to
2	P.F. No.	GJ/
3	Partnership deed/Proprietor (Notarized copy)	
4	Power of Attorney (Notarized copy)	
5	Bl. Sheet / P&L A/C, Statement of last three years.	
6	Latest Solvency certificate.	Rs. Lacs issued by Bank, branch dtd.
7	GST Registration No.	
8	PAN NO	
9	Experience certificate – Work order with form 3A of last 3 years as per Qualifying Requirements	

Signature of Tenderer Company's Round Seal
Date :
Place

Gujarat Energy Transmission Corporation Ltd.

APPENDIX – VII
Qualification Requirement.

Contractor must fill up below details

1.	PRICES: [FIRM ONLY] (Please Specify YES / NO.)	
2.	TERMS AGREED (Please Specify YES / NO.)	
3.	SECURITY TERMS AGREED: (Please Specify YES / NO.)	
4.	TERMS AGREED: (Please Specify YES / NO.)	
5.	VALIDITY Of the offer for 180 DAYS From the date of opening of the Technical Bid: AGREED: (Please Specify YES / NO.)	
6.	PAYMENT TERMS AGREED: (Please Specify YES / NO.)	
7.	MOBILE NOS., TELEPHONE NOS. & FAX NO:	
8.	Authorized person of the firm :	
9.	Name of the proprietor, partners, directors [as the case may be], along with address, telephone, fax no. etc.	

Signature of Tenderer Company's Round Seal
Date :
Place:

Price Bid - Tender No. JTC/26-27/n-180								
SCHEDULE-B								
Name of Work : Erection of Structures, Equipments, Earthing, Control Wiring, Yard Lighting, Control-Room & Staff Quarter Electrification etc. for 01 No. of 66kV feeder bay at 66kV Batakwada S/S & Re-shuffling of 66kV & 33kV yard equipments, line bays, shifting of 66/33kV Transformer with dismantling of equipments, dismantling of 66kV line Dog/ Panther conductor with DP, stringing of ACSR Panther / Dog conductor etc. to accomodate 66kV Punsari line feeder bay at 132kV Dahod S/s under Jambuva Construction Division of Jambvua TR Circle.								
Sr. No.	**SOR 25-26**	**Description**	**Unit**	**Batakwada SS Qty. (A)**	**132kV Dahod SS Qty. (B)**	**Total Qty. (A+B)**	**Rate**	**Amount**
		MAIN ERECTION (SCHEDULE B-1)						
1	D-1-C	Erection of equipments of any type / make with required all spares & accessories as per supplier's manual and FQP, including individual & interpole wiring of for all mentioned voltage class switchyard (as per respective technical specifications & relavant special conditions) suitable for all type of bus configurations. Scope includes the dragging / loading / unloading of same from site store to erection site. **c) 66/22 kV Breakers without crane permitted.**	Set of 3 pole	1	3	4	5535	22140.00
2	D-2-d	Erection of CT/PT/CVT on Erected structure including complete dragging/ loading/unloading of same with crane only from site store to erection site and fixing of required clamps, connectors & accessories as per instruction of Engineer-in-charge **d) 66 kV CT / PT / CVT (without crane permitted)**	Per Phase	3	18	21	623	13083.00
3	D-3-d	Erection of surge arrester with counter on Erected structure including complete dragging/loading/unloading of same with crane only from site store to erection site and fixing of required clamps, connectors as per instruction of Engineer-in-charge **d) 66 kV LA (without crane permitted)**	Per Phase	3	15	18	415	7470.00
4	D-6	Erection of Double break isolator (All make) **with earth blade** on its erected structure consisting of 3 base channels with solid core porcelain insulator including interconnected piping with operating mechanism and accessories with final adjustment for simultaneous mechanical & electrical operating for opening & closing. The rates are	Set of 3 phase	1	3	4	3459	13836.00

