GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
TRANSMISSION CIRCLE
Navsari

GETCO

TENDER SPECIFICATION FOR

Name of Work:- Shifting/Height raising of 220KV Vapi - Tarapur line & 220KV Bhilad - Tarapur line for DFCC (Railway crossing).

Estimated Cost – Rs. 760006.31
Tender fee – Rs.760.00
EMD – Rs. 7600.00
Time limit- 1 (One) Month

TECHNICAL BID

TENDER NO.TCNS/ETP- 101/2015
Tender Notice No TCNS/NP - 31/2015 DT. 26-11-2015

SE (TR), Navsari invites “On line Tenders” (e-tendering) for the purchase of following items. Tender Papers & Specifications may be downloaded from Web site https://getco.nprocure.com (For view, down load and on line submission) and GUVNL/GETCO web site www.gseb.com & www.Getcogujarat.com (For View & down load only). Tender fee may be paid along with submission of tender in EMD cover, for respective tender. “All the relevant documents of tender to be submitted physically will be received only be Registered Post A.D. or Speed Post addressed to Superintending (TR) Gujarat Energy Transmission Corporation Limited, Circle Office, Navsari. “NO COURIER SERVICE OR HAND DELIVERY” will be allowed. All the bidders, in respect of tender item must have vendor registration with the GTECO or their any subsidiary company viz. prior to the date of opening of technical bid of the tender otherwise their bids will not be considered eligible for technical scrutiny and as such, their technical bids will not be opened.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Description</th>
<th>TCNS/ETP- 101/2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tender No.:</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Purchase of / Work of</td>
<td>Shifting/Height raising of 220KV Vapi - Tarapur line &amp; 220KV Bhilad - Tarapur line for DFCC (Railway crossing).</td>
</tr>
<tr>
<td>3</td>
<td>Tender Fee (non refundable)</td>
<td>760.00</td>
</tr>
<tr>
<td>4</td>
<td>Estimated cost without ST/VAT in Rs. Lacs</td>
<td>760006.31</td>
</tr>
<tr>
<td>5</td>
<td>Earnest Money Deposit amount in Rs.</td>
<td>760.00</td>
</tr>
<tr>
<td>6</td>
<td>Time limit</td>
<td>1 Month</td>
</tr>
<tr>
<td>7</td>
<td>Registration of Contractor</td>
<td>E2 class &amp; above</td>
</tr>
<tr>
<td>7</td>
<td>On line (E-tendering) tender/ offer submission last date up to 16.00 hours only (This is mandatory)</td>
<td>29-12-2015</td>
</tr>
<tr>
<td>8</td>
<td>Physical submission of all the relevant documents, last date up to 15.00 hours. By RPAD or SPEED POST only.</td>
<td>31-12-2015</td>
</tr>
<tr>
<td>9</td>
<td>Date of opening of Tender fee, EMD cover, Vendor registration and technical bid physical as well as on – line opening at 16.00 Hours.</td>
<td>31-12-2015 (if possible)</td>
</tr>
<tr>
<td>10</td>
<td>Tentative Date of on – line opening of Price bid, (if possible), at 11.00 Hours</td>
<td>Shall be intimated separately</td>
</tr>
<tr>
<td>11</td>
<td>Prices</td>
<td>Firm</td>
</tr>
</tbody>
</table>
IMPORTANT:

1. All the relevant documents as per requirement of the Tender also to be submitted physically along with the Tender Fee, EMD cover in sealed cover on OR before due date and time. All such documents should be strictly submitted by RPAD / speed post only. Otherwise the offer will not be considered and no any further communication in the matter will be entertained. **The tender in physical form is to be submitted in single copy instead of duplicate mentioned in the tender (the price bid is not to be submitted with the physical documents).** *(All the online Annexures & Price bid i.e. Annexure - 1 to 14, GTP and price bid are not to be submitted with the physical documents)*.

2. Any deviation found in Data / Details / Documents between on line offer (E-tendering) and physically submitted documents (Tender document fee, EMD, Vender Registration, Technical and commercial documents etc.) of bidder, offer of the same bidder will not considered and no any further communication in the matter will be entertained. **Physical copy is for reference only and tender will be evaluated on Data / Details / Documents of the on line offer. For any discrepancy between online & physical bid. Online bid is considered as final. Whatever item quoted in Annexure-IV/(4) are consider for technical evaluation. The quantity, ED & ST/VAT offered in online price bid shall be considered as final in case of any discrepancy.**

3. It is mandatory for all the bidders to submit their tender documents by both forms viz. on – line (E-tendering) and physically in schedule time. If tender documents submitted in only any one form, say either by on line or physically, in that case the same tender will not be considered.

4. The bidders are required to fill up all the online annexure / forms. This is intended for transparency and speedy evaluation of the bids. Instead of simply confirming / attached in bid / refer physical offer, the Bidder shall fill in the particulars against appropriate place in respect of each line appearing in each online annexure. Wherever required, bidder shall invariably have to submit supporting authentic documents in the physical bid.

    *(In the absence of required details in the online annexure, the purchaser has every right to evaluate the bids accordingly and bidder cannot raise any objection against any point during evaluation.)*

5. Bidders are requested to remain in touch with the website for any amendment / corrigendum or extension of due date etc.

   Any technical questions, information and clarifications that may be required pertaining to this enquiry should be referred to: GETCO reserves the right to reject any OR all tenders without assigning any reasons thereof.

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

Part – I: Commercial Terms & Conditions

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

To view the PDF file please use “Acrobat Reader” soft ware which can be downloaded from “Adobe” website. **Note:**

<table>
<thead>
<tr>
<th>In case bidder needs any difficulty in accessing / submission of on line bid / clarification or if training required for participating in online tender, they can contact the following office:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(n) Procure Cell, (n) code solutions-A division of GNFC Ltd., 403, GNFC Infotower, S.G. Road, Bodakdev Ahmedabad – 380054 (Gujarat)</td>
</tr>
<tr>
<td>Toll Free: 1-800-233-1010 (Ext. 501, 512,516 , 517 , 525) , Phone No. 079-26857315 / 316 / 317, Fax: 079-26857321 / 40007533, Email: <a href="mailto:nprocure@gnvfc.net">nprocure@gnvfc.net</a></td>
</tr>
</tbody>
</table>

Supt Engineer (TR), Navsari
TENDER FOR THE WORK OF

“Shifting/Height raising of 220KV Vapi - Tarapur line & 220KV Bhilad - Tarapur line for DFCC (Railway crossing)”

Index

➢ Tender Notice.
➢ Integrity Pact.
➢ Safety a habit
➢ General Conditions of Contract
➢ Erection Conditions of Contract
➢ Special Conditions of Contract
➢ Forms & Appendices to be filled in by the bidders.
➢ Schedule B
GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
VADODADA

INTEGRITY PACT
OUR ENEAVOUR

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

GETCO COMMITMENT
 To maintain the highest ethical standards in business and professional.
 Ensure maximum transparency to the Satisfaction of stakeholders.
 To ensure to fulfill the terms of agreement / contract and to consider objectively the viewpoint of parties.
 To ensure regular and timely release of payment on due dates for work done.
 To ensure that no improper demand is made by employees or by anyone on our behalf.
 To give maximum possible assistance to all the vendors / supplier / Service provider and other to enable them to complete the contract in time.
 To provide all information to suppliers / contractors relating to contract / job which facilitate him to complete the contract / job successfully in time.
 To ensure minimum hurdles to vendors / suppliers / contractors in complete of agreement / contract / work order.

PARTY’S COMMITMENT
 Not to bring pressure / recommendations outside GETCO to influence its decision.
 Not to use intimidation, threat, inducement or Pressure of any kind on GETCO or any of its employees under any circumstances.
 To be prompt and reasonable in fulfilling the contract, agreement, legal obligations.
 To provide goods and / or services timely as per agreed quality and specifications at minimum cost of GETCO.
 To abide by the general discipline to be maintained in our dealings.
 To be true and honest in furnishing information including payment to agents / sub-agent.
 Not to divulge any information, business details available during the course of business relationship to others without the written consent of GETCO.
 Not to enter into carter / syndicate / understanding whether formal / non-formal so as to influence the price.

