GETCO

TRANSMISSION CIRCLE,

NAVSARI

TENDER NO: - TCNS-ETP-52-2026

Subject: - Erection of 66 kV D/C Jamanpada - Rajpuri Talat line on D/C and M/C tower with ACSR Panther conductor.

Estimated Cost: - Rs. 26660093.00

EMD Cost: - Rs.266601.00

Price of Tender: - Rs. 8850.00 (Including 18% GST)

Time Limit: - 03 Months

(TECHNICAL BID)

GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
Corporate Identity no: U40100GJ1999SGC036018 (An ISO 9001-2008 Certified Company)
TRANSMISSION CIRCLE OFFICE, NAVSARI
Superintending Engineer (TR), 1st Floor, Transmission Circle Office, 220kV Sub-Station Campus, N.H. 48, Kabilpore, Navsari - 396427
Telephone no. (02637) 236232 / 236274 | Fax no. (02637) 236104 | Email : setrnavsari.getco@gebmail.com

E - TENDER NOTICE

Superintending Engineer invites "On line Tenders" (e-tendering) for the ***"Erection of 66 kV D/C Jamanpada - Rajpuri Talat line on D/C and M/C tower with ACSR Panther conductor."*** From registered Contractors in appropriate class with GETCO / Central / State Government / Railway/Semi. Govt. and who has executed civil works successfully as mentioned in Qualification requirement criteria given in the tender document. Bidders should fulfill the all the qualification criteria. Otherwise their bids will not be considered & price bid will not be opened. All the bidders should have valid e-tender vender registration.

Tender Papers & Specifications may be downloaded from Web site as https://getcotender.nprocure.com (**For view, download and on-line submission)** and GUVNL / GETCO web sites www.gseb.com & www.getcogujarat.com (**For view & download only)**.

All tender documents are to be upload (Notarized / self-attested copies of original – as specified in tender document) including scanned copy of duly attested Tender fee receipt, EMD receipt, Integrity Pact, attested tender documents with technical specification & other mentioned documents in qualification requirement through online only (mandatory) on (n) procure portal.

NO PHYSICAL DOCUMENTS TO BE SUBMITTED BY BIDDER

1	Tender Notice No.:	**TCNS-ETP-52-2026**
2	Name of work	**Erection of 66 kV D/C Dharampur - Barumal line on D/C tower with AL-59 (Weight equivalent to ACSR Panther) Conductor (AP-36 to AP-58).**
3	Tender Fee (non-refundable)	**₹ 8850.00 (Including GST @ 18%)** **Payment of Tender fee will be accepted through RTGS / NEFT mode only)**
4	Estimated Tender cost Including GST	**26660093.00**
5	Earnest Money Deposit (EMD) amount	**266601.00** **Payment of EMD will be accepted through RTGS / NEFT mode only)**
6	Time Limit	03 Months (Calendar)
7	Required Class of Contractor	As per QR
8	Type of Tender (Works)	Percentage Basis on FIRM PRICE
9	On line (E-tendering) tender/ offer submission last date up to 16.00 hours only (This is mandatory)	**As per Tender Notice Schedule**
10	Date of opening of Preliminary & Technical stage (on-line Opening)	**As per Tender Notice Schedule**
11	Tentative Date of on – line opening of Price bid, (if possible),	**Shall be intimated separately**

Seal & Signature of Bidder

IMPORTANT:

1. **All the online Annexures I.e. Annexure - 1 to 8 and price bid, other tender documents (refer Table-A) must be submitted/attached through online form only.**
2. Bidder has to upload scanned copies of original (Notarized / self-attested copies of original – as specified in tender document) documents with bid and **no physical documents to be submitted by bidder.**
3. All such documents should be strictly submitted through online uploading. Otherwise the offer will not be considered and no any further communication in the matter will be entertained on or before due date of submission. **However, of anywhere in tender documents submission of other than this document or physical submission mentioned to be overlooked.**
4. Tender fees & EMD amount should be paid by **Online-payment mode only. Payment of Tender Fees & EMD by RTGS/NEFT/on line shall be encouraged. After the payment through RTGS/NEFT bidder has to mail following details:**

Sr. No	Required Details
1	Name & Address of the bidder
2	Bidder GST No
3	Tender No with due date
4	Mode of Transfer
5	Ref. ID with Bank Details
6	Paid Amount
7	Payment against (**Tender Fee / EMD**)

To:

a. **setrnavsari.getco@gebmail.com**
b. **detech2conavsari.getco@gebmail.com**
c. **aotr.navsari@gebmail.com**
d. **cashnavsari.getco@gebmail.com**

Bidder has to provide all above details on the same date of payment so that receipt can be generated.

❖ **GETCO Beneficiary Bank detail is as under:**

1	Name of Account Holder	Gujarat Energy Transmission Corporation Ltd.
2	Account No.	08200200000194
3	Name of Bank	Bank of Baroda
4	Branch Code	012
5	Address of Bank	Bank of Baroda, Khatrivad, Navsari
6	IFSC Code	BARB0KHATRI
7	PAN No	AABCG4029R
8	TAN No	SRTG01134A
9	GST No	24AABCG4029R2ZC

The transection slip of payment made by RTGS/NEFT is to be uploaded in N-procure with tender documents

5. **Submission and Evaluation of Documents / Clarification**:
   - 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.
   - 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.
   - 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.

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

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

7. All the relevant scanned documents as per requirement of the tender are to be upload through online only on n-procure portal including Tender fee, EMD and Integrity Pact.

8. 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 “Tender will be evaluated on basis of Data / Details / Documents submitted by online form only.”

9. It is mandatory for all the bidders to upload their tender documents by on line only (E-tendering) in scheduled time. **No documents shall be considered physically which are mentioned for on-line submission only.**

10. 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 the bid.

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. 5.

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.

11. Bidders are requested to remain in touch with the web-site for any amendment / corrigendum or extension of due date etc

12. The Earnest Money Deposit and tender fee will be accepted through online payment mode NEFT/RTGS only and Tender Fee payment through NEFT/RTGS with different purchaser or agency shall not be accepted. Tender without EMD and tender fee shall be rejected. Two separate transection for Tender fee and EMD should be submitted.

13. 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 clarifications that may be required pertaining to this enquiry should be referred to: **The Superintending Engineer, Gujarat Energy Transmission Corporation Limited, Transmission Circle Office, Kabilpore, Navsari - 396427**

Yours faithfully,

Superintending Engineer

Navsari

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

Annexure-I		
Details of the Firm		
Name of the Firm		
A		
1	**Address of registered office**	
2	**Contact personnel**	
3	**Designation**	
4	**Residential Address**	
5	**Phone No.**	
	Office	
	Residential	
6	**Fax No.**	
7	**Telegraphic code**	
8	**E-mail address**	
B		
1	**Address of WORK**	
2	**Contact personnel**	
3	**Designation**	
4	**Residential Address**	
5	**Phone No.**	
	Office	
	Residential	
6	**Fax No.**	
7	**Telegraphic code**	
8	**E-mail address**	

Seal & Signature of Bidder

GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
NAVSARI 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 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 its 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 out dealings.
▪ To give maximum possible assistance to all the vendors / supplier / 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:

SECTION - I
GENERAL TERMS AND CONDITTION

1.1 **INVITATION OF TENDER**:

1.1.1 The Superintending Engineer (TR), Navsari for and on behalf of "GUJARAT ENERGY TRANSMISSION CORPORATION LTD", having its Corporate Office at Vidyut Bhavan, Race Course, Vadodara - 390 007, hereafter called the "GETCO" intends to invite Tender for **Erection of 66 kV D/C Jamanpada - Rajpuri Talat line on D/C and M/C tower with ACSR Panther conductor.** as detailed in this specification.

1.2 **QUALIFYING REQUIREMENT OF THE BIDDER**:

1 Registration: Bidder quoting for the bid shall be strictly a GETCO registered contractor of any class.

2 Technical Requirement

1. Length of transmission line on towers/H frame: The bidder should have erected transmission line including foundation, tower erection and stringing of conductor and earth wire of 66kV and/or above class lines on towers/H frame as main contractor or as a sub-contractor in single or multiple order for length **6.0 RKM** line within the last seven (7) years preceding the date of NIT. Attested Xerox copy of work orders executed and satisfactory completion certificate should be submitted.

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:

a. **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.
b. **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.
c. 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.
d. 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.
e. 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**.
f. Also if required, work placing authority may ask the supply documents from the bidder like work order, work completion certificate etc.

Further, Bidder has to submit under taking and planning of work along with availability of man power both skilled and unskilled (Separate gangs for foundation, Erection and stringing) to complete work in stipulated time as per GETCO requirement failing which tender is liable to reject without any notice.

2. Experience

i) **As a main contractor** - work order copy and experience certificate of similar nature work to be submitted to ascertain experience of line erection work of 66kV and/or above class in GETCO or other STU or CTU as mentioned in Cl.-2.1 of QR, failing in which bidder shall be evaluated accordingly by order placing authority as per DOP.

ii) As a sub-contractor – work order/PO copy of original contract and sub-contract, experience certificate from main contractor and statement of financial transactions for the same workorder/PO are to be submitted to ascertain experience of line erection work of 66kV and/or above class in GETCO or other STU or CTU as mentioned in Cl.-2.1 of QR only, failing in which bidder shall be evaluated accordingly by order placing authority as per DOP.

3. Financial Requirement: -

1. **Turn Over :-** Bidder's Minimum Average Annual Turnover (MAAT)^ for best three years out of last five financial years as annualized shall not be less than 50% of the **estimated** amount of this tender.

   Note:- For the purpose of arriving at MAAT, Turnover shall be taken as revenue from operation only (excluding GST and other income) as stated in Financial statement of the bidder.
2. **Liquid asset:** - Bidder's liquid assets as per the last financial year shall not be less than 20% of the estimated cost of the tender.

   Note:- Liquid Assets is defined as Current Assets less inventories.
3. **Net worth :**- Bidder's Net worth for last year should be positive.

   Note:- Net worth is defined as paid-up share capital+share application money pending allotment+reserves & surplus (excluding revaluation reserves, write back of depreciation/amalgamation reserves less accumulated losses and deferred expenditure/miscellaneous expenses to the extent not written off

   Reserves and Surplus to be considered for the purpose of net worth shall be all reserves created out of the profits and securities premium account only.

To establish satisfaction of financial criteria, the bidder shall submit

- Chartered Accountant's Certificate with valid UDIN Number falling which certificate shall not be considered for the purpose of evaluation.
- Audited Balance Sheet and Profit & loss Account with all schedules and Auditor's report for the preceding five years. Provisional balance sheet and Profit & Loss Account with all schedules are not acceptable for evaluation and will be rejected out rightly.
- If the last financial year's closing date was within 6 months prior to bid due date and audited Balance sheet and Profit & loss account of last financial year is not available, bidder has the option to submit the financial details of five previous years immediately prior to the last financial year. Otherwise, it is compulsory to submit the financial details of immediately preceding five financial years.
- In case bidder is holding company, the financial position criteria referred to in Financial Qualification criteria shall be that of holding company only (i.e. excluding its subsidiary/group companies). In case bidder is a subsidiary of a holding company, the financial position criteria referred to above shall be that of subsidiary company only (i.e. excluding its holding company).
- In case the date of constitution/incorporation of bidder is less than five years old, the MAAT in respect of the completed financial year after the date of constitution shall be taken into account, provided that the date of constitution/incorporation of the bidder shall not be less than one-year-old and audited financial statements of at least one completed financial year is available.

Undertaking

Subject: - Work Name: _____ Tender No.

In connection with above subject, I / We confirm that our firm is not declared in NCLT under Insolvency &Bankruptcy Code. Further, I / We also agree that, if any found NCLT under Insolvency & Bankruptcy Code, the offer shall be out rightly rejected without assigning any reason thereof.

_____

(Seal, Sign & Name of Authorized Signatory of Bidder)

4 **Solvency:** Latest bank solvency certificate from any Bank of a sum of minimum 20 % of the estimated cost shown in the tender.

5 **Provident Fund Code:** Separate provident fund code number towards firm registered with Regional P. F. Commissioner.

6 **Profit & Loss Account Statement:** The Bidder should submit certified Xerox audited copy of the Balance sheet with profit and loss account & IT returns of last three Financial Years.

7 **Nature of Firm:** Attested copy of **Partnership Deed**, **Power of Attorney**, if any, for signingthe bid documents in case of partnership firm & self**-affidavit for proprietorship firm**. All such documents shall have to be **NOTARISED.**

8 **I.T. PAN CARD:** The bidder should submit the attested zerox copy of PAN Card of their firm.

9 **GST registration:** The bidders should submit the certified copy of GST registration.

10 **Electrical contractor's license with latest validation.**

Signature of Contractor **Superintending Engineer GETCO, CO, Navsari**

1.3 **DEFINITION**:

1.3.1 The "GETCO" shall mean the Gujarat Energy Transmission Corporation Ltd, Vadodara and shall include their authorized representatives.

1.3.2 The "Contractor'' shall mean the bidder, whose tender has been accepted by the GETCO for award of the contract and shall include his authorized representatives.

1.3.3 The "Engineer-in-Charge" shall mean the authorized officer of the GETCO to act as Engineer-in-Charge to supervise the work for the purpose of the contract.

1.3.4 The "Specification" shall mean the tender forming a part of the contract along with proforma, schedules and drawings.

1.3.5 The "order' shall mean the official letter issued by the GETCO, informing the bidder that his tender has been accepted.

1.3.6 The "Contract" shall mean the agreement to be entered into by the GETCO with the contractor and shall include the commercial, technical and general conditions, schedules, drawings and any other conditions specifically agreed between the parties forming a part of the contract.

1.3.7 The "Contract Value" shall mean the total amount indicated in the contract agreement as per order placed by the GETCO and calculated from the provisional quantities indicated in the tender.

1.3.8 The "Warranty Period" shall mean the period during which the Contractor shall remain liable for repair/replacement of any defective work performed by the Contractor under the contract.

1.3.9 The "Completion Period" shall mean the period starting from the date of issue of commencement given by executing authority and required to complete the line work including handing over the line for charging.

1.3.10 The "Work" shall mean the activities to be carried out for shifting of transmission line, using tower materials, bolts & nuts, cement, line materials viz. conductor, earth wire, their hardware and accessories etc. supplied by the GETCO and using materials like sand, grit, tor steel bars, earthing materials etc. by the contractor under the contract.

1.4 **TENDER DETAILS**:

As per page No. 2.

1.5 **AMENDMENT OF TENDER**:

At any time prior to the submission of tenders, the GETCO may, for any reason, whether at his own initiative or response to a clarification requested by bidder, modify the Tender conditions by amendment.

The amendment will be issued on n code/GETCO web site or by mail or by fax to all bidders, which will be binding to them.

1.6 **THE TENDER**:

1.6.1 The tender should be submitted only in the prescribed forms issued by the GETCO duly signed on each page and sealed by the tenderer.

1.6.2 The tenders must be sent by Registered Post / Speed Post only so as to reach this office on or before specified date & time. Due care should be taken to see that

the tenders sent are posted early enough to ensure their delivery by the prescribed date or even earlier.

1.6.3 The tender fee specified in notice inviting tender is payable by Demand Draft (DD) drawn at Navsari on any Scheduled Bank in favour of GETCO Navsari on any Scheduled Bank local branch in Navsari. The same will be furnished in Cover-1 of Bid along with EMD (Bid Security).