		inclusive of dragging / loading /unloading of the same from site store to erection site as per instructions of Engineer-in-charge. **a) 66 kV Isolator (without crane)**						
5	D-7	Same as item No. 4 but without earth blade complete. **a) 66 kV Isolator (without crane)**	Set of 3 phase	1	7	8	2491	19928.00
6	D-10	Erection of polycone/Solidcore/Bus Post insualtor on its erected structure complete.fixing of accessories and shifting of same includong loading / Unloading from its site store to erection site. **d) 66 kV**	Per No	2	10	12	277	3324.00
7	D-15	Erection of S/S & Equipment structure including punching of nut bolts. Rates are inclusive of shifting of same up to erection site from its s/s Store. **a) 66 kV**	MT	5	20	25	2491	62275.00
8	D-16	Dismantalling of 66kV S/S & Equipment structure. The dismentalled S/S & Equipment structures are to be stacked in proper manner in the same premises as per the instruction of EIC	MT	0	1	1	1245	1245.00
9	D-17	Erection of 66/22kV or 66/11kV Class power transformer with complete mounting of all the accessories i.e bushings, radiators, conservator tank etc. as per OEM approved drawing including laying of cable between all accessories mounted on the transformer / marshalling KIOSK. Filling and filtration of oil with filter machine as per direction of Engineer-in-charge, manufacturer engineer or as per instruction manual of the equipment. All necessary toold tackles, required filter machine, Hydralic Jack, Vacuum pump etc. required for transformer erection shall be provided by the contractor. Filteration of oil will be in scope of the contractor for the transformer. **(iv) 5 MVA**	No.	0	1	1	12452	12452.00
10	D-21	Stringing of Bus complete in all respect with fixing of all fittings, insulators sag compensating plate/spring and all accessories as per the instruction of Engineer –In-Charge. **b) Single Moose/ AL-59 /Zebra conductor**	Rmt./ Phase	0	120	120	110	13200.00
11	D-23	Preparing and fixing of required length of jumpers in the switchyard on respective Bus & equipments, tensioning & dressing of jumpers	Rmt/ Per Phase	100	300	400	16	6400.00

		complete as per instructions of Engineer –in –charge. **c) Single Moose/AL-59/Zebra/ Panther conductor**						
12	D-24	Installation of earthing strips / MS round bar in any kind of soil except Rocky(HR/SR) Soil as per earthing philosophy of GETCO Earthing Grid:1) Including digging of 600mm depth and 450mm wide trench.2) Cutting, bending, laying and fixing of Earthing grid conductor.3) 75x10mm / 50x6mm GI strips: Fixing of two bolt at each straight joints and lap welding, removing oxide films formed during welding, applying two coats of red oxide and black powder after welding and applying zinc rich paint on welded joints.4) 25/32/36/40MM dia MS Rod: Lap welding at each straight & cross joints, removing oxide films formed during welding, applying two coats of red oxide and black powder after welding and applying zinc rich paint on welded joints.5) Including supply of red oxide paint, black powder, HDGI Nuts & bolts as per specification.6) Back filling of the trench with yellow/ Normal soil.Structure & Equipment earthing: 1) Including digging of 600mm depth and 450mm wide trench.2) Cutting, bending as per required shape, laying and fixing of risers from Grid to structures and Equipments.3) Lap welding, removing oxide films formed during welding, applying two coats of red oxide and black powder after welding and applying zinc rich paint on welded joints including supply of HDGI Nuts & bolts for all connections including suporting to structures etc as per specification.4) Back filling of the trench with yellow/ Normal soil. **b) 50 x 6 mm GI strip / MS round bay up to and including 25mm**	Mtr.	400	800	1200	43	51600.00