________________________
Seal & Signature
(GETCO Authorized Signatory)

________________________
Seal & Signature
(Party’s Authorized Person)

Name:  
Designation:  

Name:  
Designation:
SAFETY CUM INDEMNITY BOND
(On Non-judicial Stamp paper of value not less than Rs. 100.00)

KNOW ALL MEN BY THESE PRESENTS that we, _______ by this SAFETY CUM INDEMNITY BOND Executed on this _____________ Day of _________ 2014. I/We Having Registered Office _______________________ (herein after called “THE CONTRACTOR” which expression shall mean and includes my /our heirs, executors, administrators and legal representatives, successors and permitted assigns) do hereby binds myself/ourselves and also our company/firms after having the power to bind by this promise and undertaking in favor of the Gujarat Energy Transmission Corporation Limited (GETCO), Vadodara a State Transmission Utility under The Electricity Act, 2003 having its registered office at Sardar Patel VidyutBhavan, Race course, Vadodara. (hereinafter called as GETCO, which expression shall mean and include its legal representative, administrators assigns) has agreed under the terms and conditions of the contract no.______ dated_______ made between ___________ and ___________for the contract of the ___________ value of Rs. __________ interalia on production of Safety Cum Indemnity Bond.

We do hereby undertake and agree to Indemnify and keep Indemnified GETCO from time to time to the extent of Rs.______ Rupees________ only against any losses or damages, costs, charges and expenses caused to or suffered by reason of the CONTRACTOR while Project, R&M, O&M work including work carried out by outsourcing agency, failing to take proper care or not complying the guidelines given hereunder as per Annexure-A and instructions which may be given from time to time during the continuance of the contract and we further undertake to unconditionally pay the amount claimed by the GETCO on demand and without demur to the extent aforesaid.

Whereas the CONTRACTOR has/have been awarded to execute the job/works under order no.______, dated_______ for _________ issued by the GETCO after having observing necessary formalities, the details of which is described in the order no._______ dated ______ and whereas the said job/works will be /likely to be done in places covered under Employees’ State Insurance Act, 1948 (ESI) and /or the Workmen Compensation Act, 1923 and /or other laws relating to the Labor Management and Welfare Act. (Respective Amendments)

And whereas according to the condition of the Contract the CONTRACTOR is under obligation to execute this Safety cum Indemnity Bond before the commencement of actual execution of work

Now the indenture witnesses that I/We the CONTRACTOR do hereby undertake to follow the guidelines as per Annexure-A prepared by the GETCO.

Further we the CONTRACTOR agree that the GETCO shall be sole judge of and as to whether there has been any breach of the guidelines as per Annexure-A of this bond and as to the extent of the loss,damages, costs, charges and expenses caused to or suffered by the GETCO.

We the CONTRACTOR further agree that our liability under this bond shall not be discharged because of the change in the constitution of the GETCO or for the extension of the time limit or for any other reason.

We the CONTRACTOR further agrees to the given terms and conditions:

a) That the CONTRACTOR undertakes /undertake to indemnify and keep harmless the GETCO from all claims, actions, proceedings and risk, damage danger to any person whether belonging or not Belonging to the CONTRACTOR.

b) That the CONTRACTOR shall keep harmless the GETCO from all claims, compensation, damages any proceedings in respect of any of its employee / workmen under the Workmen Compensation Act or any other laws for the time being in force.

c) That, if during the course of execution of work as stated in the contract order mentioned here in above issued by the OBLIGEE, it is found that the CONTRACTOR has not complied with guide lines 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 Labor Welfare for the time being in force, and also has not observed the safety norms in accordance with the law prevailing at the place of work/job to the satisfaction of the GETCO, the GETCO shall have the right to stop the execution of work/job and the period of such stoppage shall not be taken into account for the calculation of the total period of completion of work for which the CONTRACTOR is responsible to complete the work/job and it will be deemed that discontinuance was due to default of the CONTRACTOR.

d) That, if any time, due to exigency, GETCO as the Principle Employer, becomes liable to pay any such compensation mentioned hereinabove, whether on failure of the CONTRACTOR or for any other reason, the GETCO shall have the right to recover the said amount from any amount receivable by GETCO or any bank guarantee deposited or anything payable whether in connection with this contract or other contract by the CONTRACTOR to the OBLIGEE.

e) That the CONTRACTOR is/are aware and accept that for the persistent or repeated violation of any guidelines as per Annexure-'A' and terms and conditions mentioned in this Safety cum Indemnity Bond, GETCO shall have right to terminate the contract of work issued to the CONTRACTOR.

f) In case if any safety related fatal Electrical / Mechanical accident occurred to any employee of agency or outsider due to negligence or non-compliance of GETCO safety norms then in addition to the compensation and liability as per statutory requirement, contractor / agency is hereby agreed to pay the penalty amount as given below:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Amount of Contract in Rs.</th>
<th>Penalty amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Up to 1 Lac</td>
<td>Rs.5000/-</td>
</tr>
<tr>
<td>2</td>
<td>Above 1 Lac to 10 Lac</td>
<td>Rs.40000/-</td>
</tr>
<tr>
<td>3</td>
<td>10 to 100 Lac</td>
<td>Rs.100,000/-</td>
</tr>
<tr>
<td>4</td>
<td>&gt; 100 Lac</td>
<td>1.0 % of contract value</td>
</tr>
</tbody>
</table>

g) I/We the CONTRACTOR hereby confirm that in case of any dispute/difference for settlement of claims under this Safety Cum Indemnity bond the courts in Gujarat State wherever job/work is performed or as per GETCO norms shall have the jurisdiction to decide the rights & liabilities of the parties while adjudicating the matter of claims under this Safety Cum Indemnity Bond.

h) This Safety cum Indemnity Bond shall continue and hold good until it is released by the GETCO in Writing on the CONTRACTOR’s application after the Contractor has discharged all his obligations under the order mentioned hereinabove and submitted a “NO DEMAND CERTIFICATE” from the GETCO under the said order. The Safety cum Indemnity Bond shall be valid for a CONTRACT PERIOD and renewable thereof (Claim Period).

i) This Safety cum Indemnity Bond and the guidelines as per Annexure-A herein contained are in addition to And not by way of limitation or substitution for any other guarantee, indemnities Hereto before given to the GETCO by the CONTRACTOR and this indemnity do not Revoke or limit such indemnities or guarantees. IN WITNESSWHEREOF the Parties hereto have executed this indenture the day the year First hereinabove written.
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.

<table>
<thead>
<tr>
<th>Indoor safety precaution</th>
<th>Outdoor safety precaution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The method of work required T&amp;P and manpower should be discussed between GETCO supervisor, contractor’s supervisor and gang leaders.</td>
<td>The method of work required T&amp;P and manpower should be discussed between GETCO supervisor, contractor’s supervisor and gang leaders.</td>
</tr>
</tbody>
</table>
| 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 and 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 | 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 contractors 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. |
isolation, earthing or any equipment performance of GETCO, it will be pointed out and work shall begin only after resolution. Contractor shall not take up job in absence of GETCO authorized person. All wire temporary connection & material whenever erection activity has any connection and disconnection work of busbar, string bus.