E.M.D. at the rate of 1% of the value of the items offered is payable. The EMD is payable by Demand Draft in favour of the Gujarat Energy Transmission Corp. Ltd on any Schedule / Nationalized Banks in Navsari. It can also be furnished by way of an irrecoverable Bank Guarantee from any nationalized Bank in a standard format prescribed by the GETCO (Copy Enclosed). And if this amount is more in respect of tender value of Rs. 1 Crore, it should be partially (50%) by DD in favour of Gujarat Energy Transmission Corporation Ltd on any Scheduled Bank in Navsari and balance by Bank Guarantee from any Nationalized Bank in a standard format prescribed by the GETCO (copy enclosed). Cheques are not acceptable. CORPORATE BANK GUARANTEES NOT ALLOWED.

1.6.4 No Interest will be allowed against payment of E.M.D. Documents towards Payment of Earnest Money Deposit (EMD) may please be kept in the enclosed EMD cover only, which is attached along with this tender document. First the EMD cover will be opened and if the documents towards payment of EMD are found OK then only Tender Cover will be opened which may please be noted.

EMD will be forfeited (i) if the tender which it covers is withdrawn during the validity of the offer and (ii) the Tenderer fails to furnish / deposit the security deposit.

EMD of the unsuccessful tenderer will be refunded within 180 days of placing of the order with the successful Tenderer and when the Tenderer askes for refund to the Supt. Engineer (TR), Navsari of the GETCO, the original receipt of the EMD together with the advanced stamped receipt should be furnished along with application for refund of EMD.

1.6.5 The tenderer must ensure that all the Schedules are completely filled up in their tenders and that complete information called for is given. Failure to furnish full and complete details or furnishing vague information would make the tender liable for rejection.

1.6.6 The offer should be valid for a **minimum period of 180 days** from the date of opening of tender.

1.6.7 Bidder should quote for any one / or for all the line/s under this specification.
Tender submitted shall be for the complete scope of work for a particular line as envisaged in this specification. Tender submitted for partial scope of work of any line will not be accepted.

1.6.8 The bidder shall be deemed to have satisfied himself with all the conditions and circumstances affecting the prices and possibility of executing the work. The bidder shall fix his prices taking into account the site & its surroundings, approach roads etc. No idling / mobilizing / demobilizing / remobilizing OR any other type of claim shall be admitted and paid on any part of the work.

1.6.9 The tenderer should fill in all schedules and submit all the details called for in this specification in prescribed Proforma only.

1.6.10 The tenderer should submit attested copies of Resolution of firm/ power of attorney authorizing particular person to sign tender and related documents.

1.7 <u>AUTHORISED REPRESENTATIVE</u>:

1.7.1 All the tenderers are requested to mention the name of their authorized representative with full address in the tender documents.

In case the representative is changed during the course of execution of the contract, such changes shall be notified by the successful tenderer, failing to which, The GETCO shall not accept any responsibility.

1.8 REJECTION OF TENDER:

1.8.1 The bidder is expected to examine all instructions, terms, conditions, schedules and other details called for in this specification and fully informed himself to all which may in any way affect the work or cost thereof. Failure to furnish the required information or submission of tender not substantially responsive to specification will be at the bidder's risk and may result in rejection.

1.8.2 The offer is liable to be out rightly rejected in case the bidding schedules are not filled in and the prices and particulars are given in other format. Further the offer containing -

a) Different rates for the same items i.e. rates quoted in the slabs.
b) Deviation / Addition / Alterations / Omissions in bidding Schedules.
Deviation and contradictions to the terms and conditions specified in this tender are liable to be summarily rejected.

1.9 GETCO'S RIGHT:

1.9.1 The GETCO reserves the right of terminating this contract or part thereof at time during its pendency without giving notice of Termination or the reasons thereof.

1.9.2 The GETCO will be entitled to deduct directly from the bills, to be paid to the contractor any sum or sums payable by him and which sum / sums the GETCO is required to pay as a principal employer on account of contractor default in respect of all liabilities referred to.

1.9.3 The bidders shall specifically note that any overwriting or corrections or manuscript in the bid shall be ignored and will not be considered authentic unless the same are signed with Bidder's Stamp / Seal.

1.9.4 The GETCO reserves the right to split the contract into two or more bidders for the lines covered in the specification or for particular line. In such cases, the term for completion period will be negotiated.

1.9.5 In case of any doubt or interpretation of the terms and condition, the decision of the Superintending Engineer (Trans), Gujarat Energy Transmission Corporation Ltd, Navsari will be final and binding to the bidder and no dispute in this regard will be entertained.

1.9.6 The GETCO reserves the right to accept any bid or reject any or all bids or cancel withdraw invitation to bid without assigning any reason. Such decision of the GETCO shall not be subject to question by any bidder or the GETCO shall bear no liability whatsoever for such decision.

1.10 MATCHING OF END COST:

In case the GETCO decide 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).

1.11 CONTRACT:

1.11.1 The work covered by this Specification shall be carried out and governed by the GETCO's/ GEB's Booklet of "General Terms and Condition of Contracts" appended herewith excepting where conditions specified in this Specification conflict with similar conditions in the Booklet. The tenderers will be deemed to be fully aware of this Booklet and any ignorance of the same will not exempt the contractor from his liability to abide the same.

1.11.2 The Contractor shall not execute any part of the shifting work through sub- contract without obtaining prior written permission from the GETCO.

1.11.3 Such permission given by the GETCO will not relieve the contractor from any liability or obligation under the contract. The contractor shall be responsible

Statutory Variations:

Any statutory increase or decrease in the taxes and duties including GST and Cess as applicable or in the event of introduction of new tax/cess or cessation of existing tax/cess subsequent to suppliers offer if it takes place within the original contractual delivery date will be to COMPANY'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 COMPANY. Statutory Variation clause will not be applicable in case of Supplier / Contractor has opted for Composition Scheme under GST.

for workmanship, quantity and quality of the work done by the sub-contractor or his workmen.

1.11.4 The GETCO shall have right to obtain the agreement, order and other conditions entered into by the contractor with any of the sub-contractor/s. The technical particulars of the work to be executed by sub-contractor shall be subject to approval of the GETCO.

1.12 EFFECT AND JURISDICTION OF CONTRACT:

1.12.1 The contract shall be considered as having come into force from the date of issue of order, which is accepted by the Contractor.

1.12.2 The laws applicable by the contract shall be the laws in force in India. The courts of Navsari shall have exclusive jurisdiction in all the matters arising under this contract.

1.13 **COMPLETION PERIOD**:

1.13.1 The Tenderer should agree with activity wise time bound programme for completion of check survey work including minor survey work & preparation of profiles (if required), stub-setting, foundation, erection of towers & extension, stringing of conductor & earth wire, testing & commissioning of the line etc appended herewith.

1.14 **FORCE MAJEURE**:

1.14.1 The following clauses which substantially affect the performance of the contract shall only be considered as force majeure conditions.

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 the party affected by the 'Force Majeure' shall within fifteen (15) days from the occurrence of such a cause, notify the other party in writing of such cause with sufficient documentary proof.

1.14.2 Notwithstanding any provision mentioned above, the GETCO shall not be in any way be liable for non-performance either in whole or in part of any contract or for any delay in performance thereof in consequence of strikes, shortages, combination of Labour or workman or lockout, breakdown or accident to machinery or accidents of whatever nature.

1.14.3 The Contractor or the GETCO shall not be liable for delays in performing their respective obligations resulting from any force majeure causes as defined above. The date of completion will be extended by a reasonable time by mutual agreement.

1.14.4 In case of damage or destruction of any property or equipments belonging to the Contractor due to force major causes, the GETCO shall not be liable for the same.

(1.15) 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.

(1.15.1) Arbitration

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

1.15.2 Performance under this contract shall, if reasonably possible, continue during the arbitration proceedings, and no payments due or payable by the GETCO shall be withheld unless they are the subject matter of the arbitration proceedings.

1.16 **LABOUR LAWS**:

1.16.1 Persons below the age of 18 years shall not be employed for the work.

1.16.2 No female worker shall be employed in the night shift between 07.00 p.m. and 06.00 a.m. next day.

1.16.3 Contractor shall maintain a valid lab our license under the Contract Labour (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.

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

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.

Payment of deposit in respect of each contract labour at the rate of Rs.30/- with the Office of Commissioner of Labour as per the Contract Labour (Regulation and Abolition) Act.

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

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.
Identity Cards as prescribed under the Factories Act with photo affixed thereto, for identification.

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.

Payment of compensation in case of accidental injury.

Provision of crèche if the female labourers employed are more than 30.

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.

1.16.5 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.

1.16.6 DEPOSIT LINKED INSURANCE SCHEME:

The contractor shall have to deposit 1/2 % 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

1.16.7 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.

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1.16.8 **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.

1.16.9 **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 tendency of the contract.

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

1.16.11 **CONTRACTOR 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 whatever, 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 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.

1.16.12 **WORKMEN'S COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE**

Insurance shall be effected for all the Contractor's employee engaged 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 are covered under the Contractor's Insurance.

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

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.

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

1.18 **REGISTRATION WITH PROVIDEND OFFICE**

The separate P.F. code issued from P.F. commissioner is required to be taken by contractor. The contractors who do not possess separate P.F. code number of RPFC, their tender will not be considered for acceptance. The contractor should mention separate P.F. code number allotted by PPFC, along with the tender.

1.19 **REGISTRATION CERTIFICATE**:

The bidder should be registered with GETCO and bidder should produce latest registration certificate.

1.20 **BANK SOLVENCY CERTIFICATE**

Every bidder shall enclose the solvency certificate. In absence of this, the tender will not be considered by the GETCO.

1.21 Bids shall be submitted as under:

Cover-I Earnest Money Deposit (Bid-Security), Annexure (A), as per relevant Clause of SCC duly signed and Contractor's covering letter. Tender fee details (as per tender notice)

Cover-II Technical Bid (PART-I & II)-Qualifying Requirements. Must contain conditions and schedules of Part-III without prices and Technical Data Requirement Sheets as per Part-II. (Cover I, II and III will be collectively called Technical Bid).

All above 2 covers should be enclosed in main envelope.

The price bid is not to be submitted with the physical documents.

1.22 Signing of contract:

1.22.1 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.

1.22.2 Within 7 days of receipt of the detailed of Award, the successful bidder shall sign the same with date and return it to the Owner.

1.22.3 The Bidder will prepare the Contract Agreement as per the Performa prescribed and the same will be signed within 15 (Fifteen) days of notification of Award.

1.22.4 The contractor will have to give indemnity bond for material on Non-Judicial Stamp paper of value Rs. 100/- to GETCO as per attached format. The cost of stamp paper will be borne by the contractor.

1.22.5 The contractor will have to give safety cum indemnity bond on Non-Judicial Stamp paper of value Rs. 100/- to GETCO against any possible claim of compensation for damage to contractor's staff or any of third party during the execution of work. The cost of stamp paper will be borne by the contractor.

1.22.6 Also the successful bidder will have to execute Agreement on stamp paper of value Rs.50/- at our Transmission Circle, GETCO, Navsari before commencement of works as per GETCO's prescribed Proforma. The cost of stamp paper will be borne by the contractor.

Signature of Contractor

Superintending Engineer GETCO, CO, Navsari

CONFIRMATION OF DETAILS OF BIDDER

Bidders are required to furnish following information & should place on top of technical bid 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/Speed post. 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 GETCO 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, equipments 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

8) GST [IN PERCENTAGE] Yes/ No
   Please quote your GST Registration No. & Date.
9) PENALTY TERMS AGREE Yes/ No

10) SECURITY TERMS AGREE Yes/ No
11) PAYMENT TERMS AGREE Yes/ No
12) Completion Period Agreed Yes/ No
13) TELEPHONE NOS. & FAX NO. & e-mail ID
14) AUTHORISED PERSON OF THE FIRM:

15) NAME OF THE PROPRIETOR,
PARTNERS, DIRECTORS [AS THE CASE MAY BE],
ALONG WITH ADDRESS, TELEPHONE, FAX NO. etc.

Signature of Authorized Representative of Company/Agency

NAME:_____

STATUS:_____

Name of tendering Company

Seal & Signature of Bidder

SECTION - II

COMMERCIAL TERMS AND CONDITIONS FOR ERECTION OF TRANSMISSION LINE ON S/C. D/C. AND M/C TOWER:

2.1 **SCOPE**:

2.1.1 The erection works covered under this section consist of **Erection of 66 kV D/C Jamanpada - Rajpuri Talat line on D/C and M/C tower with ACSR Panther conductor.**

2.1.2 Quantities given in the Schedule of Section-B are to be executed by the contractor at the rates accepted by the GETCO in the A/T. In case of any deviation in tower quantity / type of tower / length of line, excavation / concreting resulting into an increase in which event the field officer shall obtain prior approval of the competent authority and excess quantity shall be paid only at the accepted rate of the A / T.

2.1.3 The erection/shifting work beyond contractual ceiling amount shall be done only after approval from the GETCO.

Security deposit: -

Successful bidder will have to pay 5% of contract value deposit for satisfactory completion of work within 10 days of issue of LOI. If Bidder fails to pay security Deposit within 10 days of issue of LOI then EMD will be forfeited.
100 % Security Deposit will be payable by bidder either in form of **DD** payable at Navsari Or Bank Guarantee from Schedule/ Nationalized bank will be acceptable if the amount of security deposit payable exceeds Rs. 50,000/- bank guarantee will be furnished as per the approved format of the corporate office.
The Bank Guarantee should have a clear one-time validity till the complication of the work in all respect as per GETCO's norms.

1. GETCO will accept the BG issued by following banks

(A) All Nationalized Banks.

- (B) Guarantees issued by following Banks will be accepted as SD **for the period up to March, 2026** Or the issuance of new Government Resolution on the same subject whichever is earlier. The validity cut – off date in GR is with respect to date of issue of Bank Guarantee is irrespective of date of termination of Bank Guarantee.

No.	Bank Name	No.	Bank Name
1	A U Small Finance Bank	22	Saraswat Co-operative Bank
2	Ahmedabad Mercantile Co. Operative Bank Limited	23	The Panchmahal District Co-operative Bank
3	Axis Bank	24	Baroda Gujarat Gramin Bank
4	City Union Bank	25	Tamilnadu Mercantile Bank
5	DBS Bank India Limited	26	The Gujarat State Co-operative Bank
6	Kalupur Commercial Co-operative Bank Limited	27	The Mehsana Urban Co-operative Bank Limited
7	Equitas Small Finance Bank	28	The Surat District Co-operative Bank
8	Federal bank	29	The Surat Peoples Co-operative Bank
9	DCB Bank	30	Utkarsh Small Finance Bank
10	ICICI Bank	31	HSBC Bank
11	Barclays Bank	32	Karnataka Bank
12	HDFC Bank	33	Karur Vysya Bank
13	Kotak Mahindra Bank	34	South Indian Bank
14	Bandhan Bank	35	The Cosmo Co-op. Bank Ltd
15	IDBI Bank	36	ESAF Small Finance Bank
16	CSB Bank	37	Jammu and Kashmir Bank
17	IDFC First Bank	38	Standard Chartcrcd Bank
18	Jana Small Finance Bank	39	Yes Bank
19	Nutan Nagrik Sahakari Bank Limited	40	SBPP Co-operative Bank Ltd.
20	Rajkot Nagrik Sahkari Bank Limited	41	Saurashtra Gramin Bank
21	SVC Co-Operative Bank LTD	42	The Baroda District Co-operative Bank

2. The bank guarantee should have clear one-time validity till the completion of facilities in all respect. Bank guarantee for interim period will not be allowed. If for any reason, the contract period is extended, the contractor should undertake to renew the bank guarantee at least one month before the expiry of the validity, failing of which corporation is at liberty to redeem the same, without entering in to further correspondence in the matter.