13	D-25	Installation of earthing strips / MS round bar in Rocky(HR/SR) Soil as per earthing philosophy of GETCO Earthing Grid: 1) Including digging of 600mm depth and 450mm wide trench. 2) Cutting, bending, laying and fixing of Earthing grid conductor. 3) 75x10mm / 50x6mm GI strips: Fixing of two bolt at each straight joints and lap welding, removing oxide films formed during welding, applying two coats of red oxide and black powder after welding and applying zinc rich paint on welded joints. 4) 25/32/36/40MM dia MS Rod: Lap welding at each straight & cross joints, removing oxide films formed during welding, applying two coats of red oxide and black powder after welding and applying zinc rich paint on welded joints. 5) Including supply of red oxide paint, black powder, HDGI Nuts & bolts as per specification. 6) Back filling of the trench with yellow/ Normal soil. Structure & Equipment earthing: 1) Including digging of 600mm depth and 450mm wide trench. 2) Cutting, bending as per required shape, laying and fixing of risers from Grid to structures and Equipments. 3) Lap welding, removing oxide films formed during welding, applying two coats of red oxide and black powder after welding and applying zinc rich paint on welded joints including supply of HDGI Nuts & bolts for all connections including suporting to structures etc as per specification. 4) Back filling of the trench with yellow/ Normal soil. **b) 50 x 6 mm GI strip / MS round bar up to and including 25mm**	Mtr.	100	400	500	164	82000.00
14	D-27 B	(b) -Do- as above for Rocky Soil as per drawing No. GETCO/E/STD/P-021(2 OF 2) R3 dated 29-05-2020	No	3		3	14844	44532.00
15	D-31	Fabrication for erection of any Equipment/ Structure/ panel or anywhere in s/s & F.B. at other endas per Inst. Of E.I.C.	L.S. (Max.)	0	1	1	4992	4992.00

16	D-41	Loading, Transporting & Unloading of all material for 66 kV substation like Structure, indoor & out door Equipments, DP Structure, earthing materials, Battery set, fire wedge, GI/MS scrap, all other required materials, etc. in all respect for Substation & oposite end feeder bay from Store (Any store either const. div. or R & M store within respective Zone) to Sub Station Site. This job also includes crediting balance materials at respective construction division store at No. extra cost.	Job	0	1	1	51720	51720.00
17	D-43	Providing and fixing of various type of sign Board, sticker, Big Sign Board, earthing pit Board & Single line diagram etc. as per instruction of IEC. Sticker of red, white, black Letters are to be utilised for various sign board. Earthing Pit Board Size:- 6" x 6" -30 Nos. Safety Slogan Board, Hard Sheet board size 2' x 2'and 4mm thick (Gujarati Language)- 2 Nos. Safety Slogan Board, Hard Sheet board size 3' x 2'and 4mm thick (Gujarati Language) with red and Yellow colour.-03 Nos. Single line diagram size 5' x 3' Digital with Alluminium frame with fitting and as per approved diagram given by IEC.-01 No. Big sign board size 5' x 4' and 2mm thickness indicating sub station name digital with S.S. rod with hole & as per approved symbol with fitting charge.-01 No. Switch yard sign Board 12" X 6" with 2 mm Thickness black & white Gujarati language.-25 Nos. Safety Slogen Board size 2" x 6" in side control room.-05 Nos. Various type of control room equipment sticker size-24 cms x 5cms.--18 Nos. Prohibition Board: size - 5' x 3' with 2mm thick MS Sheet on MS square pipe/ angle frame with hole and fitting charge.- 01 No. Maintenance Chart Board: size - 5' x 3' Digital with Alluminium frame with fitting and as per detail given by IEC. -01 No.	Job	0	1	1	24957	24957.00