<table>
<thead>
<tr>
<th>All workers / labor of contractor &amp; supervisors must use personal protective equipment (PPE) during the work like gloves, safety belt, Safety shoes, Helmet, earthing rods, etc, duly approved by GETCO.</th>
<th>All workers / labor of contractor &amp; 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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>The local earthing must be done at the place of work before execution of any work.</td>
<td>The local earthing must be done at the place of work before execution of any work.</td>
</tr>
<tr>
<td>11 kV breakers in panel must be switched off and racked out only after ensuring no voltage in breaker and without door opening.</td>
<td>Circuit breaker opening is not isolation and isolator on either side must be opened. No work during rains and cloudy weather condition.</td>
</tr>
<tr>
<td>Transmission line activities. 1) Used of Voltage detector to ensure outage. 2) Earthing at three points, local, left &amp; right side of bus bar / string bus. 3) Match line color code with color of wrist band.</td>
<td>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.</td>
</tr>
</tbody>
</table>
SECTION - E I

GENERAL TERMS AND CONDITION

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 Head Office at Vidyut Bhavan, Race Course, Vadodara - 390 007, hereafter called the "GETCO" intends to invite Tender for “Shifting/Height raising of 220KV Vapi - Tarapur line & 220KV Bhilad - Tarapur line for DFCC (Railway crossing)” as detailed in this specification.

1.2 QUALIFYING REQUIREMENT OF THE BIDDER:

1. Registration: Bidder quoting for the bid shall have strictly a registration with GETCO.

2. Experience: Bidder should have experience of similar work as “Shifting/Height raising of 220KV Vapi - Tarapur line & 220KV Bhilad - Tarapur line for DFCC (Railway crossing)” For raising / shifting of existing transmission line under ND or as a deposit work, the bidder should have executed minimum 5 nos. of similar work during 3 financial year for same voltage class. Attested Xerox copy of work orders executed and satisfactory completion certificate should be submitted.

3. Solvency: Latest bank solvency certificate from any Nationalized/Scheduled Bank of a sum of minimum 20 % of the estimated cost shown in the tender.

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

5. Profit & Loss Account Statement: The Bidder should submit certified Xerox for audited copy of the Balance sheet with profit and loss account of last three Years.

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

7. VAT Registration: The Bidder shall be registered under the “GUJARAT VALUE ADDED TAX – ACT”. The certified Xerox copy of such registration under Gujarat VAT Act indicating “TIN” shall have to be submitted along with the bid by the bidder.

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

9. Service tax registration: The bidders should submit the certified copy of service tax registration Form ST-2 of their firm.

10. Welfare Registration: Registration of the contractors site under “the Building & other construction welfare’s welfare cess before commencement order.”
Qualifying requirements for construction of 66/132/220kv and R&M (66kv to 400kv) line:

Erection of 66kV transmission lines:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Qualifying Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Registration</strong></td>
</tr>
<tr>
<td></td>
<td>The Bidder shall be strictly a GETCO registered contractor of any class.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Technical Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Length of transmission line on towers/H frame to be tenderize - The bidder should have erected transmission line including stringing of conductor and earthwire of 66kv and above class lines on towers/H frame for length</td>
</tr>
<tr>
<td></td>
<td>a) Less than 5 RKM – Minimum 10 RKM line in last 3 financial years</td>
</tr>
<tr>
<td></td>
<td>b) Line length above 5 RKM but up to 10 RKM – Minimum 20 RKM line in last 3 financial years.</td>
</tr>
<tr>
<td></td>
<td>c) Line length above 10 RKM but up to 20 RKM – Minimum 40 RKM line in last 3 financial years.</td>
</tr>
<tr>
<td></td>
<td>d) Line length above 20 RKM – Minimum 50 RKM line in last 3 financial years.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Financial Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>The bidder shall submit the Bank Solvency of the amount which is 20% of the total estimated cost of the tender.</td>
</tr>
</tbody>
</table>

Erection of 132kv transmission lines:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Qualifying Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Registration</strong></td>
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<tr>
<td></td>
<td>The Bidder shall be strictly a GETCO registered contractor of any class.</td>
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<tr>
<th>Sr. No.</th>
<th>Technical Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Length of transmission line on towers/H frame to be tenderize – The bidder should have erected transmission lines including stringing of conductor and earthwire of 66kv and above class lines on towers/H frame for length.</td>
</tr>
<tr>
<td></td>
<td>a) Less than 5 RKM – Minimum 20 RKM line of 66kv Class/minimum 10 RKM of 132kv or above voltage class in last 3 financial years.</td>
</tr>
<tr>
<td></td>
<td>b) Line length 5 RKM and above – minimum 50 RKM line of 66kv Class/Minimum 20 RKM of 132kv or above voltage class in last 3 financial years.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Financial Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>The bidder shall submit the Bank Solvency of the amount which is 20% of the total estimated cost of the tender.</td>
</tr>
</tbody>
</table>

Erection of 220kv transmission lines:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Qualifying Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Registration</strong></td>
</tr>
<tr>
<td></td>
<td>The Bidder shall be strictly a GETCO registered contractor of any class.</td>
</tr>
</tbody>
</table>
2 Technical Criteria

1) Length of transmission line on towers/H frame to be tenderize – The bidder should have erected transmission lines including stringing of conductor and earthwire of 66kv and above class lines on towers/H frame for length.
   a) Less than 5 RKM – Minimum 10 RKM line of 66kv Class/minimum 10 RKM of 132kv or above voltage class in last 3 financial years.
   b) Line length 5 RKM and above – Minimum 20 RKM line of 66kv Class/Minimum 20 RKM of 132kv or above voltage class in last 3 financial years.

2) For raising/shifting of existing transmission line under ND or as a deposit work, the bidder should have executed minimum 5 nos. of similar work during 3 financial year for same voltage class.

3 Financial Criteria
The bidder shall submit the Bank Solvency of the amount which is 20% of the total estimated cost of the tender.

R&M Tenders: (66kv to 400kv lines)

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Qualifying Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Registration</td>
</tr>
<tr>
<td></td>
<td>The Bidder shall be strictly a GETCO registered contractor of any class.</td>
</tr>
<tr>
<td>2</td>
<td>Technical Criteria</td>
</tr>
<tr>
<td>A) For conductor / EW replacement:</td>
<td></td>
</tr>
<tr>
<td>1)</td>
<td>Length of transmission line on towers/H frame to be tenderize – The bidder should have erected transmission lines including stringing of conductor and earthwire of 66kv and above class lines on towers/H frame for length.</td>
</tr>
<tr>
<td>a)</td>
<td>Less than 5 RKM – Minimum 10 RKM line in last 3 financial years.</td>
</tr>
<tr>
<td>b)</td>
<td>Line length above 5 RKM but upto 10 RKM – Minimum 20 RKM line in last 3 financial years.</td>
</tr>
<tr>
<td>c)</td>
<td>Line length above 10 RKM but upto 20 RKM – Minimum 40 RKM line in last 3 financial years.</td>
</tr>
<tr>
<td>d)</td>
<td>Line length above 20 RKM – Minimum 50 RKM line in last 3 financial years.</td>
</tr>
<tr>
<td>B) For Insulator replacement:</td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>Minimum 500 strings (single/double) of tension/suspension insulator replacement work for respective voltage class lines during last 3 financial years.</td>
</tr>
</tbody>
</table>

Note:

1) For Hotline work: Only Hotline experienced contractors are eligible.
2) For coldline work: Both the hotline and coldline experienced contractors are eligible.
3) Bidder must have work experience of same KV class as mentioned in the tender document or above KV class lines for conductor/EW/insulator replacement.

3 Financial Criteria
The bidder shall submit the Bank Solvency of the amount which is 20% of the total estimated cost of the tender.
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 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 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 as per below clause no.12.

EMD of the unsuccessful tenderer will be refunded within 180 days of placing of the order with the successful Tenderer and when the Tenderer asked for refund to the
Accounts Officer 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 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 The GETCO Resolution of firm/ power of attorney authorizing particular person to sign tender and related documents.