3. There should be a "claim period'' of at least one month after expiry of the Bank Guarantee.

4. For lodgment of claim for invocation of bank guarantee, the clause should specifically state that the said **BG can be presented at the local branch of the issuing bank.**

5. For Invocation of BGs, a written application from the GETCO should be sufficient for lodgment of concern office's claim.

The Balance 50% of security Deposit shall be recovered from 1st and 2nd R.A.bills in equal instalments.
The security Deposit will be refunded only after the completion of 1 year guarantee period of work completed or finalization of final bill whichever is later.

1. ***Contract Period: - The time allowed for completion the work is strictly 03 Months from the date of the commencement of the work as the project is very important project of Government of Gujarat, failing which the penalty ½% per week or part thereof on delayed portion of work and / or supply value subject to ceiling of 10% of the total contract value will be imposed. Further, on un satisfactory progress without any genuine reason, GETCO will force to invite tender at RISK and cost of contractor after single notice and no further communication will have entertained in this matter. Contractor shall have to submit consent to complete work within 03 Months on 300 Rs. Non judicial stamp***

2. The time limit for the work may be reduced and contractor should make all his efforts to complete the work within stipulated time limit as may be given by the Engineer in charge depending upon emergency of work, GETCO reserves the right to reduce the time limit without giving any notice.

1. **On Permanent Basis**
   (A) All nationalized Banks including the public sector Bank-IDBI bank
   (B) Private Sector Banks - Axis Bank, ICICI Bank and HDFC Bank

2.2.2 The Bank Guarantee of a Scheduled Bank can be accepted in lieu of DD provided the amount of Security Deposit exceeds Rs. 50,000/-. The successful contractor has to renewal the Bank Guarantee time to time prior to the validity period over failing to which such amount will be deducted from the running bill.

2.3 **SURVEY**

2.3.1 The contractor has to make the original & check survey with detailed profile in 4copies as per the contract demand & instruction by the Engineer in-Charge of the works or Superintending Engineer (TR) if any minor modification in alignment of the route or profiles, during check survey or while scrutiny of check survey is required, the same shall be carried by the contractor at no extra cost to the GETCO.

2.4 TAKING DELIVERY AND INSURANCE:

The contractor has to take delivery of tower and line materials from carriers / The GETCO's Stores against Indemnity Bond and keep them in safe custody and transport to the respective tower erection sites and will be fully responsible for any damage to or loss of all materials at any stage during transportation or erection.

In case stub-setting template for various types of towers are issued free of cost by the GETCO, payment of taking delivery of such templates shall be made only once as per rates and weight indicated in the tender specification.

Successful contractor has to transport these stub setting templates from the location to the other till completion of the line work at his cost. The same should be credited after completion of stub –setting work in complete set as per bill of materials (Member wise without any shortages)

2.4.1 The rates indicated in the Schedule of above work for tower materials and bolt-nuts will be paid only after utilization of such materials in erection.

2.4.2 The line materials required for erection work will be issued from the GETCO's Stores only after production of valid insurance policy by the Contractor.

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

2.4.4 The Contractor shall have total responsibility for all the 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.

2.4.5 **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 materials, which are required to complete the work. 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 of the work 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 successful 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 with held.**

The contractor shall take suitable storage cum erection insurance cover for the entire project including all materials, which are required to complete the line, at his own cost. Such insurance will cover against destruction, loss by theft, damage in transit during erection, or otherwise or by fire, flood under exposure to the weather or through riot, civil commotion, for the full value thereof, until take over of line.

However, it will be contractor's responsibility to Insure entire project till the line is taken over by the GETCO.

The approximate amount of the material required for erection to complete the scope of work is **Rs. 3,32,32,952.00 is Material Cost,** whose insurance is to be taken.

2.5 WAY LEAVE, TREE CUTTING AND OTHER OBSTRUCTIONS

2.5.1 The GETCO will arrange for right of way and for tree clearance. Proposals in this connection will have to be and submitted by the contractor well in time. It will also be necessary on the part of contractor to instruct his labourers and staff to use minimum area while doing the work where there are standing crops. No person of the contractor should pick any Items from standing crops or fruits. The contractor should take all possible steps to avoid or minimize damage to standing crops, etc.

2.5.2 The contractor should immediately notify any obstructions or hindrance from local villagers or the local authorities in the execution of the work to the concerned Engineer-in-Charge but should not deal directly in the matter. The Engineer-in- Charge will arrange to remove the obstacles as soon as possible.

2.5.3 For clearances, permissions etc. from various authorities, the Contractor shall not remain contended by simply informing the GETCO, but shall invariably assist and arrange for personal follow up to overcome the difficulties in the interest of progress of the work.

2.5.4 **METHODOLOGY FOR COMPENSATION TOWARDS ROW: Methodology for compensation towards Right of Way (ROW)/Way leave clearance/Tree crop damages etc during construction of this line will be made as per GOG Tharav No. GET-11-2015/GOI-199-K Dated 14.08.2017 and subsequent amendments.**

2.6 **ACCESS TO LOCATIONS**:

2.6.1 It will be the contractor's sole responsibility to take the materials up to the location. Any path way, temporary road, temporary bridge required will have to be provided by the contractor at his cost. If, for any reasons the above is not feasible, the contractor at his own cost shall have to arrange transportation by head loads.

2.6.2 The contractor will be deemed to be very well familiar with the route of the transmission line before giving the offer. Notwithstanding the difficulties of terrain, location approaches, way leave and other obstructions the price quoted for all the items of erection in the Schedule of Section-E-IV shall not undergo any change at any stage or granted by the GETCO for any special rates/consideration.

2.7 SHORING, SHUTTERING AND DEWATERING:

The Contractor has to arrange for shoring, shuttering and dewatering work during activities of excavation, stub setting and concreting. These shall be done at his own cost.

2.8 EXCAVATION:

2.8.1 The payment of excavation will be limited to the volumes as per approved excavation drawings even though the Contractor may excavate more for the sake of his own convenience or for any reasons. If the excavated dimension/s is/are more than the dimension/s shown in the approved drawing, the additional excavated volume should be filled in with 1:2:4 mixture concrete at Contractors cost in respect of materials, labours etc.

2.8.2 In case of rock soil, the extra excavated rock portion on all sides shall be filled with 1:2:4 mix concrete at his own cost in respect of materials, labours etc.

2.8.3 The rates indicated in schedule for excavation work in each soil shall be applicable to all the locations as per actual condition of the soil strata irrespective of classification of type of foundation.

2.8.4 The rates for excavation indicated in schedule shall also be applicable for benching work, if required.

2.9 STUB SETTING:

2.9.1 The rates for stub setting are inclusive of cutting of stubs (if any), setting of stubs, levelling at correct level, dismantling of template after concrete, back- filling etc. work.

2.9.2 Above rates shall be on per MT basis for normal, extensions upto 21 meters and special/river crossing towers.

2.9.3 The weights payable for stub-setting item shall be comprising the weight of stub and its respective stub setting template.

2.9.4 The Contractor shall invariably return the stub setting templates with bolt-nuts in good condition to the GETCO on completion of foundation work. The templates shall be returned duly painted with red oxide, if ungalvanised and marked with its number.

2.10 CONCRETE:

2.10.1 The rates indicated in schedule for concrete work shall be applicable to all the locations irrespective of soil strata and type of foundation adopted.

2.10.2 The Contractor shall have to utilize cement from his own stock or by purchasing from the market (Please see Special condition for use of cement)

2.10.3 The tor steel bars required for RCC type foundation shall be procured by the Contractor in advance to avoid delay in the work.

2.10.4 The empty cement bag shall be retained by the Contractor.

2.10.5 No wastage is permitted for reinforcement steel as reinforcement steel is to be procured by the contractor at his own cost. NO over lapping of RCC is permitted in foundation work.

2.10.6 The GETCO reserves right to test the quality of steel and cement procured by the contractor at any Govt. recognized Laboratory and intended to be used for the tower foundation works. The test results shall be binding to the Contractor.

2.11 **BACK FILLING**:

2.11.1 The rates of stub setting are including the work of back filling of excavated pit. The large stones / boulders shall be broken to maximum 80 mm size before used for back-filling at no extra cost to the GETCO.

2.12.2 The quantity of excavated earth obtained from a particular location shall generally be utilized in back filling work in tower footing of same location, unless it is unsuitable for such purpose. In the later case, the back-filling shall be done with borrowed earth of suitable quality irrespective of lead at no extra cost to the GETCO.

2.12 PROTECTION OF TOWER FOOTING:

Quantities of various protection work like stone revetment, concrete revetment, brick masonary and random stone masonary to the foundations are to be executed by the successful contractor if indicated in the schedule- B and payment for such quantity shall be as per unit rates accepted.

2.13 TOWER ERECTION AND GROUNDING:

2.13.1 The rates for erection of structure of tower and extension upto 21 meters and special / river crossing tower on special foundation/pile foundation carried out by any other agency shall be on per MT basis. These rates shall be valid irrespective of location, nature and specification.

2.13.2 The payment for superstructure / extension / special river crossing tower shall be paid only after erection of complete tower as per structural drawing.

2.13.3 The rates for fixing of anti-climbing devices, danger plate, number plate, phase plate, circuit identification plate are inclusive of all materials and labour thereof.

2.13.4 The rates for providing earthings to the tower either pipe type or counter poise are inclusive of supply of all materials and labour thereof.

2.13.5 The contractor shall arrange for all the equipments for tack-welding purpose. The rates shall be inclusive of supply and application of zinc rich paint on it. The tack welding of nuts with bolts for two bottom – most panels shall be carried as per the instruction of E.I.C.

2.13.6 The Contractor shall arrange required equipments for measurement of soil and tower footing resistance. The payment shall be released only after receipt of final soil resistance details of providing earthing at each location.

2.14 INSULATOR HOISTING AND STRINGING:

2.14.1 The rates for any type of stringing work, out of followings are indicated in Schedule B.

- o stringing of one / two ground wire/s,
- o stringing of single / double circuit line with single bundle conductor/s,
- o hot-line stringing of conductor,

2.14.2 The rates for stringing of conductors and ground wire for special crossings like river shall be on per KM basis only and shall be paid according to actual work done. In case special towers

are suspension type the special shall mean major river crossing section considering the span from one anchor tower to the other end anchor tower

2.14.3 The stringing work should be planned in such a manner in consultation with the Engineer in charge of the work that minimum shut down of power line crossings are required. Revenue loss due to any undue shut down i.e. after the shut down is arranged and required to be extended on account of contractor shall be recoverable from the contractor.

2.14.4 All members of dismantled tower and line materials shall be credited by the contractor to Const. Div. store

2.14.5 The empty steel drums of conductor and earth wire shall be returned by the contractor.

2.15 **COMPLETION PERIOD**:

2.15.1 The contractor is required to commence the erection activity from the date of issue of separate letter which will be issued by EE (Const), Navsari and shall complete erection activities in all respect as indicated in Schedule of Section B.

2.15.2 The time limit of completion of work is **03 Months.**

2.16 PENALTY FOR DELAY:

2.16.1 If the contractor fails to complete the work on or before the extended date(s) / period(s) of completion of work, he shall without prejudice to any other right or remedy of the GETCO on account of such breach, pay as penalty an amount equal to half percent (1/2)% of the contract value of the delayed work including the value of excess work for every week or part thereof, that the whole of work remains incomplete, provided that the total amount of penalty, to be paid under this condition shall not exceed Ten percent (10%) of the final contract value. The amount of penalty may be adjusted or set off against any sum payable to the contractor, under this contract including other lots.

2.17 **PRICES**:

2.17.1 Tenderers must quote their rates on FIRM PRICE basis.

2.17.2 Unit rate quoted by the contractor and that accepted by the GETCO for the following items to be executed by the contractor to complete the line work shall be applicable for the work to be executed for various types of normal structures and special structures, if any.

a. Excavation in all types of soils.

b. Concreting 1:2:4/1:3:6/1:4:8/1:1.5:3 in all types of soil.

c. Providing reinforcement for all types of foundation designs. d.

Grounding of structure pipe type / counter-poise type.

e. Fixing of ACD/DP / NP / PP / CIP.

f. Tack welding.

g. Stringing of ground wire and conductor.

Goods and Service Tax (GST) :

The F.O.R. Destination pricesare excluding GSTand Cess as applicable which will be paid extra on a given taxable goods and/or services within the original contractual delivery period. The amount and% of GST and Cess as applicable should clearly be indicated separately. (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 and SGSCT Act, 2017and all related ancilliary legislations).

You shall have to submit a C.A Certificate& duly authorized Signatory of successful bidder, certifying that you have not claimed Refund of any applicable GST and Cess, charged to COMPANY or shall not claim any such Refund, on a future date, from the concerned Authorities and if, any Refund, in respect of such GST and Cess, is claimed by you, it will be immediately passed on to the COMPANY, without COMPANY making any specific Claim, for the same, either from the Department or from you.

The offers having price INCLUSIVE OF GST and Cess is likely to be rejected if the rate of GST and Cess is not mentioned clearlyunless the bidder has opted for Compostion Scheme under GST Act, which should be clearly indicated in the price bid. COMPANY may at its discretion consider such offer with presumption of highest applicable rate of VAT/GST/Cess prevailing when the price quoted is inclusive of GST and Cess.

If the Supplier/Contractor has opted for the Composition scheme of GST, the same must be clearly specified with valid Declaration & Certificate from Department. In the event of withdrawal/cessation of the Supplier from Composition scheme during the tenure of the contract, the rate mentioned in the price bid shall be final and any additional GST will have to be borne by the tenderer. In no case additional amount towards tax or otherwise will be paid / reimbursed to supplier/contractor.Further Statutory Variation clause will not be applicable in case of Supplier / Contractor has opted for Composition Scheme under GST.

Supplier/Contractor should charge GST in Invoice at the rate as agreed to / mentioned in acceptance of tender only and any deviation in the same shall not be accepted. Further, any additional liability of GST (later on due to wrong mentioning of GST rate, mis-interpretation of HSN/SAC Code, etc.) over and above as charged in the invoice shall be borne by the Supplier/Contractor. However, any refund received by the supplier / contractor on account of GST charged from the company; such refund shall have to be passed on to the company, along with interest if any. Such refund along with interest needs to be passed on suo-moto by the supplier / contractor.

Further, the Company has a right to recover the amount of GST along with penal interest at the rate of 15% per annum if GST charged is not paid / short paid to the government or fail to upload the details or uploads inaccurate particulars on GSTIN portal by the Supplier / Contractor within the stipulated time limit.

In case, Govt. revises the rate of GST rate / Code during the tenure of the contract, the provision of GUVNL's statutory variation clause shall apply.

INPUT TAX CREDIT BENEFIT

In the event of any statutory increase in the rate of Input Tax Credited / or due to inclusion of any other additional item of their inputs / input services under the ambit of the Input Tax Credit provisions under the GST Act, subsequent to the date of submission of the offer, the same should be passed on to COMPANY and you should inform such changes to COMPANY from time to time.

2.19 **INCOME TAX**:

2.19.1 Income tax at source at the prevailing rate will be deducted from contractor's bill in accordance with the provisions of Income Tax Laws and to that effect a certificate will be issued to the Contractor.

2.19.2 The bidder will have to submit latest income-tax clearance certificate along with the offer.

2.19.3 As per the Welfare cess Act, the welfare cess @ 1% is applicable on supply and erection items for supply, erection, testing & commissioning of substation, transmission lines, EPC/Turnkey projects and civil works.

- Contractor shall get registered under Welfare Cess Act before commencement of work. Office of the Factory Inspector is authorized at present as a registering authority.