		Zero Accident Board: Size - 2' x 3' Digital with Alluminium frame with fitting and as per detail given by IEC. - 01 No. Safety picture board size :- 3' x 3' (Laminated for O/D use)-03 Nos. Name plate board of transformer size :- 2' x 1'- 04 Nos. Cable marker size:- 6" x 6", Radium, fixed on 750mm long M.S.Rod for fixing arrengement.- 30 Nos.						
18	D-44	Providing and fixing of Radium sticker for outdoor and Indoor Equipment Identification like LA, Isolator, Circuit Breaker, Transformer, CT, PT, MK Box, C&R Panels, 11kV Panel borad etc	Sq Inch	200	1000	1200	2	2400.00
19	D-45	Providing and Fixing of fire stand made from 75mm dia GI pipe A class ISI mark heavy duty having 5ft width and 4ft height as per inst of Engr. In charge 1) Work includes cutting, drilling, welding of pipe as required. Fabrication and supply of 16mm dia meter hook size required for hanging the buckets.2) 4 Nos.of fire buckets are to be provided by the contractor.3) Fire stand should grouted with excavation of pit size 300mm x 300mm-2 Nos. of 600mm depth with 1:3:6 mix muffing 300mm in height including leveling of stand. 4) The fire stand is to be painted with post box red colour of approval quality as per instruction of EIC. 5) All required approved material including cement, sand, metal etc are to be provided by contractor.	Job	0	1	1	4992	4992.00
20	H -1	Erection of control panel relay panel or C/R panel or RTC panel including grouting of panel, jointing with adjoining panels including required fabrication for entry of control cables and complete vermin proofing. Job includes supply of required bolts, nuts etc. and shifting of panel from S/S site store to work site. **(d) 66KV**	Per No.	1	5	6	691	4146.00
							SUB TOTAL (SCHEDULE B-1)	**4,46,692.00**
		YARD LIGHTING (SCHEDULE B-2)						

21	D-53	Providing & fixing of all weather proof, cold rolled sheet steel AC Panel - 2 for Yard-Light AC supply having (1) 63A 4P MCB : 01 No. (2) MCX-12A contactor : 01 No. (3) Digital Timer : 01 No. (4) 20A TPN MCB : 06 Nos (5) Indication lamp " 03 Nos (6) Push Butten : 02 Nos (7) Terminal Connector as per site requirement and other detail as per drawing enclosed including grouting & Necessary fabrication of GI Angle or fixing on GI Structure, including earthing with main grid as per instruction of EIC.	No	0	1	1	24732	24732.00
22	D-54	Providing & fixing of all weather proof, cold rolled steel sheet floor mounted fixed type single door grey color **Main AC Dist box** having size 900x600x250 MM with door closing arrangement and necessary rubber gasket. Contractor has to supply following materials with box along with necessary mounting and wiring. (1) L&T/Anchor/Havells Make 100A,4P MCCB - 1 No. (2) L&T/Anchor/Havells Make 63A,4P MCB - 2 Nos. (3) 100 A Copper Bus-Bar Link - length 6 inch size & 25 x 3 MM - 4 Nos. (4) Tinned Earth Bus 25 x 3 MM Length - 32 Inch - 1No. (5) 25 & 16 sqmm Cu. flexible cable - 4 & 8 Meter respectively. (6) Required Nos. of Cu. Lugs , etc. as per instruction of EIC.	No	0	1	1	20650	20650.00
23	D-55	Supplying & laying of following size Control/ L.T. power cable in readymade cable trench or by excavating in any type of soil cable trench size 300mm wide 600mm depth and refilling the same as per the direction of EIC. Item Includes the cable laying upto termination box with clamps & proper clamping of cable on gantries by GI pipe & glands as per direction. Item includes providing & supply of bircks, sand as per requirement. The L.T power cable to be provided by contractor as under :As per ISI 1554 (Part-I). **3.5 Core x 50 mm2 Alluminium cable -Armoured, from distribution X'mer to Main Distribution Board near dist. X'mer**	Mtr	0	150	150	292	43800.00