1.7 AUTHORISED REPRESENTATIVE:

1.7.1 All the tenderers are requested to mention the name of their authorised 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 any 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 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 time allowed for completion the work is 1(One) month from the date of the commencement of the work.* 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 & earthwire, 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 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 **ARBITRATION:**
1.15.1 All questions, disputes or differences whatsoever, which may, at any time, arise between the parties i.e. the GETCO and the Contractor upon, or in relation to or in connection with the contract, shall be referred to sole Arbitrator appointed by the Chairman, GETCO, for that purpose, who shall be a retired High Court Judge or a retired District Judge and the decision of the said Arbitrator shall be final and binding upon the parties. Reference to the Arbitrator shall be governed by the provisions of The Arbitration & Conciliation Act, 1996 as amended from time to time and the Rules made there under. The arbitration proceedings shall be conducted at Vadodara, Head Office of GETCO or at any such place as the sole Arbitrator may determine. The award of the sole Arbitrator shall be final and binding upon the parties.

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 labour 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.

- Licence 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 workers 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.

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 required 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 FUND OFFICE
1) 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 or PWD office of Gujarat state Govt. 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 may 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.

Signature of Contractor

Superintending Engineer (TR)
GETCO, CO, Navsari
SECTION - E II

GENERAL COMMERCIAL CONDITIONS :-

The Gujarat Energy Transmission Corporation Ltd., Navsari hereinafter called ‘GETCO’/‘OWNER’ intends to receive bids for “Shifting/Height raising of 220KV Vapi - Tarapur line & 220KV Bhilad - Tarapur line for DFCC (Railway crossing)” detailed in the accompanying specifications in accordance with Terms and Conditions herein. The bids shall be prepared and furnished as per these instructions.

1. **The validity of tender is 180 days from the date of opening of technical bid**
2. All commercial terms and conditions except rates shall be indicated in the technical & commercial bid only.
3. The Tenderers shall specifically note that the Tenders are invited on percentage basis only.
4. The tenderers will ensure submission of the Tenders duly filled in before the due date and time.
5. **Security deposit**: - The contractor will have to pay the Security Deposit at 5% of the order value on placing the order out of which 2.5% will have to be paid by demand draft / FDR in the name of ‘GUJARAT ENERGY TRANSMISSION CORPORATION LTD/A/c. name of bidder’ within 7 days from the date of the issue of LOI, and the remaining 2.5% will be recovered from the first two R.A. Bills and higher percentage of security deposit may be fixed at the direction of The Superintending Engineer. Alternatively you may pay the entire S.D. in the form of FDR/B.G.as per approved format of the GETCO issued by Nationalized/Scheduled Bank. FDR/B.G. issued by some co-operative bank is acceptable. The security deposit will be refunded only after the completion of guarantee period of 1 year of work done or finalization of final bill whichever is later. **If contractor fails to make the payment of S.D within 10 days after receipt of LOI; than EMD will be forfeited.**
6. **Contract Period**: - The time allowed for completion the work is **1(One) month** from the date of the commencement of the work, 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.
7. 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.
8. **SERVICE TAX**: -
   (i) Contractor has to submit the Service Tax Registration certificate (ST-2).
   (ii) Contractor should be registered for the service under which they shall pay the service tax for this contract.
   (iii) Contractor has to submit invoice with each RA bill & Final Bill and in which it shall be specifically mention the nature of service & code under which the amount of service tax payable by contractor and payable by GETCO (if any) without fail.
9. **WELFARE CESS**: -
   1. 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.
   2. Contractor shall get registered under Welfare Cess Act before commencement of work in required head as per nature of work. Office of the Factory Inspector is authorized at present as a registering authority.
   3. GETCO shall pay the welfare cess by way of reimbursing to contractors on production of documentary evidence of payment. Registration charges will not be reimbursed.
4. 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. The modality of payment/reimbursement of welfare cess will be as under.

5. 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. Copy of Registration certificate shall be submitted before submission of 1st RA bill.

6. 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.

7. 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.

8. The welfare cess shall be reimbursed to the contractor on submission of copy of documentary evidence of payment by observing due formalities.

11. **Service tax & welfare tax shall be reimbursed on production of proof of such payments made by the contractor to the appropriate department.**

12. 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.**

13. The contractor will have to give safety cum indemnity 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.**

14. Also the successful bidder will have to execute Agreement on stamp paper of value Rs.100/- at our Transmission Circle, GETCO, Navsari before commencement of works as per GETCO’s prescribed Performa. **The cost of stamp paper will be borne by the contractor.**

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

16. 10% retention money will be deducted from each R.A. Bills against material issued to contractor.

17. 10% amount of bill will be retained from each RA bill for the work executed after the scheduled date of completion and on finalization of time limit extension by competent authority, this amount will be released after deducting amount towards the time limit penalty if any.

18. As regard damage the materials, equipment and worker of the contractor, he himself will be responsible. If there is any compensation to be paid in respect of “WORKMAN” compensation act of any other statutory provisions, the same will have to be paid by the contractor direct. If he thinks fit he may take necessary insurance cover, at his cost.

19. The quantum of the work as mentioned in estimate/schedule –’B’ is tentative and it can be varied or differed as per site condition. The payment shall be made only on actual work executed or order quantity, whichever is less.

20. The tenderer will be abided by and fulfill all the terms and provisions of the “Tender & Contract” for works as applicable and in case of any default there to the GETCO shall forfeit the S.D. or any other action as may be decided by Superintending Engineer (TR), GETCO, Navsari.
21. The cost of damages, if any will be recovered from the Contractor’s bill. The assessment of which will be done by field Engineer at his sole discretion and his decision shall be binding to the contractor and shall be considered as final and unchallengeable.

22. GETCO shall deduct the Income-Tax and other taxes as per prevailing rules from each and every bill.

23. No part rate or reduced rate shall be allowed in final bill.

24. The contractor has to follow all labour laws, safety rules and regulations. The GETCO does not take any responsibility in case of accident or injury to the workers. The safety/ security of men, materials and equipments shall be sole responsibility of the contractor.

25. The compliances of all Central/ State Govt. rules, safety and insurance rules etc. and that of local body, is a must condition for the agency.

26. The Gujarat Energy Transmission Corporation Limited does not bind itself to accept the lowest or any tender. GETCO reserves the right to reject any or all tender without signing any reasons whatsoever.

27. The erection work should be commenced immediately from the date of receipt of instructions from office and should be completed within thereafter.

28. The tender includes all minor accessories and items of work which are not have been specifically mentioned in the specification schedule etc. but are essential for completion of work. The contractor will not be eligible for any extra payment in respect of such minor accessories and items of work.

29. Tenderer will be qualified only who have submitted all the required documents as mentioned in tender notice.

30. No higher rate or revised rate will be applicable for the work, if work is held up/ closed due to whatever so reasons.

31. GETCO will not pay any idle charge for any site conditions or any circumstances.

32. In case of any dispute/ doubt, the decision of Superintending Engineer (TR), GETCO, Navsari shall be unchallengeable, final and binding to the contractor.

33. The contractor has to remain in close day to day contact with Engineer in charge of work i.e. DE(Const) Vav who will issue detailed instruction for the commencement of the work.

34. Contractor will abide by and fulfill all the terms and conditions and general terms and condition of the contract for works available in the office.

35. All other general terms and conditions as prevailing in the GETCO shall be applicable to the contract.

36. The contractor will have to complete entire job as per directive and instruction of Engineer in charge. If he fails to do so entire work will be carried out at contractor’s risk and cost.

37. The contractor must engage sufficient knowledgeable persons round the clock, exclusively for oil filter machine provided by GETCO for oil filtration work. No loss of oil should occur and in case if occurs; its cost will be recovered from contractor’s bill. The contractor has to apply sufficient nos. of cycles for oil filtration works as decided by the Engineer in charge.

38. The tender shall be issued to only the experienced contractor who has completed such job of similar nature and magnitude satisfactorily in time. However, filling of on line tender, does not qualifies the tenderer to offer the bid.

39. Tender offer without payment of EMD required certificate, documents, list of tools, tackles, equipments etc. required for execution of job will be out rightly rejected without assigning any reason thereof and decision of Superintending Engineer (TR), GETCO, Navsari will be final and unchallengeable.