- The welfare cess@1% is considered in the price schedules so, the bidders are requested to quote accordingly.
- GETCO shall pay the welfare cess by way of reimbursing to contractors on production of documentary evidence of payment.
- The contracts for which supply or part supply of material are in the scope of GETCO, then contractors shall deposit welfare cess on estimated cost of supplied items to GETCO on progressive basis of utilization. As this part of welfare cess is on GETCO account, the same shall be reimbursed to the contractor on receipt of request letter along with documentary evidence of payment. For calculation of welfare cess on supply part, valuation as per MR shall be taken and informed to the contractor for payment. This will be over and above the A/T value.
- In case of EPC contracts covering supply, erection, testing & commissioning, the supply portion shall also be considered for calculation of welfare cess.
- If GETCO purchases material on its own without any reference to the estimate contract and gives/hand over the material to the contractor for erection, testing & commissioning, then welfare cess on procurement cost of the equipment of material shall also be applicable. Procedure same as narrated above.
- Periodically, the evidence regarding filing of return and maintaining record as per the Act by the contractor shall be verified by GETCO.

The modality of payment/ reimbursement of welfare cess will be as under.

- On receipt of A/T, the contractor / bidder will get them registered under Welfare Cess Act and submit the documentary evidence to the concern office.
- Before release of payment of first R.A.Bill, the contractor has to submit the documentary evidence of registration. Only thereafter, the bill will be processed for payment.
- Before release of payment of subsequent R.A.Bills, the contractor has to submit the documentary evidence of payment of welfare cess of previous R.A.Bill.
- Before release of payment of final bill, the contractor has to submit documentary evidence of payment of welfare cess of previous R.A.Bill as well as of this final bill.
- If the R.A.Bill happens to be first and final bill, then before release of payment, contractor has to submit documentary evidence of registration under Welfare Cess Act and evidence of payment of welfare cess.

2.20 TERMS OF PAYMENT:

2.20.1 Payment shall be made as under:

Upto **80%** of the total value of the erection work done will be paid against monthly running account bills to be submitted to the Engineer-in-Charge of the Construction Division concerned.

Balance **20%** payment due will be made at the end of 12 months from the date of handing over of the line or 18 months after completion of the line to the satisfaction of the Superintending Engineer (Trans), Navsari at his absolute discretion whichever is earlier only after passing of final bill.

2.20.2 The payment of above balance 20% amount due will be made only after a material account statement of items received and used or returned to stores is settled andpassing of final bill. The contractor must settle final bill within 3 Month from the completion date. Any discrepancy in the quantities will have to be made good by the contractor or deduction of its cost as per The GETCO's ledger value or market value whichever is higher, plus 15% supervision charges will be made while settling the balance payment. This value of materials shall be prevailing on the date of submission of the final material account to the GETCO.

2.21 PRESENTATION OF BILLS:

2.21.1 Bills for 95% value of the erection work carried out during each calendar month as per above Clause shall be submitted in triplicate to Deputy Engineer (Const), In charge of the works at the end of that particular month, who will in turn process the same and forward to Executive Engineer (Const), In charge of the works, for necessary payment. These bills shall be serially numbered with Suffix-E-1.

2.21.2 Bills for 5% value of the erection work done as per above clause shall be submitted to Deputy Engineer (Const), in charge of the works, who will in turn process them and forward them to

Executive Engineer (Const). I/C of the work for necessary payment. These bills shall be serially numbered with Suffix-E-2.

2.21.3 The Contractor has to submit the final bill along with all required data of works carried out within 3 months from the date of commissioning of the line. The concern Dy.Engr /Ex.Engr (Const) must record and process the final bill along with complete material account. The material account shall include the credit of dismantled materials.

2.21.4 All the bills (in accordance with above Clauses) must be submitted with following informations:-

a. Item wise work done during billing period i.e., respective month. b. Item

wise cumulative work done.

c. Account for tower materials & bolts-nuts, accessories consumed and balance stock.

d. Account of line materials consumed, wastages and balance stock.

For non-submission OR part submission of above information an additional 5% amount of the respective RA. Bill will be withheld and released only after passing of final bill.

2.22 **TOWER ACCOUNT**

2.22.1 Within the month of completion of the foundation activity of the line all the stub setting templates shall be returned / credited to the GETCO's store as per the instruction of the Engineer-in-incharge of the works at no extra cost to the GETCO.

2.22.2 Within the month of completion tower erection activity of the line all surplus stubs / towers / extensions including bolts, nuts and accessories etc. shall be returned / credited to the GETCO's store including its proper stacking as per instruction of the Engineer- in-charge of the works at no extra cost to the GETCO. If contractor fails to do so, cost of the surplus towers i extensions / stub setting template including bob & nuts shall be deducted from the payable amount of this or any other work executed by the contractor.

2.22.3 So far as the accounting of unused surplus towers is concerned, the same shall be done on the basis of complete tower only and not on per MT basis. For shortage of any part (as per BOM) /Bolts-Nuts/Accessories to complete the tower, recovery of complete full tower shall be made from contractor's bill.

2.22.4 All the surplus towers as mentioned above shall be returned to the stores as per instruction of Engineer-in-Charge of the works OR at the TOWER BANK situated at Navsari within one month of completion of towers erection. This includes unloading of tower material and stacking it as per instruction of the Engineer- -in-Charge at no extra cost to the GETCO.

2.23 MATERIAL ACCOUNT:

2.23.1 On completion of the work, all surplus tower and line materials etc. and stub- templates shall be returned by the contractor to the stores of the GETCO, as per the instructions of the Engineer-in-charge of the works at no extra cost to the GETCO.

2.23.2 The contractor shall submit the complete materials account immediately after the work is completed and in any case not later than _ _ months from the date of completion or handing over of the line, whichever is earlier.

2.24 WASTAGES:

2.24.1 The contractor shall make every effort to minimize the breakages, losses and wastages of line materials/cement etc. supplied "Free of Cost" by the GETCO for line erection work.

2.24.2 The maximum ceiling for wastages permitted is as under:

Sr. No.	Item	% wastages permitted (Maximum)
i)	Conductor and earth wire.	½% (for jumpering, sisterwire & sag.)
ii)	Conductor and earth wire.	½% (for credit as scrap of cut-piece length (from 10 Mtrs. Upto 30 Mtrs.)
iii)	Conductor and earth wire.	And 2% (for credit in pieces as good conductor from 30 Mtrs. to 100 Mtrs.)
iv)	Bolt-nuts	Nil (No extra bolts-nuts will be supplied).
v)	Insulators	Nil (No extra SRI will be supplied). %

2.24.3 All the wastages are accountable except for items (i) of Clause No.2.24.2. The account of permissible wastages shall be maintained at site in the registers as prescribed by the Engineer-in-Charge of works, which will be subjected to periodical checking by purchasers authorized representatives.

2.24.4 The account of wastages shall also be submitted on monthly basis (with running accounts bills) to the Engineer-in-Charge of works as per Statement-B, Appendix-I of the specification. The copy of R.A. Bill shall also be submitted to the concerned Executive. Engineer (Const).

2.24.5 The contractor has to return empty steel conductor and earth wire drum.

2.25 **TESTING AND COMMISSIONING**:

2.25.1 After completion of the work, as mentioned in Clause No. 2.1 - Scope of this Section, the contractor will ensure that all works connected with line have been completed correctly as per Indian Electricity Rules and procedure. Any extra cost involved due to incompleteness of work or bad workmanship found out subsequently, shall be set right forthwith by the contractor at his cost. The contractor shall arrange to hand over the complete line immediately on completion of the line.

2.26 **PROGRESS REPORT**:

2.26.1 Daily progress report in duplicate shall be regularly submitted to the Executive Engineer (Const), with a copy to Supdt. Engineer (Trans). The Contractor shall also maintain register as per Schedule of Section E-IV.

2.27 **SITE VISIT**:

2.27.1 The Engineer-in-Charge of the works or his representative will be free to visit the contractor's works, their site stores and erection site and also verify the purchasers' materials in the custody of the contractor, as and when required.

2.28 **WARRANTY**:

2.28.1 The erection work will be covered under warranty period against any defect arising from erection workmanship for a period of 18 months from the date of completion of line or 12 months from the date of handing over of the line to the satisfaction of Superintending Engineer (Trans), at his sole discretion, whichever is earlier.

2.29 **QUANTITIES**:

2.29.1 Quantities given in the Schedule-B are to be executed by the contractor at the rate accepted by the GETCO in the A/T. In case of any deviation/tower quantity /type of tower/ length of line, excavation/ concreting resulting in an increase in which event the field officer shall obtain prior approval of the competent authority of GETCO and excess quantity shall be paid only at accepted rate of the A/T.

Design / drawings for any other item to be executed, if required shall be prepared and submitted to the GETCO for approval by the successful contractor at no extra cost to the GETCO and in time to avoid delay in completion period. Payment for such Items executed shall be made on the basis of quantities of approved designs and rates accepted in the A/T.

2.30 **HANDING OVER OF DOCUMENTS**:

2.30.1 The contractor has to furnish the documents listed in Clause No.3.17.1 of Section- E-III, within 3 months of completion of the work to Executive Engineer (Const.), incharge of the work.

2.31 **Placing Vendors/Contractors for Purchase/Works in a Stop deal/Banned for business dealing/blacklisting:**

1.1. Stop deal / banned for business dealing / blacklist means debarment of parties from participating in the tendering process.

1.1.1. Firm will mean Bidder / Licensor / Tenderer / Consultant / Vendor / Contractor.

1.1.2. Reasons for Putting a Firm on Stop deal / banned for business dealing / blacklisting, is to protect the GUVNL and its subsidiary Companies from dealing with undesirable firm.

1.2. The list of indicative reasons for placing the firm in a Stop deal / banned for business dealing / blacklist are as Under.

A Firm will be placed in a Stop deal / banned for business dealing / blacklist, if the Firm-

1.2.1. Has submitted fake, false or forged documents / certificates,

1.2.2. Has revised / withdrawn price bid after opening of Techno – commercial bid, until and unless it is sought for,

1.2.3. Has tampered with the stipulated tendering procedure.

1.2.4. Has refused to accept letter of Acceptance / purchase Order / Work Order after the same is issued by the Company within the validity period and as per agreed terms and conditions,

1.2.5. Has committed breach of contract or has failed to perform a contract or has abandoned the contract,

1.2.6. Has failed to provide suitable expertise for the work as per per-scheduled program.

1.2.7. Has failed to submit all the necessary tests reports / documents within time schedule / as per company's time limit, as mentioned in the LOI, if the letter of Acceptance (LOA) is placed subject to submission of type reports / documents to the firm.

1.2.8. Has indulged in construction and erection of defective works.

1.2.9. Has supplied inferior quality / defective materials and refused to replace with stipulated time frame, as specified by the company,

1.2.10. Has substituted materials in lieu of materials supplied by the company or has not returned or has short returned or has unauthorisely disposed of materials / documents / drawings / tools or plants or equipment supplied by the Company,

1.2.11. Has involved in malpractices such as bribery, corruption, fraud, canvassing and pilferage,

1.2.12. Has unauthorisely obtained official company information or copies of documents, in relation the tender / Contract.

1.2.13. Has failed to follow the stipulated mode of communication, if specified by the tendering authority / purchaser.

1.2.14. Has parted with, leaked or provided confidential / proprietary information of the Company given to the firm only for its use (in discharge of its obligation against an order) to any third party without prior consent of the Company,

1.2.15. Any other ground for which in opinion of the company makes it undesirable to deal with the Firm, and

1.2.16. In case the State Government directs the Company to place a firm in stop dealing / banned for business dealing / banned for business dealing / blacklisting.

1.3. Every bidder should at the time of submission of bid, give a declaration that bidder and / or proprietor / partner / Director of the firm has not been placed on stop dealing / banned for business dealing / blacklisting by GUVNL and It's any subsidiary Companies as per **Revised ANNEXURE-14**

Signature of Contractor **Superintending Engineer GETCO, CO, Navsari**

Seal & Signature of Bidder

SECTION - III

TECHNICAL PARTICULARS FOR ERECTION, TESTING AND COMMISSIONING OF TRANSMISSION LINES ON D/C TOWERS:

Erection of 66 kV D/C Jamanpada - Rajpuri Talat line on D/C and M/C tower with ACSR Panther conductor..

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

Check survey with minor survey work and if required, original survey and profiling.

I. taking delivery of structure and line material from the carrier/ The GETCO, checking them, transporting to contractor's stores and keeping in safe custody,

II. to take suitable storage-cum-erection insurance,

III. distribution of all materials to erection site,

IV. Excavation, stub-setting, concreting etc. complete work for foundation including dewatering, shoring & shuttering, cutting of stubs, fabrication and supply of chimney material and form boxes etc.

V. tower erection including fixing of attachments, accessories and tack welding,

VI. stringing of AAA/ACSR conductor/s and ground wires with providing jumpers etc. upto sub-station gantries at both ends and making LILO arrangement including dismantling work with one circuit in live condition wherever applicable and if the item is included in Schedule B. De-stringing of existing 66kV D/C line including grounding of insulator string, clamping, grounding of earth wire/conductor crediting to The GETCO's store.

VII. Testing, commissioning and guarantee of all the activities carried out from (I) to (VII).

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

3.1.3 The GETCO will supply structure materials, bolts-nuts, attachments, insulators, insulator-hardwares, conductor, accessories, ground wire, ground wire accessories, etc. required for erection of transmission line.

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

3.1.5 All the erection tools required during construction of line shall be arranged by the contractor at his own cost. The Contractor shall only be responsible for 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 line is taken over by the GETCO.

3.2 **ROUTE**:

3.2.1 The proposed route of the line is available with concerned field office. The tenderers are presumed to have acquainted themselves with the route of line before submitting their offer.

3.2.2 The successful bidder has to collect from concerned field office the detailed route on topographic sheet duly approved by the GETCO immediately on receipt of the Order. He shall also arrange visit of proposed line route jointly with The GETCO's representative for important marks coming along with the route.

3.3 **SURVEY**:

3.3.1 On completion of final survey (check survey), the contractor should return the copy of original profiles along with copies of final survey to the Engineer-in- Charge of the work, before commencement of digging of pits. If, any subsequent alteration is found necessary i.e. during

check survey, the contractor shall have to submit full details of such alteration with justification and obtain approval of the Chief Engineer (Proj) before carrying out the work. The contractor will be responsible for any inaccuracies that may arise due to incorrect survey / spotting of tower etc. and should rectify such inaccuracies at his own cost. The approval of check survey shall be obtained from the S.E. (Trans) concerned.

3.3.2 For important crossing like major road, railways, rivers, power line, telecommunication lines etc. the clearances shall be provided in accordance with the prevailing rules of the concerned authority.

3.3.3 Tension towers with double tension hardware shall be located on either side for railway and power line crossings depending on the merits of each case. Necessary copies of finally approved drawings required for approval of concerned authority shall be supplied by the Contractor free of cost.

3.3.4 The angle of crossing shall be maintained at 90 Deg. as far as possible for crossings like river, railway, power line and P&T crossings but never less than 70^{0}.

3.3.5 The crossing towers with double suspension hardware and dead end type anchor towers shall be located for major river crossings.

3.4 **TAKING DELIVERY AND DISTRIBUTION OF MATERIALS**:

3.4.1 The Contractor has to take delivery of tower materials/ Girders directly from the GETCO's store. The line materials that will be issued by the GETCO will be in “as is where is" condition at the stores centre of the GETCO in that area during working hours of working days. The Contractor will be fully responsible for any damage to or loss of all materials at any stage during transportation or erection.

3.4.2 The Contractor has to open site store immediately nearby the line route and ensure for safe custody of all the materials stored at his own cost.