		and from MDB to indoor LT panel board (LTPB) - both 2 runs.						
24	D-56	Supplying & laying of following size Control/L.T power cable of FINOLEX or equivalent ISI make in readymade cable trench or by excavating in any type of soil cable trench size 300mm wide and 600mm depth and refilling the same as per the direction of EIC. Item Includes the cable laying up to termination box with clamps & proper clamping of cable on gantries by GI pipe & glands as per direction. Item includes providing & fixing of bricks, sand as per requirement to protect cables . The L.T power cable to be provided by contractor as under :As per ISI 1554 (Part-I). **4 Core x 25 mm2 Aluminum cable -Armored, from LT panel board (LTPB) to Yard Light AC MK (AC Panel-2)., AC Panel 1 in C.R. and yard AC Box**	Mtr	0	150	150	175	26250.00
25	D-57	**- - do - - 4C x 4mm2 Copper cable - Armoured, from yard-light AC MK (AC panel-2) to all yard-light fixture junction boxes on LM & street light light pole & Station transformer to Colony & LT panel to watchman cabi**n. Note: Cable Laying work either in ready made cable Trench or by excvating in any type of soil if required. **(Only laying. Cable will be supplied by GETCO)**	Mtr	0	150	150	19	2850.00
26	D-64	Providing and fixing of **1 x 250 Watt LED luminaries Energy Efficient flood light with complete allied accessories having features like Power coated, aluminium housing, heat resistant toughened glass provided with gasket (Philips/CGL/ Bajaj/ GE/ Osram/ Wipro or equivalent make). Luminaries to be fixed on swaged pole / GI structure** by providing required fabrications & **4 core 2.5 sqmm double insulated flexible stranded wire** should be used from fittings to approved SMC type junction box as per inst. of E.I.C.	No	0	10	10	11576	115760.00
27	D-66	Providing & Fixing of **LED Street Light Fixtures (1X120W) (CGL Cat No. LSTO120/CDL 120W or equivalent under Cat-II or above as per R&B SOR), 4-core 2.5mm2 double insulated flexible** strended wire should be used from control gear	No	0	10	10	9593	95930.00

		fittings to approved SMC type junction box as per inst. of E.I.C.						
							SUB TOTAL (Schedule B-2)	**3,29,972.00**
		CONTROL WIRING (SCHEDULE B-3)						
28	H-7	Laying of 1.1 KV PVC armoured copper / alluminium cable **inside hume pipe/cable trench** including binding/clamping of cable with G.I. wire as per requirement including supply and fixing of identification tags on both ends and at distance every 100 mtrs. for following size.**(a) 2C x 2.5mm^2, 2C x 3.5 mm^2, 4C x 2.5mm^2, 7C x 2.5mm^2, 4C x 4mm^2 copper control cable or any equivalent size of all L.T. cable.**	Per Mtr.	500	3000	3500	6	21000.00
29		Laying of 1.1 KV PVC armoured copper / alluminium cable **inside hume pipe/cable trench** including binding/clamping of cable with G.I. wire as per requirement including supply and fixing of identification tags on both ends and at distance every 100 mtrs. for following size.**(b) 12C x 2.5mm^2, 12C x 4mm^2, 12C x 6mm^2, 19C x 2.5mm^2, 27C x 2.5mm^2 copper control cable, 3.5C or 4C x 10mm^2 to 70mm^2 alluminium around or unaround L.T. power cable.**	Per Mtr.	500	2000	2500	10	25000.00
30	H-8	Laying of 1.1 KV PVC armoured copper / alluminium **cable in ground by digging trench of suitable width and 450mm depth** in any type of soil including supply and fixing of identification tag on both end and at distance every 100 mtrs for following size.**(a) 2C x 2.5mm2, 2C x 3.5 mm2, 4C x 2.5mm2, 7C x 2.5mm2, 4C x 4mm2 copper control cable or any equivalent size of all L.T. cable.**	Per Mtr.	500	1500	2000	21	42000.00
31		Laying of 1.1 KV PVC armoured copper / alluminium cable in ground by digging trench of suitable width and 450mm depth in any type of soil including supply and fixing of identification tag on both end and at distance every 100 mtrs for following size.**(b) 12C x 2.5mm^2, 12C x 4mm^2, 12C x 6mm^2, 19C x 2.5mm^2, 27C x 2.5mm^2 copper control cable, 3.5C or 4C x 10mm^2 to 70mm^2 alluminium around or unaround L.T. power cable.**	Per Mtr.	200	1000	1200	26	31200.00