40. The Contractor will be governed by The GETCO’s general conditions of works contract. The Booklet will be available in the concerned office in any working days. In the event of placing order, the contractor will have to sign this booklet along with other document and agreement. All the usual terms and conditions of the GETCO, through the same might have not been mentioned in this specification or contractor booklet will applicable to this contract, and the decision of the Superintending Engineer shall be binding on the contractor.
41. After completion of the work, all the surplus materials issued by the GETCO shall be returned by you to the respective center of the GETCO as per instruction of Engineer in charge at your cost.

42. Specification in any items mentioned in tender are subject to change without any prior notice and binding to the contractor.

43. If the work is required to be carried out during fix outage then the contractor has to deploy adequate man power, material, tools etc. well in advance and has to complete the entire work during this specific outage period only, failing to which GETCO shall be at liberally to deduct the amount of revenue loss due to prolong outage.

44. If required by GETCO you shall have to provide free to and fro traveling facility to our Junior Engineer or Technical staff for the work.

45. The contractor shall not refuse to execute the work order at any time and it will be his sole responsibility to execute and complete this work as per the instruction of Engineer in charge.

46. For shortages of any materials issued by the GETCO for the work, recovery shall be made from you, on the basis of prices of the materials (prevailing on the date of settlement of materials account) plus 15% supervision charges.

47. No subcontractor, Power of Attorney shall be allowed without prior approval of competent authority.

48. All the materials issued by GETCO shall be transported to the work site on same day and to be preserved in safe custody failing to which GETCO shall initiate legal action if required. Similarly as per instruction of Engineer in charge, you have to credit the material at GETCO store without any loss of time failing to which GETCO shall initiate legal action if required.

49. No tools, tackles, manpower, crane facilities etc. will be provided by the GETCO.

50. The contractor has to submit the list of tools, tackles, equipments with him along with his tender offer. The tender without this list and other required documents (as mentioned above herein the tender) should be rejected out rightly.

51. The contractor has to deploy minimum 8 to 10 skill labours/ fitters at site daily failing to which GETCO shall deduct 1,000/- per day from the bill.

52. The bidder shall specifically note that GETCO will not pay any extra amount towards any type of claim except for the description indicated in Schedule – ‘B’. The party has to carry out all other/ additional required activities/ works as directed by Engineer in charge which is not mentioned in Schedule but required to be completed as per site condition and for this work no extra payment shall be made by GETCO.

53. GENERAL:-

a) The interpretation of specifications doubts etc.:– In case of any doubts about what is mentioned in specification or schedule or elsewhere, the tenderer should get all doubts cleared from the Department in writing and in advance of filling in the Tender. In case of difference of opinion about interpretation of specification etc the decision of Superintending Engineer, Transmission Circle, GETCO, Navsari will be final and shall be binding to the contractor.

b) Accounts of Materials issued:– The contractor shall have to maintain accurate day to day and item wise account of use of issued materials which shall be got checked from time to time by the representative of the GETCO. The contractor will be responsible for custody and preserving the issued materials till the work is handed over by the contractor after completion.

c) The contractor has to maintain site register, covering all the daily details of material receipt and utilization, progress of work etc. This register shall be checked and signed by Engineer in charge and Executive Engineer during the site visit. Any bill without site register shall not be passed.

54. The contractor shall be responsible for breakages, losses and theft of material during transit or erection after the materials issued from the stores till the completion of work and is taken over by the GETCO.
55. The contractor will be responsible for the loss, distribution of deterioration of the materials, stores or articles supplied to him by the GETCO, even if such a loss distribution or deterioration has occurred under any circumstances whatsoever beyond his control as if the materials, stores or articles so supplied were his property.

56. The contractor shall co-operate with the GETCO in recording measurement etc. as expeditiously as possible and he shall fulfill all the requirements which are necessary to finalize the accounts on the basis of its records and pay him such amount as if found due to him together with the amount of security deposit. If any remaining payable to him after deduction therefrom the amount due by him to the GETCO. The GETCO shall not entertain further claim from thereafter.

57. The competent authority can delete any item in schedule of the tender, if he feels that the rate quoted by the contractor for that item is abnormally high when compared to the estimated rates.

58. **Delivery of Material:** - All material/equipment required for this work as per schedule shall be delivered at any store centers of Const. Division, Navsari jurisdiction and contractor has to take delivery from these stores at his own cost only.

59. You will ensure that completion of erection work i.e. all works connected with substation having been completed correctly as per Indian Electricity Rules & procedure. Any extra cost involved due to incompleteness of work or bad workmanship found out Subsequently shall be set right forth with by you at your own cost.

60. **Billing and Payment Terms**
   
   (a) The contractor shall have to submit the RA bill of order to the concerned Deputy Engineer of sub-division of concerned division for payment once in a month period.
   
   (b) 90% payment of amount claimed covering various activities such as excavation, foundation, erection, earthing, stringing of bus bar and earthwire including insulator hoisting works against R.A. bills duly certified by EIC within 60 days from the date of R.A. bill.
   
   (c) Balance 10% of erection value shall be paid within 60 days against completion of work only after settlement of material account statement of items supplied, used, erected and successful commissioning of Sub-Station line the same amount will be release in final bill only and payment will be made only after passing of final bill.
   
   (d) If net payable amount is more than Rs 5.0 Lacs, payment will be released from circle office/corporate office.
   
   (e) The payment will be released within 60 days. However, in case of any delay due to any eventuality no interest charges shall be paid.
   
   (f) All the bills in accordance with the above clauses must be submitted with the following information:

   1) Item wise work done during billing period.
   2) Item wise cumulative work done.
   3) Account for material consumed and balance stock.
   4) For non-submission or part submission of above information, an additional 5% amount of the respective RA bill shall be withheld and shall only be released at the time of final bill.

61. **PROTECTION OF PROPERTY AND CONTRACTOR'S LIABILITY**

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

62. Quantities given in the Schedule of erection in price Bid are to be executed by the contractor at the rates accepted by the Board 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 Head Office and excess
quantity shall be paid only at the accepted rate of the A / T. No any Excess work / amount to be executed without prior approval of competent authority.

63. The erection work beyond contractual ceiling amount shall be done only after approval from the GETCO authority.

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

65. **CO-OPERATION WITH OTHER CONTRACTORS**
The Contractor shall co-operate with all other Contractors or tradesmen of the Owner, who may be performing other works on behalf of the Owner and the workmen who may be employed by the Owner and doing work in the vicinity of the Works under the Contract. The Contractor shall also so arrange to perform his work as to minimize, to the maximum extent possible, interference with the work of other Contractors and their workmen. Any injury or damage that may be sustained by the employees of the other Contractors and the Owner, due to the Contractor’s work shall promptly be made good at the Contractor’s own expense.

66. **PROTECTION OF WORK**
The Contractor shall have total responsibility for protecting his works till it is finally taken over by the Engineer. No claim will be entertained by the Owner or by the Engineer for any damage or loss to the Contractor’s works and the Contractor shall be responsible for complete restoration of the damaged works to original conditions to comply with the specification and drawings.
- SPECIAL COMMERCIAL CONDITION FOR TENDERER:-

1. TAKING DELIVERY AND INSURANCE:

1.1 The contractor has to keep S/S & line materials in safe custody and transport to the respective sites and will be reasonable for any damages to or loss of all materials at any stage during transportation or erection or taking over of the line by GETCO.

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

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

2 STORAGE-CUM-ERECTION INSURANCE:

2.1 The contractor shall take suitable storage-cum-erection insurance cover at his cost to the extent of 100% cost of s/s/line materials, which are required to complete the sub-station/line. 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, fire etc. for the complete period of storage, erection and commissioning up to the time of taking cover of the sub-station/line by 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 withheld.