3.5 **WAY LEAVE, TREE CUTTING AND OTHER OBSTRUCTIONS**:

3.5.1 The contractor will arrange for right of way and for tree clearance. Proposals in this connection will have to be prepared and submitted by the Contractor well in time. it will also be necessary on the part of contractor to instruct his labourers and staff to use minimum area while doing the work where there are standing crops. No person of the contractor should pick any items from standing crops or fruits. The contractor should take all possible steps to avoid or minimize damage to standing crops, etc.

3.5.2 The contractor should immediately notify any obstructions or hindrance from local villagers or the local authorities in the execution of the work to the concerned Engineer-in-Charge but should not deal directly in the matter. The Engineer -in- Charge will arrange to remove the obstacles as soon as possible.

3.5.3 For the clearances, permissions, removal of obstructions in way leave etc. the Contractor shall not remain contended by simply informing the GETCO, but shall invariably assist and arrange for personal follow up to overcome the difficulties in the interest of progress of the work.

3.5.4 Methodology for compensation towards Right of way/ Way leave clearance/Tree crop damages etc during construction of transmission lines shall be as per GOG Tharav No. GET-11-2015-Gol-199K Dtd. 31.12.2021

3.6 ACCESS TO LOCATIONS:

3.6.1 It will be the Contractor’s sole responsibility to take the materials upto the location. Any path way,

temporary road, temporary bridge required will have to be provided by the Contractor at his own cost.1f, for

any reasons the above is not feasible, the Contractor at his own cost shall have to arrange transportation by

head loads.

3.7 **EXCAVATION FOR FOUNDATIONS**:

3.7.1 On finalization of location, the Contractor shall make a trial pit on all four legs of tower having width of 900 mm x 900 mm and depth according to following alternatives:

Alternative-I: If the rock is encountered within the depth of 1.5 mtr, the excavation of trial pit shall be restricted tol.5 mtr. During such excavation, it should be ensured that the depth of rock encountered shall meet with the concrete plug height of respective rock type foundation design. Otherwise, the excavation depth be increased in such a manner that depth of rock encountered shall meet the concrete block height of respective rock type foundation design. The total depth of excavated pit shall be limited to 3.5 mtrs for adopting suitable foundation design.

Alternative-II: When the rock is not encountered up to 3 / 3.5 mtr. The excavation shall be stopped and depending upon the soil strata of excavated pits, the classification of foundation type to be adopted be obtained.

3.7.2 After the excavation of all the four pits for the tower, as indicated in 3.7.1 above, the Engineer-in-Charge of the work (Elect. & Civil) or Engineer nominated by the Chief Engineer (Proj), Head Office shall examine the type of soil and foundation to be adopted for the particular location. For this purpose, Contractor shall offer at least 10(Ten) locations at a time. The decision given by the Engineer-in-Charge of works (Elect. & Civil) or Engineer nominated by Chief Engineer (Proj) for adopting type of foundation at particular location shall be binding to the Contractor.

3.7.3 After the decision of foundation type to be adopted, the excavation dimensions of trial pits shall be increased to the respective approved foundation design, if required. For the excavation done in excess of determined volumes (according to approved foundation design), the contractor has to fill the extra excavation by 1:2:4 mix. concrete at his own cost.

3.7.4 The details of strata found during the trial excavation, decision about the foundation to be adopted and the final actual excavation volumes shall then be recorded in the register to be maintained for this purpose, with proper authentications of the engineers of the Contractor.

3.7.5 **Definition of Soils**:

The soil to be excavated for tower foundations are classified as under:

a) Normal dry Soil:

The soil readily removable with ordinary spades and shovels viz. murram / hard murram etc. and to be used for location in normal dry cohesive or non- cohesive soils of any colour or soil containing loose boulders.

b) Black Cotton Soil:

The clayey soil which can be removable with ordinary spades, shovels, pick, axes etc. and swells when wet and shrinkes when dry, but not necessarily black in colour.

c) Soft Rock:

The rock like hard gravel, kankar, limia stone, fissured rock and other types with similar nature, which gets decomposed and can be quarried or split with crow bar or pick or axe.

d) Hard Rock:

The rock which can be removed by chieselling, drilling, blasting.

e) Sandy Soil:

The normal / black cotton soil which contains more than 50 % sand OR complete sand.

f) Wet Soil:

The normal / black cotton soil having long standing surface water for more than 6 months and with water penetration not exceeding one meter below ground level e.g. paddy field.

g) **Submerged Soil:**

The normal / black cotton soils met with sub soil water which requires dewatering.

Note: For rock, it may be ensured that it is the parent soil strata and not the isolated local boulders.

3.7.6 **Guideline for adopting various types of foundations**: **(All dimension are in mm)**

Sr. No.	Type of foundation to be adopted	Type of soil	Layer depth from ground level in mm.	
			Fro	To
1.	Normal Dry Soil (NDS)	Dry B.C. NDS OR ND	G.L. DBC Layer at 1(a) G.L.	500 m.m. 3500 m.m. 3500 m.m.
2.	Partially Submerged Normal (PSN)	Soil strata as at (1) / (5) but with soil water table available below 1500 m.m. from G.L. to 3500 m.m.		
3.	Fully Submerged Normal soil (FSN)	Soil strata as at (1) / (5) but with soil water table available within 1500 m.m. from G.L. to 3500 m.m.		
4.	Wet Normal Soil (WNS)	Soil strata as at (1) but surface water logged for more than 6 months and penetrating upto 1000 m.m from ground level.		
5.	Partially Dry Black Cotton (PDBC)	DBC N D S	G.L. DBC Layer at 5(a)	More than 500 m.m. & upto 1500m.m. 3500m.m.
6.	Fully Dry Black Cotton (FDBC)	DBC NDS	G.L. DBC	More than 1500 m.m. and upto 3500 m.m. 3500 m.m.
7.	Partially Submerged Black Cotton (PSBC)	Partially Soil strata as at (6) but with sub soil water table available 1500 m.m. from G.L. upto 3500 m.m.		
8.	Fully Submerged Black Cotton (FSBC)	Soil strata as at (6) but with sub soil water table available within 1500 m.m. from Ground Level upto 3500 m.m.		
9.	Wet Black Cotton (WBC)	Soil strata as at (5) or (6) but surface water logged for more than 6 months and penetrating upto 1000 m.m. from ground Level.		
10.	Soft Rock (SR)	Dry B.C. or NDS Soft Rock	G.L. DBC/NDS layer at 10(a) (within 1500/3500m.m.)	Rock 1500 m.m. within 3500m.m.
11.	Hard Rock (H R)	Dry B.C. or NDS Hard rock	G.L. DBC/NDS layer at 11(a) (within 1500/3500m.m.)	Rock 1500/within 3500m.m.
12.	Sandy	Dry B.C. or NDS	Mixed with sand upto 3500 mm. (more than 50% Sandy)	
			O	
		Sand	Within 1500mm. from G.L.	3500 m.m.

For very complicated soil strata other than indicated above like soft rock-cum submerged or hard rock-cum-submerged, normal-clayee-sandy soil etc., the matter should be referred to Chief Engineer (Trans) for decision regarding the type of foundation to be adopted, giving details of strata of soils in all the four of the location alongwith proposal recommended. The proposal shall be submitted in consultation with the Engineer-in- Charge (Civil & Electrical).

3.7.8 **Precautionary Measures:**

a. During excavation of rock (by chiseling or blasting or drilling) extra care should be taken, so that excavation dimensions required for rock portion is maintained almost equal to but never less than approved foundation design. The rock surface shall be as rough as possible for proper bondage between rock and concrete. In case of extra excavation in rock, the same shall be filled with 1:2:4 mix concrete at Contractor's own cost i.e. the concrete shall be filled in the gap for the desired height of the concrete plug. The Contractor shall arrange for

required blasting materials at his own cost and will be responsible for storage and use of such materials.

b. Whenever dewatering is necessary during excavation for smooth execution of the work, manual dewatering will be resorted to in case of little water otherwise mechanical or power driven dewatering shall be deployed at Contractors own cost.

c. In case of collapsible soil shoring and shuttering shall be provided by the Contractor at his own cost. No extra charge shall be admissible for removal of collapsed soil in the pit.

d. Whenever necessary, the leveling of soil shall be done.

e. For shallow foundation, the stub shall bee cut to proper length at contractor's own cost and record shall be maintained for such locations in terms of cut lengths.

3.8 **STUB SETTING:**

3.8.1 The Contractor shall be fully responsible for correct setting of stubs in accordance with approved methods of the exact locations and alignments and in precisely correct level. Stub-setting templates to be supplied by the GETCO should be used for proper, setting of stubs.

3.9 CONCRETE:

3.9.1 Form boxes made out of M.S. sheet for chimney and steps or pyramids shall be prepared by the contractor as per approved foundation design, drawings at his own cost.

3.9.2 The cement required shall be arranged by the contractor. (Please see the Special condition for use of cement)

3.9.3 The cement consumption for different types of concrete shall be considered as follows:

1:1.5:3 mix. – 8.6 Bags, per Cu. metre. (M 20)
1:2:4 mix. - 6.5 Bags, per Cu. metre. (M 15)
1:3:6 mix. - 4.5 Bags, per Cu. metre. (M 10)

3.9.4 The sand shall be of the best quality containing hard siliceous materials, clean and of sharp angular grit type and free from earth or organic matter or salts and to the satisfaction of the Engineer-in-Charge. The sand shall be washed before use. No saltish or brakish water shall be used for concreting.

3.9.5 The mixture of concrete to be used shall be such as to produce a sound, compact and water-proof concrete. The mixture shall not be weaker than the ratio to be prepared. The stone metal shall not be in size bigger than 40 m.m. The concrete for chimney shall be prepared with 20 mm stone metal and the concrete for pyramid/step/pad shall be prepared with 20 mm or 40 mm stone metal. The mixture shall be prepared using mixing machine only. It should also be free from grit and dirt. The concrete shall be mixed as stiff as required for placing the concrete in the form of moulds with ease and degree to which concrete resists segregation will permit. Hence, the quantity of water used should not be too much.

3.9.6 Proper form or moulds adequately braced to retain proper shape while concreting, should be used for chimney, pyramid and slab portions. Form boxes should be water tight so as not to allow cement cream to come out leaving only sand and gully to form honey combs in concrete. Form boxes should be cleaned and oiled before using for concreting.

3.9.7 All sub-merged locations must be kept completely dewatered both during the placing of concrete and for 24 hours after completion. There should be no disturbance of concrete by water during this period.

3.9.8 Form boxes should not be removed before 24 hours, after concreting. Concrete surfaces where required should be set right with rich cement and mortar after removal of the forms.

3.9.9 The Superintending Engineer (Trans), Navsari or Engineer appointed by him at his sole desecration may uncover any cast foundation to find out the workmanship of foundation. Contractor shall render necessary assistance during such fact finding operation and shall comply with the report of the investigating officer.

3.9.10 The tor steel bars required for RCC type foundation shall be procured by the contractor in advance to avoid delay in the work.

3.9.11 The contractor will be responsible for constructing the foundations in accordance with the design of each type of foundation supplied by the GETCO.

3.10 **CURING AND BACK-FILLING**:

3.10.1 After 24 hours of pouring, the concrete should be cured by keeping it continuously wet for 14 days. After 48 hours of pouring, the pit may be back filled with excavated selected earth (which is free from grass, dung, wooden waste, postures and fodder woods, shrubs, thorn etc.) sprinkled with necessary amount of water and well compressed and consolidated in layers not exceeding 150 mm. If the excavated soil consists of large boulders/stone, the same shall be broken to maximum size of
80 mm and mixed with soil to be back filled. At the locations where borrowed earth is required for back filling, this shall be done by the Contractor at his own cost, irrespective of transportation from any lead. There after, the exposed top end the fill shall be kept wet for the remainder of above prescribed curring period. The uncovered portion of concrete chimney above the back filled earth shall be kept wet by providing empty gunny bags fully wrapped around the concrete chimney for curing and ensure that the bags are kept wet by frequent pouring of water on them.

3.10.2 Extra ordinary care be taken during back-filling. The Contractor and The GETCO's Engineers at site shall ensure that back-filling is done in the manner referred above, so that back-filled earth becomes homogeneous with surrounding parent soil with the passage of the time.

3.10.3 The site engineer of the contractor shall record the day / date of curing, back- filling etc. and sign in the register for its correctness along with The GETCO's representative.

3.11 **PROTECTION OF TOWER FOOTING:/ 'H' FRAME FOOTING.**

3.11.1 The work shall include all necessary stone revetment, concreting and earth filling above ground level and the clearance from stacking on the site of all surplus excavated soil, special measures for protection of foundation close to or in nallas, river bed hilly/undulated terrain etc. by providing suitable revetment. The top seal cover of the stone revetment shall be done with M150 concrete (1:2:4 mix). The Contractor shall furnish in the profile itself the recommendations for providing protection at these locations wherever required. However, the work shall be executed as per approved drawings only.

3.11.2 The quantity of excavated earth obtained from a particular location shall generally be utilized in back filling work in protection of tower footing of same location, unless it is unsuitable for such purpose. In the later case, the back filling shall be done with borrowed earth of suitable quality irrespective of lead and the consolidation of earth shall also be done free of cost.

3.12 ERECTION OF TOWERS:

3.12.1 The super-structure of towers should be erected on foundations after 14 days of concreting. However, the method adopted for erection of tower is left to the discretion of the contractor subject to the condition that he takes responsibility for any damage to materials. No tower member should get strained or bent during erection. The towers must be truly vertical after erection and no straining would be allowed to bring it in alignment. Maximum tolerance in verticality that will be permitted is ONE mm per 360mm of tower height. The bolt head shall be on outside faces and nuts and washers on inside faces of the tower. All bolts & nuts shall be made fully tight and finally the bolt threads shall be centre punched to avoid nuts getting loose. Punching of bolts shall be made by chamfering the threads with centre punch atleast at three places equally spaced on contact surface of bolts and nuts.3.12.2 Complete tower erection shall include erection of all accessories like danger plate, number plate, phase plate, C.I. Plate, Anti-climbing devices and fittings including attachments like step bolts, ladders, platforms, 'U' bolts, shackles, hangers, strain plates etc.

3.12.3 Suitable tower extension shall be erected to get desired ground clearance whenever required, as determined at the time of survey and profiles.

3.12.4 To avoid pilferage of bolts and nuts and tower members, the bolts of the two bottom most panels (say upto 10 meters) shall be tack welded at three places on the nuts diametrically. The zinc rich paint shall be procured by the Contractor at his own cost and shall be applied immediately following the tack welding.

3.13 **GROUNDING**:

3.13.1 It is necessary that in no case, tower footing resistance should be more than 10 Ohms. during dry weather.

3.13.2 After erection of towers, the Contractor shall measure the footing resistance of each location and prepare the record for submission and approval of Engineer-in- Charge for deciding the type of grounding to be provided.

3.13.3 **Pipe Type Earthing:**

At locations where footing resistance does not exceed 10 Ohms., the pipe type earthing as per appended drawing shall be provided. The contractor will have to supply all the materials required for grounding like pipe, flat, bolt- nuts, salt, fine broken coke/charcoal etc. The earthing is to be done by making a bore hole for insertion of pipe away from the tower leg excavation line.

3.13.4 **Counterpoise Earthing:**

At locations, where footing resistance exceeds 10 Ohms, counterpoise earthing as per appended drawing shall be provided to bring down the tower footing resistance below 10 Ohms. The Contractor will have to supply all the materials required for grounding like lugs, G.I. wire, bolts, nuts etc. The counterpoise earthing shall be burried 600 mm below ground level.

3.13.5 The method for providing earthing shall be at the desecration of the Contractor.

3.13.6 The record of footing resistance shall be maintained in consultation with Engineer- in-Charge before and after providing of suitable earthing.