32	H-9	Preparing of Complete **schedule of wiring** for line/ transformer bay in triplicate. Necessary drawing will be provided by the GETCO. Schedule should be approved by EE or DE in charge. **a) 66 KV Bay**	Bay	1	5	6	1996	11976.00
	H-10	Providing and fixing 'B' class G.I. pipes of following size for cable protection including fixing with the structures.(Non SOR) including required 'L' & 'T' band,coupling for CT,PT, Transformer, M.K.Box cabling on structure including required fabrication.(weight of pipe-25kg/meter)						0.00
33		(a) 40 MM Dia. (weight of pipe - 3.2 kg/meter)	Mtr	20	250	270	255	68850.00
34		(b) 50 MM Dia. (weight of pipe - 5.1 kg/meter)	Mtr	20	140	160	284	45440.00
	H-11	Termination of Control Cable at Panel / M.K./ Equipments including supply of required size of double compression type metal glands, lugs, ferrules, PVC Binding Tape, Buttons, cable ties, etc. for following size of cables.				0		0.00
35		a) Up to 7 Core Control Cable	End	20	320	340	199	67660.00
36		**b)** As above but for **Above 7 Core Control Cable.**	End	20	170	190	349	66310.00
37	H-12	Providing & installation and commissioning of **remote control switch board for ON/OFF control of all 11kv panel at operator table** with supply of good quality metal sheet box (18 SWG) size 450 x 450 x 125 mm with door, 20 nos standard ISI make and rating industrial push botton, indication lamp(LED), terminal connectors fixed on c-type channel, etc. with installing accept/reset arrangement with required ISI marked copper flexible wire size 2.5 Sq. mm including complete wiring in PVC pipe and fixing on wall as per inst. of EIC.only 19/27 core x 2.5 sqmm cable supply by GETCO.	Job	0	0	0	6489	0.00
38	H-13	Providing and fixing of all weather proof, cold rolled sheet steel junction box for CVT & PT, CT terminations with 30 Nos. of disconnecting type, 'Elmex' make CATDM 4 or equivalent type connectors and required no of fuses, links etc.as per instruction of Engineer-in-charge, as per approved schedule of cable.	No	1	5	6	21549	129294.00

39	C-12	Dismantling of 'A' & 'B' type 'H' frame structure by breaking of muffing upto 450 mm depth from ground level and cutting the girders from 450 mm depth from ground level by gas cutting & crediting the material to GETCO Store or Substation including transportation as instructed by Engineer in-charge.	Loc.	0	4	4	7656	30624.00
40	C-14	Dismantling of all three conductors and line materials such as insulators, hardwares etc. and crediting to the GETCO's Store or Substation including transporation as per instruction of Engineer in-charge with submission of pole wise inventory for preparing C.R.note.	Route KM	0	0.95	0.95	16136	15329.20
		SUB TOTAL (Schedule B-3)						**5,54,683.20**
A		**SUB TOTAL : MAIN ERECTION (SCHEDULE B-1)**						**4,46,692.00**
B		**SUB TOTAL : YARD LIGHTING (SCHEDULE B-2)**						**3,29,972.00**
C		**SUB TOTAL : CONTROL WIRING (SCHEDULE B-3)**						**5,54,683.20**
D		**Total (D=A+B+C) in Rs**						**13,31,347.20**
E		**GST @18 %**						**2,39,642.50**
F		**Grand Total (F=D+E) in RS.**						**15,70,989.70**

Note:

1) **Government of India has rolled out GST from 1st July 2017, same shall be charged at actual as per GOI notification, at the time of billing.**
2) **Contractor shall get registered under Welfare Cess Act before commencement of work in required head as per nature of work.**
3) **You have to take Welfare registration of this site accordingly you must have to make payment for the same.**
4) **Welfare Cess Will be reimbursed on production of documentary evidence of payment.**

Superintending Engineer (TR)
GETCO, Jambuva

NOTES For SS Erection Work:-	
1	All erection work is to be carried out strictly as per the manual of OEM (Original equipment manufacturer), FQP and instruction of E.I.C.
2	All equipment erection charges are inclusive of shifting dragging handling of the respective equipment up to S/S erection site from its S/S site store but exclusive of GST / service tax.
3	Contractor has to ensure safe shifting dragging erection of all equipments to comply with labor laws I.E. rules etc.
4	All erection charges are inclusive of fixing of clamp connectors, all necessary accessories to the respective equipment.
5	Transformer erection charges cover shifting, dragging, handling etc. for its bushings, radiators, conservator tank and allied accessories and oil filling with filtration.
6	**STORAGE CUM ERECTION INSURANCE** :- Bidder shall note that storage cum erection insurance is to be taken at his own cost and amount of material for erection to complete the scope of sub-station work is to be considered **Rs. 153.00** lacs.
7	Bidder shall have to take the comprehensive Marine cum Erection (MCE) insurance policy against any loss, damage, theft, pilferage, fire etc. for the complete period of storage, erection and commissioning up to the time of taking over the line or S/S by GETCO.