2.2 In the event of any damage, theft, loss, pilferage, fire etc, Contractor will be responsible to lodge, pursue and settle all the claims with the insurance company for all items, materials and the corporation shall be kept informed about it. Contractor shall replace the lost/damaged materials/items promptly irrespective of the settlement of the claims by underwriter and ensure that the work progress is as per agreed schedule. The loss, if any, such replacement will have to be borne by the contractor and GETCO will not entertain any claim/representation in this regard. However it will be contractor’s responsibility to insure the entire project till the line/sub-station or any other project/works is taken over by the GETCO.

2.3 The approximate material cost for the work of Shifting/Height raising of 220KV Vapi - Tarapur line & 220KV Bhilad - Tarapur line for DFCC (Railway crossing) is Rs: 5224759.72.

3.0 INSURANCE

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

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

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

3.4 PENALTY FOR DELAY:

The bidder should note that the completion time allowed for carrying out the work should be strictly observed. Any delay that may take place in supply and erection beyond contractual cutoff date stated as per stipulated delivery period shall be subject to 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.
1) **Wages to be paid at time of payment etc. by the contractor.**
   a. The contractor shall pay minimum prevailing rates per day or as may be specified hereafter or rates fixed under the minimum wages Act. Whichever is higher. The wages or very contract labour employed by him under this contract shall be paid by him before the expiry of 7th day of the month in respective of which the wages are payable (i.e. wages of a month have to be paid by him in the first week of the next month). The payment shall be disbursed in the presence of management representative during the working hours in factory premises and the contractor shall get the entries certified in the register of wages by the representative of the GETCO. Any default will result in cancellation of contract forthwith or also the contractor shall be paid punishable to the extent of Rs.100/- fine per each day.
   b. The contractor shall give his telephone number and address to the GETCO so that in case of labour troubles etc. the contractor can be contacted. The contractor shall arrange to have his office outside the factory premises and the contractor shall keep himself present through out the working hours.

2) **Labour Laws**
   (A) Person below the age of 18 years shall not be employed for the work.
   (B) No. female worker shall be employed in the night shift between 7 p.m. to 6 a.m.
   (C) Contractor shall maintain a valid labor license under the contract labour (Regulation and Abolition) Act for employing necessary manpower to be required by him. In the absence of such license the contract shall be liable to be terminated without assigning any reason thereof.
   (D) The contractor shall at his own expenses comply with all labour laws and keep the GETCO indemnified in respective thereof. Some of the major liabilities under various labour and industrial laws which the contractor shall comply with are as under :-

(i) Payment of contribution by way of employer’s contribution towards provident fund, family pension scheme, Deposit linked insurance scheme, Administrative charge etc. at the rates make applicable from time to time by Government of Gujarat/Government of India or other statutory authority.
(ii) Payment of deposit in respect of each contract labour at the rate as per admissible with the office of commissioner of Labour as per the contract Labour (Regulation and abolition Act.).
(iii) License fee as prescribed under the contract labour (Regulation and abolition Act) and rules framed there under depending upon the number of workmen employed by the contractor.
(iv) Paid leave facility and wages as per the provision of the factories Act at the rate of one day for every 20 days of working.
(v) Identify cards as prescribed under the factories Act with photo at fixe there to the same identification. Liabilities as per industrial Disputes Act any payment to the contractor's employees arising out of any claim or disputes under the industrial Disputes Act, 1947 or any other labour laws.
(vi) Payment of compensation in case accidental injury.
(vii) 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.

3) **Provident fund & Family pension Scheme:-**
   The contractor shall submit along with his bill (month wise) a statement regarding deduction against employees provident fund and family pension scheme in respective
of each concerned employee, provident fund and family pension scheme at the rate at admissible (or at the rate made applicable by the Government from time to time) of the wages. The contractor’s contribution and his workers contribution towards provident fund and family pension scheme shall be deposited by the contractor with concern regional Provident Fund Commissioner office.

4) **Deposit Linked Insurance Scheme** :-
   The contractor shall have to deposit ½ % of the wage in respect of employees who is a member of the Provident Fund as the contribution to the deposit. Linked insurance Scheme with concern regional Provident Fund Commissioner office.

5) **Administrative Charges** :-
   Administrative charges for maintaining provident fund A/C shall be deposited by the contractor with concern regional Provident Fund Commissioner office at the rates applicable.

6) **Paid Leave Facility** :-
   Paid leave facility at the rate of one day for every twenty days worked by the contract labour shall be provided by the contractor to his workers. He shall maintain leave Records/leave cards for individual labourer which shall be duly verified and approved/certified by the authorized officer of the GETCO.

7) **Workmen’s compensation fund & Employer’s Liability Insurance** :-
   The contractor shall cover all his employees under workmen’s compensation fund and under the liability insurance. Insurance shall be affected for the entire contractor’s employee engaged in the performance of this contract. If any of the work is subject the contractor shall require the sub-contractor to provide workmen’s compensation and employer’s liability insurance for the latter’s employees unless such employees are covered under the contractor’s insurance.

8) The contractor shall employ adequate number of experienced staff at site for dial supervision and for maintenance of various register and records required under the law and contract No. payment for supervision shall be admissible.

9) **Contractor to Identify the GETCO** :-
   The contractor shall indemnify the GETCO and every member officer and employees of the GETCO also, engineering in charge and his staff against all actions, proceeding, claims demands, costs and expenses which may be made against the GETCO or Government for or in respective of formance of his obligation under the contract documents. The GETCO shall not liable for or in respective 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 such damage and compensation and against all claims, demands, proceedings costs, charges and expenses whatever in respective thereof in relation thereto.

10) The GETCO reserves the right to terminate this rate contract at any time during its tendency without giving notice of termination or any reasons thereof.

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

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Signature of Contractor

Superintending Engineer (TR)

GETCO, CO, Navsari
SECTION - E III

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

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

Check survey with minor survey work, if required,

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 (Trans) 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°.

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 informed the GETCO, but shall invariably assist and arrange for personal follow up to overcome the difficulties in the interest of progress of the work.

3.6 **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. If, 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 finalisation 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 (Trans), 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 (Trans) 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 shrinks 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 chiselling, 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)

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

For very complicated soil strata other than indicated above like soft rock-cum-submerged or hard rock-cum-submerged, normal-clayey-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)
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 alongwith 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 **ERECTON 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 at least 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 buried 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 groundwire shall be made to sag correctly as per stringing charts before they are finally transferred to the hardwares for conductors and to clamps for groundwire. No joint should be 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/groundwire 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 / groundwire is on the stringing sheaves before sagging-in, it shall be ensured that the conductor / groundwire 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 groundwire shall be done in accordance with the stringing charts approved by the GETCO. The groundwire shall be strung to run continuously over the conductors. The groundwire 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 earthwire 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/ groundwire 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, tesioning, 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 meeggered to check its insulation level. Afterwards a written confirmation should be given to the Engineer-in-Charge that the men, materials, tools and earthing (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 alongwith 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 month 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 (TR)**

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.

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Amount of Contract in Rs.</th>
<th>Penalty amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Up to → 1 Lac</td>
<td>Rs.5000/-</td>
</tr>
<tr>
<td>2</td>
<td>Above 1 Lac to → 10 Lacs</td>
<td>Rs.40000/-</td>
</tr>
<tr>
<td>3</td>
<td>10 to → 100 Lacs</td>
<td>Rs.100,000/-</td>
</tr>
<tr>
<td>4</td>
<td>&gt; 100 Lacs</td>
<td>1.0 %</td>
</tr>
</tbody>
</table>

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.

3.2.1 Safety equipments available and utilize.

(a) Helmet.

(b) Safety belt.

(c) Safety shoes.

(d) Live line Voltage detector

3.2.2 Safety procedure adopted.

(a) Permit to work

(b) Earthing at the place of work.

(c) Adequate supervision.

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

(a) P.P.rope.