3.14 **INSULATOR HOISTING ON TOWERS / 'H' FRAME:**

3.14.1 Suspension insulator strings shall be used on all tangent type towers and tension insulator strings on all small, medium, large angle and dead end type tension towers. Technical particulars of insulator strings are appended herewith.

3.14.2 Insulators strings shall be assembled on ground. These shall be cleaned and examined for hair cracks, chips or defective glazing (not exceeding half centimeter square) and then hoisted by careful handling. The work will include fixings of all hardwares and fittings in their proper places and order.

3.15 **STRINGING ON TOWERS / 'H' FRAME:**

3.15.1 Before commencing of stringing work, contractor must obtain approval of sag tension charts (these shall have to be supplied by the contractor) showing final sags and tension for various temperature and spans. The stringing chart shall be prepared according to appended format only.

3.15.2 The Contractor shall be responsible and will take care of proper handling of drums from stores to site. Sufficient numbers of aluminum snatch blocks shall be used for paving out the ACSR/AAA Conductors. Necessary precautions shall be taken to avoid conductor rubbing on the ground by providing adequate ground roller, rollers on supports. Additional rollers shall also be provided to cross thorny hedges, footing and other obstructions to avoid scratching of conductor. The conductor and ground.wire shall be made to sag correctly as per stringing charts before they are finally transferred to the hardwares for conductors and to clamps for ground wire. No joint should b e made at less than 30 metres from the tower end and no joint shall be permitted in Railway, River, road and other important crossings spans. There shall not be more than one joint in a span of each conductor. The sag The GETCO, if used shall be adjusted to suit the sag indicated against actual temperature for an individual span. The thermometer shall be provided at the conductor point during the stringing work. Dynamometers shall be used in tensioning the conductors. All conductors shall be stressed to their maximum working load at the time of stringing, as per approved stringing charts.

3.15.3 The minimum clearance between the lowest point of conductor and ground shall not be less than required. All compression joints should be carefully made and a record of initial and final lengths of the joints jointly signed by Contractor's and The GETCO's representatives should be maintained. Check for sag should also be made at intervals when conductors are drawn up. Over stressing, causing damage to towers should be avoided. Care should be exercised not to over tension the conductor. An extra sag of 150 mm be allowed at all the important tension locations like Railway/River Crossings.

3.15.4 After being pulled the conductor/ground wire shall not be allowed to hang in the stringing sheaves for more than 72 hours, before being pulled to the specified sag. During the time the conductor / ground wire is on the stringing sheaves before sagging-in, it shall be ensured that the conductor / ground wire is not damaged due to wind, vibration, vehicles or other causes. Scaffolding should be used to cross the important roads and Railway Crossing for minimum interruption to traffic.

3.15.5 The conductor shall be pulled upto desired sag and left in serial stringing sheaves for at least one hour after which the sag shall be rechecked and adjusted, if necessary, before clipping in and transferring the conductors from the serial stringing sheaves to the suspension clamps.

3.15.6 Conductor shall be clamped within 24 hours of sagging. The sag will be checked in the larger spans of the section in case of sections upto eight spans and in one intermediate larger span also for section with more than eight spans.

3.15.7 The stringing sheaves, when suspended on the transmission structure for sagging, shall be so adjusted that the conductor will be on the sheaves at the same height as the suspension clamp to which it is to be secured.

3.15.8 The stringing of the ground wire shall be done in accordance with the stringing charts approved by the GETCO. The ground wire shall be strung to run continuously over the conductors. The ground wire shall be pulled, sagged and clamped-in from tension tower to tension tower before the phase conductors are pulled in that section.

3.15.9 All the line conductors shall be terminated at sub-station structures whose details shall be furnished by the GETCO at the appropriate time. The contractor shall fix strain insulators on the sub-station structures.

3.15.10 Armour rods and vibration dampers shall be fitted at each suspension tower before final clamping of conductor with Insulator strings. Vibration damper shall be fitted at each tension tower after final clamping of conductor with insulator strings. Vibration dampers are to be fixed using aluminium tape with each clamping bolt and in correct vertical position in relation to conductor. Compression type joints are to be used for jointing of conductors. Each part connected with joints shall be perfectly cleaned by wire brush and properly greased before final compression. All the joints of conductors and earth wire shall be made in the best workmanship manner and shall be perfectly straight and having maximum possible strength.

3.15.11 Proper guys shall be provided to counter balance the paving out tension of conductor/ ground wire at the tension locations, to avoid damage to towers and/or accident.

3.15.12 Stringing work shall mean, the activities of fixing of insulator and insulator hardwares, paving, jointing, tensioning, clamping with armour-rod, providing dampers, repairing of conductors (if any) and fixing the conductor at tension hardwares etc. De-stringing work is the part of this contract. It includes de- clamping of the existing conductor / earth wire grounding of insulator string earth wire / conductor and depositing the same in the GETCO`s store.

3.16 **TESTING AND COMMISSIONING**:

3.16.1 The Contractor after completion of erection work will ensure that all works connected with line have been completed. These works shall be done correctly as per Indian Electricity Rules and Procedures. Any extra cost involved due to incompleteness of work or bad workmanship found out subsequently shall be set right forth with by the Contractor at his cost.

3.16.2 After the erection is completed in all respects, the line should be thoroughly patrolled and checked for continuity and clearances. The line should be meggered to check its insulation level. Afterwards a written confirmation should be given to the Engineer-in-Charge that the men, materials, tools and earthings (if any) are removed and the line is safe for charging. On charging the line, if it does not hold and trips, the contractor should arrange to patrol the line and find out the causes for the tripping and rectify the defect at no extra cost to the GETCO.

3.17 **HANDING OVER OF LINE DOCUMENTS**:

3.17.1 On completion of all erection activities, the contractor has to furnish following informations along with technical details to concerned Engineer-in-Charge of the work in triplicate duly bound: -

a. Approved surveyed route with permanent marks, (To be obtained from the GETCO)
b. Approved copy of profiles with tower schedule, (To be obtained from the GETCO except for portion where any change is approved)
c. Location wise soil strata details of each pit excavated, type of foundation executed, volumes of excavation & concrete and RCC steel weights,
d. Details of revetment, retaining walls, etc., work done for protection of tower footing and their approved drawing copies,
e. Approved copies of stringing charts,
f. Value of tower footing resistance before & after providing earthing and type of earthing executed,
g. Details of spans and phase where mid span joint, repair sleeve used,
h. Location wise type and numbers of insulators, insulator hardwares, earthwire hardwares, conductor accessories, etc., provided,
i. Separate detail of each crossing like road, river, railway, power line, P&T Line, etc and details of clearance as per Indian Electricity Rules.

3.18 GENERAL:

3.18.1 The Contractor shall ensure that at the end of each sub-activity the surplus materials are immediately removed from the work-site to avoid loss and injury to the public.

3.18.2 The Contractor has to return all surplus materials after reconciliation of material account in good and useable condition and settle final bill including signature in all relevant papers required for passing of final bill within three months from the date of charging / commissioning of line.

3.18.3 The contractor has to return empty Conductor / Earth wire Drums if it is Steel Drum. For wooden Drums, contractor has not to return the empty Conductor/Earth wire Drums for the conductor/ E.W used for this line.

Signature of Contractor

Superintending Engineer GETCO,
CO, Navsari

Penalty Clause:

Penalty:

1. In case if any safety related fatal Elect. / Mech. 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 shall be penalized as under:

2.

Sr. No	Amount of Contract in Rs.	Penalty amount
1	Up to Rs.1 Lac	Rs.5000/- + GST
2	Above 1 Lac to Rs. 10 Lacs	Rs.40000/- +GST
3	10 to - Rs. 100 Lacs	Rs.100,000/- + GST
4	Rs. 100 Lacs	1.0 % + GST

3. Reporting

2.1 The contractor shall inform concerned Ex. Engineer Const/TR in writing within 24 hours of fatal/Non-fatal accident occurred to human being.

2.2 The GETCO investigating officer findings in to accident shall be final and binding to the contractor /Agency.

4. Safety Requirement:

3.1 Kick off Meeting exclusively for safety shall be done in each contract in presence of contractor's site in charge and supervisor. Safety document shall be handed over and vital safety norms and key points of safety related to project shall be explained and recorded for commitment by erection contractor.

Such records are mandatory for clearing first erection bill.

3.2 During site visit by GETCO official of Executive Engineer and above rank, the following checks during execution of work shall be covered.

3.21 Safety equipments available and utilize. (a) Helmet.

(b) Safety belt. (c) Safety shoes.

(d) Live line Voltage detector

3.22 Safety procedure adopted.

(a) Permit to work

(b) Earthing at the place of work. (c) Adequate supervision.

3.23 T & P physical Check. (Healthiness and Quality)

(a) P.P.rope.

(b) Wire rope and sling. (c) Earthing rod

3.2 If above-mentioned safety requirements found violated in any of the above three conditions shall attract penalty of Rs.1000/-per occasion. (Max.Rs.3000/--for violation of three conditions) During subsequent visit, if violation is found, then double penalty shall be deducted from the bill of the Contractor/Agency.

Signature of Contractor

Superintending Engineer GETCO, CO, Navsari

Safety Instruction for Contractors:

Following safety guidelines are mandatory for all contractors operating in GETCO premises /on transmission lines for Electrical, non-electrical & civil works.

1. The contractors must provide advance planning of work to concerned in-charge of substation in writing.
2. The list of workers/ lab ours with name and address must be given to S/s In charge prior to commencement of work by the contractor.
3. The copy of group insurance policy with list of name of workers covered.
4. The list of T&P and safety equipment (PPE) having tested and checked by GETCO officials at site.
5. The working procedure must be specified with timings of working hours indicating tea break & lunch break period.
6. Before starting any work whether switch yard, on line or in colony "permit to allow to work" must be taken from control room in-charge.
7. Utilizing Electrical/non- electrical equipments, safety rules must be implemented.
8. All workers /labour & supervisors must use safety equipments (PPE) during the work.
9. If the work is to be carried out on Sunday or public holiday the necessary permission must be taken in advance, requesting in writing.
10. Unwanted person including children of labours will not be allowed at working site/ in the switchyard and in the prohibited area.
11. Any electrical work or electrical connections to equipment for any other work must be carried out by certified electrician/wiremen with adequate size of wire through MCB per I.E. Rule. Ensure that all precautions are taken to prevent electrical accident, & the installation /connection is certified by Engineer in-charge.
12. No work should be done during night hours unless & until it is required under certain circumstances with the approval next higher authority and all necessary arrangement of adequate lighting with safety precautions is made.
13. Joint checking of line by In-charge, contractor & supervisor prior to commencement of work of any electrical/non-electrical work.
14. Any power line crossing, river crossing & railway crossing or any other hazards must be discussed with workers by contractor in presence of Engineer in-charge.
15. Contractors must submit list of workers with name, qualification and experience who are engaged for line maintenance/rectification job.
16. Line clear permit must be taken on power line crossing or passing nearby for safety of workers. This must be ensured by GETCO supervisor/in-charge of substation before starting the work.
17. Contractors must arrange for Shelter and drinking water facility for the labours /workers engaged with the permission of S/s in charge.
18. The method of work, required T&P and manpower should be discussed between GETCO supervisor, contractor's supervisor and gang leaders.
19. Prior to execution of work a joint survey must be conducted by GETCO supervisor, contractor's supervisor and DISCOM line man in order to identity the following.

DETAILED SPECIFICATION FOR ERECTION OF 66KV 'H' FRAME TRANSMISSION LINE:

1. The Contractor has to collect all fabricated materials of 'H' Frame like bracing angle, channel cross arm, guy set Girder pole etc. from the GETCO's Navsari store by making his own arrangement without damaging the any materials and to be kept in contractor's site store duly stacked position to check the materials by The GETCO's Supervisor.

2. This includes the Excavation of pit in any type of soil for erection of Girder Pole and Guy Sets as per drawings.

3. Assembly of Line 'H' frame structures as per drawing by using proper size of bolts and nuts as per drawing, duly tightened and aligned properly in erection condition. Require size of bolts and nuts to be procured by Contractor (at his cost) to be approved by Engineer in charge.

4. The 'H' frame structure must be painted with cost of anti-corrosive red oxide paint by cleaning the rest from all members and painting with two coats of Aluminium paint to paint to entire structure.

5. Concrete of structures and guys. All materials for concrete to be provided by Contractor including cement.

6. Stringing of Conductor: This includes collection of conductor drums from The GETCO's Store to site without damaging the conductor, jointing, fixing of Insulators, tensioning, clamping with tension Hardware, fittings of suspension Hardware, armour roads, Vibration dampers, jumpers and making through the line by using tension meter.

7. Earthing of Structures: -The girder pole is to be earthed with separate earth pit provided in center of the structure as per standard drawing. All bolts nuts must be properly tightened to avoid loose earthing. The contractor has to submit earth resistance value of all earthing pit on completion of Line work.
   The contractor has to supply and provide Enameled type Danger and Number plate on each location while enameled phase on important locations as decided by Engineer in charge.

8. Anti climbing device as per the approved drawing is to be supplied and provided on each location.

9. The Contractor has to give guarantee for safe charging of the line and if any points raised by the Electrical Inspector is to be solved and rectified without any extra cost. It will be full responsibility to hand over the line to the concerned by attending the points raised by Transmission Division.

10. ROUTE OF THE LINE: -
    The proposed route of the line is roughly shown in the drawing available in the office of the Executive Engineer, Const. Division, Navsari. However, the actual execution of work is to be done as may be instructed by the Engineer in charge of the work considering the site requirements.
    For marking the position of location, if any space is required to be cleaned or leveled, same shall be done by the contractor.

Special Conditions for use of Cement in Work:

1) The rates in Schedule-'B' are inclusive of cement cost. Contractor has to purchase fresh 43 grade cement confirming to as per IS 8112 and of approved brand by G.E.B.
2) Contractor has to construct pakka godown at site of work so that cement bags can be properly preserved to avoid damage due to any kind of water.
3) Contractor has to bring sufficient quantities of cement bags to maintain progress of work. The work should not suffer for want of cement stock.
4) Cement should give the required strength of cement concrete.
5) To bring sufficient and timely cement at site is a responsibility of contractor. Nothing extra will be paid on account of any reason to maintain progress of work and to complete the work in scheduled time.
6) Contractor has to submit material A/c for consumption of cement used with every bills. In case of not submitting the same, bill will not be passed. Party has to submit the copy of cement / purchase bill along with each RA Bill/Final Bill.
7) No negative variation will be allowed for consumption in cement then prescribed as per booklet of technical specification of The GETCO/mix design and nothing will be paid extra for over consumption.
8) Contractor is fully responsible for safety of cement at site; nothing will be paid extra on account of safety.
9) If The GETCO's authorized representative wants to check cement stock at site, contractor has to allow for the same at any time.
10) Contractor has to maintain day to day cement consumption/balance account at site.
11) As far as possible, contractor has to maintain supply of cement of only one brand and grade through out the work and on account of closer/shortage of approved brand, cement of other brand in accordance of condition no. (1) will be allowed by Engineer-In-Charge.
12) Minimum cement consumption considered for cement concrete. a.
    1:1.5:3 Ratio – 8.6 Bags per CMT (M 20)
    b. 1:2:4 Ratio – 6.5 Bags per CMT (M 15)
    c. 1:3:6 Ratio – 4.5 Bags per CMT (M 10)

Contractor has to use minimum cement as above. Contractor should not use less than the prescribed quantities of cement even in the case of mix design recommends lower quantity.