8	All the required tools and tackles like compression jointing machine for conductor, earth wire, cutting machine, welding set, drill machine, etc are to be arranged by the contractor at his cost.
9	Contractor should complete transportation within one job as per above schedule. No extra payment will be given in any case other than this job.
10	For power transformer oil filtration the filter machine shall be arranged by Contractor at his own cost.
11	Earthing pit activities should be done in such a way in presence of GETCO supervisor that final earthing pit resistance should be record as per standard. All expenditure like sufficient watering to maintain earth resistance up to the mark should be born by contractor.
12	All the brought out items get to be approved from DE/EE invariably.
13	The execution of bore are to be carried out as per soil strata in consultation with E.E. .
14	The Classification of hard rock strata should be got approved from E.E. invariably.
15	Contractor has to make arrangement for site engineer and skill labors for maintaining all activities and records as per FQP. also assisting to staff/Engineer in charge to take IR values, Earth pits values, name plate detail, oil samples etc all activities relative to commissioning of project.
16	Contractor has to make arrangement for skill labors for assisting to commissioning engineer, PLCC staff/engineer, SMS/testing staff/Engineer as an when require as per instruction of Engineer in charge.
17	After completion of project successful bidder has to submit all the records like battery charging report, control wiring schedule, earth pit lay out, earthing grid layout, power cable lay out, yard light pole and Ckt lay out etc in hard and soft copy for handing over the project.
18	For Colony & Yard lighting and Control Room Industrial Electrical wiring works the rates quoted shall be inclusive of providing and fixing / Installation ,testing and commissioning of complete Control Room lightings, Ceiling Fans, Exhaust Fans etc..
19	All items / materials shall be installed / erected in accordance with specified manuals /technical guide lines of the manufacturer and as per instruction of EIC.
20	Cable laying, Circuit distribution and Fixture fixing shall be carried out as per GETCO Standard Drg. No. GETCO/E/06S-STD/S-013 (R2), Dtd.01.02.17 Sheet 2 of 3 and as per Instruction of Engineer In charge.
21	Control Room Wiring, Fixing of fixture, Ceiling fan & Exhaust fan etc shall be carried out as per Standard Drawing No. GETCO/E/6S-STD/S-015 (R1), Dtd.01.02.17 Sheet No 2 of 2. and GETCO/E/6SSTD/S-015 (R1) Sheet No 1 of 2 and as per instruction of Engineer In charge.
22	For entire control Room, Office & store etc. building wiring is to be done by Providing and fixing of ISI Marked MS conduit pipes 20mm dia. & 1.6 mm wall thickness size (Minimum Size) and PVC insulated stranded copper wire of FENOLEX/ANCHOR make as per relevant IS.
23	Total tilting angle for the flood light luminaries provided on pole is considered as maximum of 45 degrees, looking to the tilting angle 20 degree available with luminaries itself & supporting pipe should be fabricated & welded accordingly. Also arm for fixing of Flood light luminaries shall be fix as per required angle & direction as per instruction of EIC.
24	EE/DE will decide the make of luminaries, fan, cable, MCB, Switches etc. and same is to be inspected at authorize depot.
25	Yard lighting G.I.Tubular pole should be inspected at the cost of contractor.
26	Successful bidder has to appoint site engineer to maintain site register and FQP as per ISO
27	All work should be done according to ISO & FQP and all require documents including filled FQP, testing results, etc. should be submitted while handing over the s/s.
28	The above rates are with supply of cement by the contractor.

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

Superintending Engineer (TR)
GETCO, C.O., Jambuva