(b) Wire rope and sling.
3.3 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 (TR)
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 reinforcing 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 overlapping 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 (TR)
GETCO, CO, Navsari
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
Line materials will be issued from following Store Centers:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Work</th>
<th>Store Centers for issue of line materials.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Shifting/Height raising of 220KV Vapi - Tarapur line &amp; 220KV Bhilad - Tarapur line for DFCC (Railway crossing).</td>
<td>Division (Const.) Store Vav</td>
</tr>
</tbody>
</table>

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 near by store centers without extra cost to the GETCO.
### DETAILS OF REPRESENTATIVE

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

**Name of the Bidder:** ____________________________________________

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Designation</th>
<th>Name</th>
<th>Qualification</th>
<th>Professional experience &amp; details of work carried out</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2) Project Manager</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2) Engineer-in-Charge of site work.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3) Site Engineer</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4) Number of Skilled Employees.</td>
<td></td>
<td>(Only Nos.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>5) Number of unskilled Employees.</td>
<td></td>
<td>(Only Nos.)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Signature of Authorised Representative**

*Company / Agency*

**NAME:** ________________________________

**STATUS:** ________________________________

**Name of tendering Company**

**Signature of Contractor**

**Superintending Engineer (TR)**

GETCO, CO, Navsari
Details of plant and equipment available on hand with the bidder for use on this work.

Name of the Bidder: _____________________________________________________

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Equipment</th>
<th>No. of Units</th>
<th>Kind &amp; make</th>
<th>Capacity</th>
<th>Age &amp; Condition</th>
<th>Present Location</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Signature of Contractor
Superintending Engineer (TR)
GETCO, CO, Navsari
SECTION – E IV

PART – B

SCHEDULE – 6

Details of erection orders executed by the bidder of various Transmission lines.

Period: (During last FIVE Years.)

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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Order No./Date</th>
<th>Description of work</th>
<th>Order Qty.</th>
<th>Order Amount</th>
<th>Name of Order placing authority</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Completion date as per order</th>
<th>Date of commencement of work</th>
<th>Date of actual completion of work</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note:-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 Authorised Representative
Company / Agency
NAME: _______________________
STATUS: ______________________
Name of tendering Company

Signature of Contractor

Superintending Engineer (TR)
GETCO, CO, Navsari
### FINANCIAL CAPABILITY

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Details</th>
<th>Amount Rs. In lacs</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Solvency</td>
<td></td>
<td>A scheduled Banker’s Certificate of present solvency be attached.</td>
</tr>
<tr>
<td>2</td>
<td>Annual turnover for last five years.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Price of the biggest job carried out.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Signature of Contractor
Superintending Engineer (TR)
GETCO, CO, Navsari
Based on available men power, tools-tackles, machinery and financial resources, our erection capacity is as under:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of activity</th>
<th>Unit</th>
<th>Capacity per Annum per gang</th>
<th>No. of Persons per gang</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Preliminary and check Survey including profiles.</td>
<td>Km.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Foundation a)</td>
<td>Nos.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>b)</td>
<td>Cu.M.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Tower erection</td>
<td>Nos.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Stringing</td>
<td>Km.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Signature of Authorised Representative

Company / Agency

NAME: _______________________
STATUS: _____________________

Name of tendering Company

---

Signature of Contractor

Superintending Engineer (TR)
GETCO, CO, Navsari
SECTION – E IV

PART – B

SCHEDULE - 9

LATEST INCOME – TAX CLEARANCE CERTIFICATE
SECTION – E IV

PART – B

SCHEDULE – 11

DETAILS OF PARTNERS / DIRECTORS WITH THEIR ADDRESS

Name of bidder: _______________________________________________________

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Designation</th>
<th>Name</th>
<th>Residence (address)</th>
<th>Working Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Signature of Authorised Representative

Company / Agency

NAME : ______________________

STATUS: ______________________

Name of tendering Company

Signature of Contractor

Superintending Engineer (TR)

GETCO, CO, Navsari
MEMORANDUM / ARTICLE

OF ASSOCIATION

OR CONSTITUTION OF FIRM

WITH THE NAMES OF

PARTNERS / DIRECTORS.

(TO BE SUBMITTED SEPARATELY WITH THE OFFER DULY SEALED AND SIGNED)
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.

(TO BE SUBMITTED SEPARATELY WITH THE OFFER DULY SEALED AND SIGNED)
THIS AGREEMENT is made at BARODA the__________ day of ___________ in the
Christian Year one thousand nine hundred ninety ___________ between M/s.
_____________________________________ (address of office) ________________
(hereinafter referred to as "THECONTRACTOR" which expression shall unless
excluded by or repugnant to the context include its successors or permitted assigns)
of the ONE PART and the Gujarat Energy Transmission Corporation Ltd, having their
Head office at Race Course, Baroda 390 007 (hereinafter called "The GETCO" which
expression shall unless excluded by or repugnant to the context include its successors
or assigns) of the SECOND PART.
WHEREAS the aforesaid The GETCO has accepted the tender of the aforesaid
contractor for work of

____________________________________ 
____________________________________

as per The GETCO's Order No. ________________________________

hereinafter called "the works" and more particularly described and
enumerated or referred to in the specification, terms and conditions prescribed in the
order letter, covering letter and other letters and schedule of price which for the
purpose of identification have been signed by Shri ______________________ (authorised signatory) on behalf of the
contractors and by the Chief Engineer (Trans), Gujarat Energy Transmission Corporation
Ltd, Vidyut Bhavan, Race Course, Baroda on behalf of the GETCO, a list whereof is
made out in the Schedule hereunder written and all of which said documents are
deemed to form part of this contract and included in the expression "The works"
wherever herein used, upon the terms and subject to the conditions hereinafter
mentioned.
AND WHEREAS the GETCO has accepted the tender of contractors for the work of

____________________________________ for sum of Rs. ______________________ Rupees (________________

____________________________________) upon the terms and subject to
the conditions herein mentioned.
NOW THIS AGREEMENT WITNESSESS AND IT IS HEREBY AGREED AND DECLARED

THAT.
The contractors shall do and perform all works and things in this contract mentioned
and described or which are implied therein or therefrom 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, erection and completion of the works agreed to by the contractor as aforesaid the GETCO doth hereby covenant with the contractor to pay all the sums of moneys as and when they become due and payable to the contractors under the provisions of the contract. Such payment to be made at such times and in such manner as is provided by the contract.

The conditions and covenants stipulated here-in-before in this contract are subject to and without prejudice to the rights of the GETCO to enforce penalty for delays and/or any other rights whatsoever including the right to reject and cancel on default or breach by the contractor of the conditions and the covenants as stipulated in the general conditions, specifications, forms or tender schedule etc. attached with The GETCO’s Order No. _____________________________________________________________.

The contract value, extent of works, completion dates, specifications and other relevant matters may be altered by mutual agreement and if so altered shall not be deemed or construed to mean or apply to affect or alter other terms and conditions of the contract and the general conditions and the contract so altered or revised shall be and shall always be deemed to have been subject to and without prejudice to said stipulation.

**SCHEDULE**

List of documents forming part of the contract:
The GETCO’s Tender Specification No. TR II/TL / ___________ and contractor’s offer opened on dated ____/____/199
The GETCO’s order No. TR II / TL/ ___________ Dtd. _____/_____/ 199
Contractor’s acceptance of order vide letter No. ________________
Contractor’s Partnership Deed dtd. ________________
Contractor’s Power of Attorney / The GETCO Resolution authorising person to sign on behalf of Firm.

In witness whereof the parties hereto have set their hands and seals this day and month, year first above written.

Signed, sealed and delivered by

For and behalf of M/s. _________________ (Signature)

________________________
Address : _____________________________

________________________

In the presence of (Name And Address)

i) ________________________________ (Signature)

________________________

ii) ________________________________ (Signature)

________________________
Signed, sealed and delivered by for and on behalf of Gujarat Energy Transmission Corporation Ltd
Sardar Patel Vidyut Bhavan, Race Course, BARODA - 390 007.