13) Contractor will be allowed to carry out work only after physical verification of cement brought at site.
The rates indicated in schedule for concrete work shall be applicable to all the locations irrespective of soil strata and type of foundation adopted.

14) The Contractor shall have to procured cement by purchasing from the open market according to line requirement and keep sufficient quantities to avoid delay in work. Same quantity of cement is to be utilized from his own stock. Account of cement utilized at each location dully certified by concerned The GETCO's supervisor and engineer in charge of work. The account is required to be maintain and submitted with each R.A. Bill. No payment shall be made toward cost of cement bags utilized in each running bills without submission of cement consumption details. No wastage is permitted as same is to be procured by the contractor at his own cost from the authorized dealer approved by the GETCO. No wastages toward cement is permitted.

15) The tor steel bars required for RCC type foundation shall be procured by the Contractor in advance to avoid delay in the work.

16) No wastage is permitted for reinforcement steel and as reinforcement steel is to be procured by the contractor at his own cost. No over lapping of RCC is permitted in foundation work.

17) The GETCO reserves right to test the quality of steel and cement procured by the Contractor at any Govt. recognized Laboratory and intended to be used for the tower foundation works. The test results shall be binding to the Contractor.

Signature of Contractor

Superintending Engineer GETCO, CO, Navsari

SECTION – IV PART – A

SCHEDULE – 1

MATERIAL S

Following material will be supplied by GETCO "free of cost" for erection of transmission line:

1) Towers, stubs, templates, tower accessories, bolts-nuts etc./ 'H' Frame material

2) Conductor, conductor accessories, earthwire, earthwire accessories.

3) Insulators, insulator hardwares.

Following materials / equipments will be procured / arranged by the contractor for erection of transmission line.

1) Tor steel bars required for reinforcement.
2) Cement.
3) Barbed wire.

4) Earthing sets.

5) Zinc rich paint.

6) Various plates namely DP / NP / PP / CIP.

7) Other materials and tools-tackles required for erection activities like survey, foundations, tower erection and stringing.

8) Hydraulic clamping compressor machine

SECTION – IV PART – A

SCHEDULE – 2

STORE CENTRES

Line materials will be issued from following Store Centers:

Sr.No.	Name of Work	Store Centers for issue of line materials.
1	**Erection of 66 kV D/C Jamanpada - Rajpuri Talat line on D/C and M/C tower with ACSR Panther conductor.**	Division (Const.) Store Vav/Haldarwa/Kim

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

Signature of Contractor

Superintending Engineer GETCO, CO, Navsari

Seal of the firm

Signature of the Tenderer

CONTRACT AGREEMENT

(On Non judicial stamp paper of Rs. 300)

Name of Work: - Erection of 66 kV D/C Jamanpada - Rajpuri Talat line on D/C and M/C tower with ACSR Panther conductor.

LOI No. _____

Contractor Name: -

Work Order Amount of ₹

This Agreement is made at NAVSARI the in the Christian Year Two Thousand Twenty Four between **M/s** and G.E.T.C.O (here in after 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 Registered Head office at Sardar Patel Vidyut Bhavan, Race Course, Baroda 390 007 (here in after 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 afore said contractors for **" Erection of 66 kV D/C Jamanpada - Rajpuri Talat line on D/C and M/C tower with ACSR Panther conductor...** "as per the GETCO's Letter of Intent No. **Date:-** here in after 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 **M/s** on behalf of the contractors and by **Superintending engineer, Navsari** on behalf of the GETCO, a list whereof is made out in the Schedule here under written and all of which said documents are deemed to form part of this contract and Included in the expression "The works" wherever here in used, upon the terms and subject to the conditions here in after mentioned.

AND WHEREAS THE GETCO has accepted the tender of contractors for the execution of the said works for the sum of ₹ Rupees upon the terms and subject to the conditions here in mentioned.

NOW THIS AGREEMENT WITNESSESS AND IT IS HERE BY 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 afore said the Board both 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 what so ever 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 Letter of intent No. **Date:-** . The contract value, extent of supply & Civil / 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.

Seal & Signature of Bidder

SCHEDULE

List of documents forming part of the contract:

1. GETCO's Tender Specification No. **TCNS-ETP-52-2026 ID -** **and** contractor's offer opened on dated
2. GETCO LOI / order No. **Date: -**
3. Contractor's acceptance of order vides letter no. NIL.
4. 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.

- Signed, sealed and delivered by:

  M/s

  Cell: - , E-mail: -

- Witnessed by:

  1. _____.

  2. _____.

- For and on behalf of GETCO Ltd.:

Deputy Engineer (Tech-II & CMG Projects)	**Superintending Engineer**
GETCO, Circle office, Navsari	**GETCO, Circle office, Navsari**

NOTE : 1) Copies of all documents forming part of the contract and listed in schedule (from tender invitation to A/T and parties acceptance letter thereof) be sealed and signed by the authorised signatory of the firm be submitted with the agreement.

2) Attested copy of resolution of the Partners / The GETCO / Power of Attorney acceptable by law authorising particular person to sign on behalf of firm be invariably enclosed along with submission of Agreement.

Seal & Signature of Bidder

SECTION – IV PART – B
SCHEDULE – 2

BANK's
UNDERTAKING
(Non Judicial Stamp Paper of Rs. 300/-)

BANK GUARANTEE NO : _____
We (Name of issuing bank, branch & address) hereby agree unequivocally and unconditionally to pay immediately on demand in writing from the Gujarat Energy Transmission Corporation Ltd or any Office authorised by it in this behalf, any amount up to and not exceeding Rs. _____ (Rupee _____) to the said s

Gujarat Energy Transmission Corporation Ltd on behalf of M/s. _____ (name of

The GETCO's contractor) _____ who have entered into a contract for the supply/works specified below:

A/T No. _____ dt. _____ for supply/works of _____ (name of work) _____

This Agreement shall be valid and binding on this Bank up to and inclusive of _____ (Date _____) _____ and shall not be terminable by notice or by change

in the constitution of the Bank or the Firm of contractors/Suppliers or by any other reasons whatsoever and our liability here under shall not be impaired or discharged by any extension of time or variations or alterations made, given, conceded or agreed with or without our knowledge or consent, by or between parties to the said within written contract.

NOTWITHSTANDING anything contained herein before our liability under this Guarantee shall be restricted to Rs. _____ (Rupees _____

_____ only(in words).The Guarantee shall remain in force until _____ (Date of validity of the Guarantee). Unless demands or claims under this Bank Guarantee are made to us in writing on or before _____ (date should be one month

after the above validity period of BG), all rights of Beneficiary under the Bank Guarantee shall be forfeited and we shall be released and discharged from all liabilities there under.

PLACE
: DATE:

Round seal and Signatures of
two Aauthorized Bank Officers
along with their code numbe

(Signature)

Seal & Signature of Bidder

SECTION – IV
PART – B
SCHEDULE – 4

DAY-TO-DAY PROGRESS REGISTER

Name of LINE:
A/T No._____ Date: _____

Sr. No.	Activity	Unit	Today Wor	Materials utilized	Remarks
1	2	3	4	5	6
1.	Foundation	Nos.			
	a) Excavation	Cu.m.			
	b) Concrete	"			
	c) RCC Steel	M			
	d) Stubs	M			
2.	Tower Erection/ 'H' frame erection	Nos.			
	a) Super Structure	M			
	b) 3 Mtr. Extension	M			
	c) 6 Mtr. Extension	M			
	d) 9 Mtr. Extension	M			
	e) 12 Mtr. Extension	M			
	f) Special Tower	M			
3.	Stringing	K			
	a) Conductor	K			
	b) Earthwire	K			
4.	Any Other Activity				
	a) Benching/ground cutting	Cu.m.			
	b) Revetment	Cu.m.			
	c) Providing ACD	No.			
	d) Providing Accessories	No.			
	e) Tack welding (Per Tower)	Nos.			

Seal & Signature of Bidder

SECTION – IV

PART – B SCHEDULE – 5

PROGRESS
REPORT

Details of progress achieved during I / II fortnight to Month _____

A/T No. & Date _____

Name of Line _____

Sr. No.	Erection Activity	Unit	Total Work Involved	Work done upto last fortnight	Work done during	Total work done upto this report	Balance work to be done	Remark
1	2	3	4	5	6	7	8	9

Details of work done quantities:

Details of work done (activity wise, location wise) :

0Signature of Authorised Representative
Company /
Agency
NAME: _____
STATUS: _____
Name of tendering
Compan
y

Seal & Signature of Bidder

SECTION – IV PART – B

SCHEDULE – 6

SAG – TENSION (STRINGING)
CHART

Sag and Tension Chart suitable for _____Conductor / Earth wire

Name of Line :

Order No.

Loc. No. From To	Indiv. Span	Equiv. Span	T/S	Tension /Sag Values at temperature Deg. C									
				Min	02	04	06	08	10 ---------- 67^{U}C				
1	2	3	4	5	6	7	8	9	10	11	12		

Remark :- Prior approval be obtain before commencing the stringing work from Head Office for sag tension (Stringing) chart.

Signature of Authorised Representative
Company / Agency
NAME: _____
STATUS: _____
Name of tendering Company

SECTION – IV

PART – B

SCHEDULE - 7

MATERIAL ACCOUNT

(STATEMENT TO BE ATTACHED WITH MONTHLY RUNNING

ACCOUNT BILLS)

1) Statement giving item wise details of monthly receipt of line material from GETCO and consumption for erection of line for the Month of _____.

2) A/T No. & Date : _____.

3) Name of Line : _____

Sr. No.	Items	Prov. Requ - irmen	Receipt of Material from GETCO			Consumption of Material in Line			Actual wastage	Balance quantity of material in stock
			Qty. rcvd. Upto last month	Qty. rcvd. This month	Qty. rcvd. Till this month	Qty. utilised upto last mont	Qty. utilised this month	Qty. utilised till this month		
1	2	3	4	5	6	7	8	9	10	11

Signature of Authorized Representative
Company / Agency
NAME: _____
STATUS: _____
Name of tendering Company

SCHEDULE – 8

(TO BE SUBMITTED ON THE LETTER HEAD OF THE FIRM)

Reference No. Date:

To,
The Superintending Engineer
Gujarat Energy Transmission Corporation Ltd
TRANSMISSION CIRCLE
P. O. Maktampur,
NAVSARI-392 012

Sub:_____

Ref: A/T No. _____

We hereby acknowledge, agree and accept your A/T under reference above with the terms and conditions mentioned therein.

Signature of Authorised Representative
Company /
Agency

NAME: _____

DESIGNATION: _____

Note : To be signed by authorised person on behalf of the Firm.

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, **M/s** by this SAFETY CUM INDEMNITY BOND Executed on this I/We Having Registered Office at **At.Po.** **0** (here in after called "THE CONTRACTOR" which expression shall mean and includes my/our heirs, executors, administrators and legal representatives, successors and permitted assigns) do here by binds myself/ourselves and also our company / firms after having the power to bind by this promise and undertaking in favor of the Gujarat Energy Transmission Corporation Limited (GETCO), Vadodara State Transmission Utility under The Electricity Act,2003 having its registered office at Sardar Patel Vidyut Bhavan, Racecourse, Vadodara. (Here in after 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. **Date:** made between **GETCO** and**, M/s** for the contract of the **"** **.. "** value of ₹ inter alia 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 ₹ 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. **Date:** for **M/s** issued by the GETCO after having observing necessary formalities, the details of which is described in the order no. **Date:** 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 guide lines 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

Seal & Signature of Bidder

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→ 1Lac	Rs.5000/- + GST Extra
2	Above 1Lac to → 10Lacs	Rs.40000/- + GST Extra
3	10 to 100 Lacs	Rs.100,000/- + GST Extra
4	>100 Lacs	1.0 % of contract value

g. I / We the CONTRACTOR hereby confirm that incase 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 here to 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.

j. GST as applicable on Penalty amount shall be borne by the contractor and the contractor agrees to pay/ reimburse the same. (TO BE INCORPORATEDIN SAFETY CUMINDEMNITY BOND)

- Signed, sealed and delivered by:

  M/s

  Cell:- , E-mail:-

- Witnessed by:

  3. _____.

  4. _____.

- For and on behalf of GETCO Ltd.:

Deputy Engineer (Tech-II & CMG Projects)
GETCO, Circle office, Navsari

Superintending Engineer
GETCO, Circle office, Navs

Seal & Signature of Bidder

INDEMNITY BOND

(On Non-Judicial Stamp paper of value not less than Rs. 300.00)

KNOW ALL MEN BY THESE PRESENTS that we, **M/s** Here in after 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 steel cement and other materials supplied by the GETCO under the terms and conditions of contract no. **Date:** 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 our site store for " **"**

."

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 cement, steel or 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

Cell:- , E-mail:- (Signature of contractor/Witness)

(Seal of Firm)

- Witnessed by:

1. _____.

2 _____.

For and on behalf of GETCO Ltd.:

Deputy Engineer (Tech-II & CMG Projects)
GETCO, Circle office, Navsari

Superintending Engineer
GETCO, Circle office, Navsari

Seal & Signature of Bidder

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 as 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	**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. → Clearly identify the work location, to distinguish between the equipment that is dead and other equipment / part that may be live. →Disconnect equipment from supply. →Protect against other live parts. →Take special precautions when close to bare conductors / Bus bar.	Prior to execution of work a joint survey must be conducted by GETCO supervisor, contractor's supervisor and DISCOM line man in order to identify the following: a. HT/LT line or tap line crossing under each span of line of the work. 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 equipments, 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 labors 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 work must be carried out by certified electrician/wiremen with adequate size of wire through MCB as per I.E. Rule. o Live penal area / bus bar must be isolated and sealed / bifurcated with red color tape for visible warning. O Display Board must hang on LCP panel. o 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	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. While execution of stringing work, the identified line crossing must be isolated / de-energized and written clearance should be obtained from concerned DISCOM supervisor. The isolation of Tap line must be physically seen and verified by Contractor and GETCO supervisor. At D.O. fuse junction contractor's person should be posted to ensure that no person restore D.O. supply while work is under execution Contractor's supervisor must ensure that concern officer take LCP for EHV line and power line crossing.

never erection activity has any connection and disconnection work of bus bar, string bus.	
All workers / labor 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	All workers / labor 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 breakers 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 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 points, local, left & right side of bus bar / string bus. 3) Match line color code with color 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 – IV

PART – C

SCHEDULE – 1

DETAILS OF REPRESENTATIVE

Details of Human Resources available with the bidder for the successful performance of contract.

Name of the Bidder: _____

Sr. No.	Designation	Name	Qualification	Professional experience & details of work carried out	Remarks
	2				
	Project Manager				
1	Engineer-in-Charge of site work. 3	4		5	6
1)	Site Engineer				
2)	Number of Skilled Employees.				
3)	Number of unskilled Employees. (Only Nos.)				
4)					
5)	(Only Nos.)				

Signature of Authorised Representative
Company / Agency
NAME: _____
STATUS: _____
Name of tendering Company

Signature of Contractor

Superintending Engineer GETCO, CO, Navsari

SECTION – IV PART – C
SCHEDULE – 2

Details of plant and equipment available on hand with the bidder for use on this work.
Name of the Bidder: _____

Sr. No.	Name of	No. of Units	Kind & mak	Capacity	Age &	Present Location	Remarks
1	2	3	4	5	6	7	8

Signature of Authorised Representative
Company / Agency
NAME: _____
STATUS: _____
Name of tendering Company

Signature of Contractor

Superintending Engineer GETCO, CO, Navsari

Seal & Signature of Bidder

SECTION – IV PART – C
SCHEDULE – 3

Details of erection orders executed by the bidder of various Transmission lines.
Period: (During last THREE Years.)

ERECTION OF TRANSMISSION LINE ON TOWERS UPTO & ABOVE 132KV CLASS ONLY.

Sr. No.	Order No./Date	Description of work	Order Qty.	Order Amount	Name of Order placing authority
1	2	3	4	5	6

Completion date as per order	Date of commencement of	Date of actual completion of wor
7	8	9

Note: -**Work order & Certificate for satisfactory work completion from competent authority of The GETCO/ organization who placed the order should be invariably attached with this schedule.**

Signature of Authorized Representative
Company / Agency
NAME: _____
STATUS: _____
Name of tendering Company

Signature of Contractor

Superintending Engineer GETCO, CO, Navsari

SECTION – IV PART – C
SCHEDULE – 4

FINANCIAL CAPABILITY

Sr. No.	Details	Amount Rs. In lacs	Remark
1	**2**	**3**	**4**
1.	Solvency		**A Scheduled Banker's Certificate of present solvency be attached.**
2.	Annual turnover for last three years.		
3.	Price of the biggest job carried out.		

Signature of Authorised Representative
Company / Agency
NAME: _____
STATUS: _____
Name of tendering Company

Signature of Contractor

Superintending Engineer GETCO, CO, Navsari

SECTION –IV

PART –C
SCHEDULE-5

ERECTION
CAPACITY:

Based on available men power, tools-tackles, machinery and financial resources, our erection capacity is as under:

Sr. No.	Name of activity	Unit	Capacity per Annum	No. of Persons per gang.
1	2	3	4	5
1.	Preliminary and check Survey including profiles.	Km.		
2.	Foundation a)	Nos.		
	b)	Cu.M.		
3.	Tower erection	Nos.		
4.	Stringing	Km.		

Signature of Authorised Representative
Company / Agency
NAME: _____
STATUS: _____
Name of tendering Company

Signature of Contractor

Superintending Engineer GETCO
CO, Navsari

SECTION – IV
PART –C
SCHEDULE-6

Latest income Tax Clearance Certificate

LATEST INCOME – TAX CLEARANCE CERTIFICATE
SECTION – IV PART – C
SCHEDULE – 7

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

BG Draft

NON JUDICIAL STAMP PAPER OF RS. 300/- (Stamp Paper Validity Six Months):

To,
The Superintending Engineer
Gujarat-Energy. Transmission Corporation Ltd
Transmission Circle Office,
Kabilpore,
Navsari-396427

BG. No.
Issue Date
Expiry Date
Amount

[Combined Performance Guarantee (PBG) towards Execution Period and Guarantee / Warranty Period as per Commercial Terms and Condition of Tender]

We, _____ (Name of the Bank and Address of the Branch giving the Bank Guarantee) having our registered office at _____ (Address of Bank's Registered office) hereby give this Bank Guarantee Number _____ dated _____ and hereby agree unequivocally and unconditionally to pay immediately on demand in writing from the Gujarat Energy Transmission Corporation Limited, or any Officer authorized by it in this behalf any amount up to and not exceeding Rs._____ (Amount of combined Performance Guarantees towards Execution / Supply Period and Guarantee / Warranty Period) (Rupees _____ (in words) to the said Gujarat Energy Transmission Corporation Limited, on behalf of M/s_____ who have entered into a contract for the supply/works specified below :
L.O.I No._____ dated _____

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

Notwithstanding anything contrary contained in any law for the time being in force or banking practice, this Guarantee shall not be assignable, transferable by the Gujarat Energy Transmission Corporation Limited. Notice or invocation by any person such as assignee, transferee or agent of beneficiary shall not be entertained by the Bank. Any invocation of the Guarantee can be made only by the beneficiary directly

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

Place:

Date:

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

Seal & Signature of Bidder

NAME OF DESIGNATED BANKS:

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. Bank Guarantee number 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 with name & sign code should be affixed on every B/G paper.

SECTION – IV PART – C
SCHEDULE – 8

DETAILS OF PARTNERS / DIRECTORS WITH THEIR ADDRESS

Name of bidder: _____

_____

Sr. No.	Designation	Name	Residence (address)	Working Place
1	**2**	**3**	**4**	**5**
1)				
2)				
3)				

Signature of Authorised Representative
Company / Agency
NAME: _____
STATUS: _____
Name of tendering Company

Signature of Contractor

Superintending Engineer GETCO, CO, Navsari

SECTION – E IV PART – C
SCHEDULE – 9

MEMORANDOM / ARTICLE OF ASSOCIATION OR

CONSTITUTION OF FIRM WITH THE NAMES OF PARTNERS / DIRECTORS.

SECTION – IV

PART – C SCHEDULE – 10

ATTESTED COPY OF RESOLUTION OF THE PARTNERS / THE GETCO / AUTHORITY ACCEPTABLE BY LAW OF THE FIRM AUTHORISING A PARTICULAR PERSON TO SIGN TENDER AND RELATED DOCUMENTS ON BEHALF OF THE COMPANY.

SECTION – IV PART – C
SCHEDULE – 1

ANNEXURE-14

(UNDERTAKING IN REGARD TO STOP DEAL / BANNED FOR BUSINESS DEALING/BLACK LIST THEREOF)

Sub: Undertaking in regard to stop Deal/Banned for Business dealing/Black list thereof.

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

I/We _____ authorized signatory of

M/s _____

_____hereby certify that M/s _____and their proprietor/any partner/and directors of the firm is not stop deal and/or banned for Business dealing and/or black listed by GUVNL and/or their any subsidiary company viz. GSECL/ GETCO / DGVCL / MGVCL / UGVCL / PGVCL.

Seal & Signature of Bidder

GETCO

TRANSMISSION CIRCLE,

NAVSARI

TENDER NO: - TCNS-ETP-52-2026

Subject: - Erection of 66 kV D/C Jamanpada - Rajpuri Talat line on D/C and M/C tower with ACSR Panther conductor.

Estimated Cost: - Rs. 26660093.00

EMD Cost: - Rs. 266601.00

Price of Tender: - Rs. 8850.00 (Including 18% GST)

Time Limit: - 03 Months

(PRICE BID)

Schedule-B					
Erection of 66 kV D/C Jamanpada - Rajpuri Talat line on D/C and M/C tower with ACSR Panther conductor					
Sr No	**Description**	**Unit**	**Qty.**	**Rate**	**Amount**
1	The work of detail survey, preparation and submission of profiles in 6 copies (PLSCAD as well as hardcopy), [SOR Part- A-2] Detail scope of Work :- (a) Fixing of tower as per actual requirement, site condition and plotting of line on profile having standard details i.e. span length, lat-long (co-ordinate), chainage, weight and wind span, all dimensions, scale, legends, tower spotting data etc. as per requirement and along with all require details. (c) Preparation and submission of tower schedule as per standard require details with all the Major - Minor crossing details in profile drawing and tower schedule, along with due care of clearance as per prevailing standards i.e., for all electric line with pole, all type of track, river, pond, nala, road, canal etc. (d) Details of Right of Way in profile drawing. i.e. Building, Temple, Well etc. (g) Plotting line on TIKKA-MAP (Revenue Land map) - Required TIKKA-MAP will be provided by GETCO. Importantly, any work other than mentioned will align with the specific requirements outlined by the Engineer-in-Charge. Note : The survey report will be submit with sign and stamp of the surveyor agency and engineer in charge. **(SOR PART -A- 1)**	KM	5.00	10222	51110.00
2	Check Survey along with plotting of line route on village (tika) map with Coordinates including detailed survey, preparation of profiles and revision in original route alignment, if any and as per instruction of EIC. **(SOR PART -A- 3)**	KM	5.00	9277	46385.00
	Excavation excluding back filling ,but including shoring, shuttering, dewatering,tree cutting for tower footings etc. for:				0.00
3	a) Normal soil either dry or wet /sandy soil **(SOR PART -A- 4a)**	Cum	20.0	307	6140.00
4	b) Black cotton soil either dry or wet **(SOR PART -A- 4b)**	Cum	4600.0	614	2824400.00
5	c) Normal submerged / marine soil where dewatering is necessary. **(SOR PART -A- 4c)**	Cum	0.0	484	0.00
6	d)Black cotton submerged /marine soil where dewatering is necessary . **(SOR PART -A- 4 d)**	Cum	1500.0	703	1054500.00
7	e)Soft Rock **(SOR PART -A- 4 e)**	Cum	15.0	1066	15990.00
8	f)Hard Rock **(SOR PART -A- 4 f)**	Cum	20.0	2212	44240.00
9	Installation of steel reinforcement in concrete foundation including supply of M.S. bars ,binding wire & their cutting , bending, binding and laying in position asper drawing. **(SOR PART -A- 5)**	MT	63.5	99900	6343650.00
10	Stub settinng including back filling but excluding excavation and concreting etc for all types of towers /extensions except special towers. (Weight of stub,cleat& template with Bolt &	MT	22.0	8206	180532.00

	bnuts of stub & template shall be counted.)(upto 6 Mtr Extn) **(SOR PART -A- 6)**				
11	Stub settinng including back filling but excluding excavation and concreting etc for all types of towers /extensions except special towers. (Weight of stub,cleat& template with Bolt & bnuts of stub & template shall be counted.)(Above 6 Mtr Extn) **(SOR PART -A- 6)**	MT	2.5	9918	24795.00
	Concreting of foundation by M20 / M15mixture including shoring, shuttering, dewatering etc for normal tower / tower with extensions upto 21Mtr (Rates are with cement)				
12	a)1:1.5:3 mixture (M20) **(SOR PART -A- 7)**	Cum	640.0	12246	7837440.00
13	b)1:2:4 mixture (M15) **(SOR PART -A- 7)**	Cum	62.0	10306	638972.00
14	Grounding of towers with pipe type earthing including excavation and back filling and supply of all materials like 32mm dia heavy duty 3Mtr. Long G.I.Pipe & 50x6mm G.I.flat, bolts-nuts, salt, coal/charcoal etc. as per drawing. **(SOR PART -A- 8)**	Set	22	8985	197670.00
15	Erection of super structure upto 6Mtr extension including tree cutting, fixing of tower accessories , attachments except ACD / DP / NP / CIP / PP and excluding tack welding of bolts. This includes taking delivery of tower materials and boltnuts from board's stores etc. for normal,extension & special towers at destoination and keeping them in safe custody and transporting the same to erection site.**(SOR PART -A- 14)**	MT	148.0	10076	1491248.00
16	Erection of super structure above 6Mtr extension including tree cutting, fixing of tower accessories , attachments except ACD / DP / NP / CIP / PP and excluding tack welding of bolts. This includes taking delivery of tower materials and boltnuts from board's stores etc. for normal,extension & special towers at destoination and keeping them in safe custody and transporting the same to erection site.**(SOR PART -A- 15)**	MT	5.0	12694	63470.00
	Fixing of Anti climbing devices including supply of plates and supply of G.I. Bolt nuts & tack welding as per drawing.				0.00
17	a) 66KV **(SOR PART -A- 18a)**	Loc	22	2596	57112.00
	c) 220KV **(SOR PART -A- 18c)**	Loc	0	3589	0.00
	Fixing of DP/NP/PP/CIP including supply of plates and supply of G.I. Bolt nuts & tack welding as per drawing. **S/C (SOR PART -A- 19a)**	Loc	0	1690	0.00
18	Fixing of DP/NP/PP/CIP including supply of plates and supply of G.I. Bolt nuts & tack welding as per drawing. **D/C (SOR PART -A- 19b)**	Loc	12	3379	40548.00
19	Fixing of DP/NP/PP/CIP including supply of plates and supply of G.I. Bolt nuts & tack welding as per drawing. **M/C (SOR PART -A- 19c)**	Loc	10	6758	67580.00
20	Tack welding of nuts upto approx 10Mtrs heightr OR two bottom most panel from ground level at three places on the nuts diametrically and applying zinc rich paint immediately after tack welding. **(SOR PART -A- 20)**	Per Bolt	12500	15	187500.00
21	Stringing of ACSR/AAAC 3 (Three) AL59 equivallent to Panther conductors for Double Circuit including laying ,jointing, tensioning, clamping with armour rods,hoisting of insulator string fixing of jumpers, dampers etc & with required tree cutting on entire length for adequate	Route Km	0.00	56464	0.00

	clearances/ safe charging of line. **ACSR Panther (SOR PART -B- 3)**				
22	Stringing of ACSR/AAAC 6 (Six) AL59 equivallent to Panther conductors for Double Circuit including laying ,jointing, tensioning, clamping with armour rods,hoisting of insulator string fixing of jumpers, dampers etc & with required tree cutting on entire length for adequate clearances/ safe charging of line. **ACSR Panther (SOR PART -B- 4)**	Route Km	5.00	112928	564640.00
23	Stringing of ACSR/AAAC 12 (Twelve) AL59 equivallent to Panther conductors for Double Circuit including laying ,jointing, tensioning, clamping with armour rods,hoisting of insulator string fixing of jumpers, dampers etc & with required tree cutting on entire length for adequate clearances/ safe charging of line.**ACSR Panther (SOR PART -B- 1 -5)**	Route Km	0.00	217520	0.00
24	Hotline Stringing of ACSR/AAAC 3 (Three) AL59 equivallent to Panther conductors for Double Circuit including laying ,jointing, tensioning, clamping with armour rods,hoisting of insulator string fixing of jumpers, dampers etc & with required tree cutting on entire length for adequate clearances/ safe charging of line. **ACSR Panther (SOR PART -B- 6a)**	Route Km	0.00	168000	0.00
25	Stringing of one ground wire including laying, jointing, tensioning, clamping,with accessories,jumpering,& sisterwire, vibration damper earthbond etc & including tree cutting. **(SOR PART -B-I-1)**	Route Km	5.00	16843	84215.00
26	Hot line Stringing of one ground wire including laying, jointing, tensioning, clamping,with accessories,jumpering,& sisterwire, vibration damper earthbond etc & including tree cutting. **(SOR PART -B- 8)**	Route Km	0.00	46597	0.00
	Work of Painting of Line name, Location No., two coat Painting Color code of desired length and telephone no. on Tower Leg with letter of Gujarati language using ISI marked Paint as per instruction of EIC including Supply of paints and other require materials.				
27	a) All four legs - For 4 Nos. of Line (M/C) **(SOR -A- 23 a)**	Loc.	0	862	0.00
	b) All four legs - For 2 Nos. of Line (D/C) **(SOR -A- 23 b)**	Loc.	22	431	9482.00
	c) Two legs - For 1 Nos. of Line (S/C) **(SOR -A- 23 c)**	Loc.	0	216	0.00
28	Random stone masonary revetment with 1:5 cement mortar including excavation - back filling & leveling (Rate are with cement) (SOR PART -A- 11)	Cu.m	100.0	6683	668300.00
29	Concrete revement with 1:2:4 mixture including excavation back filling & leveling (Rate are with cement)(SOR PART - A- 13)	Cu.m	10	9338	93380.00
				Total Rs.	**22593299.00**
				GST @ 18%	**4066793.82**
				Net Total Rs.	**26660092.82**

NOTE: -GST shall be reimbursed on production of proof of such payments made by the contractor to the appropriate department.

CERTIFICATE

Seal & Signature of Bidder

I/We have read and clearly understood the terms, conditions, Schedule-B and Technical specifications put by GETCO on WEB site.

I/We hereby accept all the conditions and specifications of this tender document and accordingly.

I/we am / are ready to carry out the above work ……% above/below, (In word …… % above/ below) of schedule rate of GETCO`

The Tender amount thus works out Rs:- _____(Rupees in words _____Frs._____)

Seal & Signature
And address of Contractor

Superintending Engineer
GETCO, CO, Navsari

Seal & Signature of Bidder