In the presence of name and address:
____________________________________
____________________________________
____________________________________

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 there of) 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.
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 upto and not exceeding Rs. ________________ (Rupees ____________________________) to the said 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 upto 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 Authorized Bank Officers along with their code numbers
SECTION – E IV
PART – C
SCHEDULE – 3
INDEMNITY BOND
(Non Judicial Stamp Paper of Rs. 100/-)

INDEMNITY BOND

KNOW ALL MEN BY THESE PRESENTS that we, Messers ________________________ (hereinafter called “the Contractor” which expression shall, where the context so admits, include their heirs, executors, administrators and legal representatives, successors and permitted assigns) are hereby held and firmly bind unto the Gujarat Energy Transmission Corporation Ltd (hereinafter called “the GETCO” which expression shall, where the context so admits, include its successors and assigns) to refund the full amount of steel cement and other materials supplied by the GETCO under the terms and conditions of A/T No. _______________ ________________ dated _______________ against any loss damage or deterioration of whatsoever nature occurs to said materials supplied by the GETCO and which are in the custody of the contractor at their works site, on behalf of the GETCO, at ______________ (name of line) ______________ and / or if any of the said materials, when inspected by any officer authorised 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 authorised 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
whateoer 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 authorised by the GETCO and produce at anytime when demanded.

THE WITNESS WHERE OF: We the
Said M/S ________________________
________________________________
(Signature of contractor)
(Seal of Firm)
hereto signed at ____________________
this day _________________________
In the presence of
________ Name _________________
_________address ________________  (Signature)
_________Name _________________
_________address ________________  (Signature)
# SECTION – E IV

## PART – C

### SCHEDULE – 4

#### DAY-TO-DAY PROGRESS REGISTER

Name of LINE:
A/T No.______________ Date: ________________

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Activity</th>
<th>Unit</th>
<th>Today Workdone</th>
<th>Materials utilised</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Foundation</td>
<td>Nos.</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>a) Excavation</td>
<td>Cu.m.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>b) Concrete</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>c) RCC Steel</td>
<td>MT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>d) Stubs</td>
<td>MT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Tower Erection/ ‘H’ frame erection</td>
<td>Nos.</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>a) Super Structure</td>
<td>MT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>b) 3 Mtr. Extension</td>
<td>MT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>c) 6 Mtr. Extension</td>
<td>MT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>d) 9 Mtr. Extension</td>
<td>MT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>e) 12 Mtr. Extension</td>
<td>MT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>f) Special Tower</td>
<td>MT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Stringing</td>
<td>KM</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>a) Conductor</td>
<td>KM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>b) Earthwire</td>
<td>KM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Any Other Activity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Benching/ground cutting</td>
<td>Cu.m.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>b) Revetment</td>
<td>Cu.m.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>c) Providing ACD</td>
<td>No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>d) Providing Accessories</td>
<td>No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>e) Tack welding (Per Tower)</td>
<td>Nos.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SECTION – E IV

PART – C
SCHEDULE – 5

PROGRESS REPORT

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

A/T No. & Date ________________________________________________________

Name of Line _________________________________________________________

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Erection Activity</th>
<th>Unit</th>
<th>Total Work Involved</th>
<th>Work done upto last fortnight</th>
<th>Work done during fortnight</th>
<th>Total work done upto this report</th>
<th>Balance work to be done</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Details of work done quantities :

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

Signature of Authorised Representative
Company / Agency
NAME: ____________________________
STATUS: __________________________
Name of tendering
Company
SECTION – E IV

PART – C

SCHEDULE – 6

SAG – TENSION (STRINGING) CHART

Sag and Tension Chart suitable for ________________Conductor / Earthwire.

Name of Line :

Order No.

<table>
<thead>
<tr>
<th>Loc. No. From To</th>
<th>Indiv. Span</th>
<th>Equiv. Span</th>
<th>T/S</th>
<th>Tension /Sag Values at temperature Deg. C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Min</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

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 – E IV

PART – C

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 : ____________________________________________________

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Items</th>
<th>Prov. Requir.</th>
<th>Receipt of Material from GETCO</th>
<th>Consumption of Material in Line</th>
<th>Actual wastage</th>
<th>Balance quantity of material in stock</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Qty. rcvd. Upto last month</td>
<td>Qty. rcvd. This month</td>
<td>Qty. utilised upto last month</td>
<td>Qty. utilised this month</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
</tbody>
</table>

signature of Authorised Representative

Company / Agency

NAME : ______________________

STATUS: ______________________

Name of tendering Company
SECTION - E IV

PART - C

SCHEDULE – 8

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

Reference No. Date :

To
The Chief Engineer (TR.)/V.P. (Project)
Gujarat Energy Transmission Corporation Ltd
Sardar Patel Vidyut Bhavan
Race Course
VADODARA – 390 007

Sub:_____________________________________________________________

_____________________________________________________________

Ref: A/TNo. __________________________________________________________

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.
SECTION – E IV
PART – C
SCHEDULE – 9
BANK GUARANTEE EXTENSION FORMAT
(To be executed on non-judicial stamp paper of Rs. 50/-)

(Name and address of the Bank issuing the Bank Guarantee extension.)

Place:

Date:

EXTENSION OF BANK GUARANTEE NO. ______________ Dtd._____________ of Rs. _________________________________.

The validity period of our subject Bank Guarantee issued in your favour on behalf of M/s. ________________________________ is hereby extended upto ________________________.

Notwithstanding any thing mentioned herein before, our liability under this guarantee is restricted to an amount not exceeding Rs.___________________(Rupees ___________________________ only) and it will remain in force till _________ (validity date) ______________.

All other terms and conditions mentioned in the original Bank Guarantee will remain unaltered. This extension forms an integral part of the above quoted original Bank Guarantee and may be kept thereto.

Place:

Signature of authorized Authority of Bank

Seal of Bank

Date:
GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
TRANSMISSION CIRCLE
Navsari

GETCO

TENDER SPECIFICATION
FOR

Shifting/Height raising of 220KV Vapi - Tarapur line & 220KV Bhilad - Tarapur line for DFCC (Railway crossing).

(Note: Price bid should not be submitted in hard copy)

PRICE BID
Part – II
(Price schedule)

TENDER NO.TCNS/ETP-101/2015
## SCHEDULE B

**ESTIMATE FOR SHIFTING/HEIGHT RAISING OF 220KV VAPI-TARAPUR LINE & 220KV BHILAD-TARAPUR LINE FOR DFCC (RAILWAY CROSSING)**

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Description</th>
<th>Unit</th>
<th>Qty.</th>
<th>Rate</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Original survey, preparation &amp; submission of profiles in 4 copies including excavation in any type of soil upto 3 Mtr of depth for trial pits. 2Nos of such pits in 1 Km length and providing pre-cast permanent concrete blocks /stones of 600 mmx30mmx100mm on each deviation point on entire line with chainage painted on it. The work includes excavation of trial pit of 1x1x3 mtr in any type of soil for classification of the said pit. The rate is inclusive of back filling of the pits so excavated after classification of soil for foundation.</td>
<td>KM</td>
<td>1.50</td>
<td>8863.77</td>
<td>13295.66</td>
</tr>
<tr>
<td>2</td>
<td>Check Survey</td>
<td>KM</td>
<td>1.50</td>
<td>5396.23</td>
<td>8094.35</td>
</tr>
<tr>
<td>3</td>
<td>Excavation excluding back filling, but including shoring, shuttering, dewatering, tree cutting for tower footings etc. for:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Normal soil either dry or wet /sandy soil</td>
<td>Cum</td>
<td>0.00</td>
<td>130.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>b) Black cotton soil either dry or wet</td>
<td>Cum</td>
<td>0.00</td>
<td>259.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>c) Normal submerged / marine soil where dewatering is necessary.</td>
<td>Cum</td>
<td>0.00</td>
<td>194.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>d) Black cotton submerged /marine soil where dewatering is necessary.</td>
<td>Cum</td>
<td>0.00</td>
<td>291.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>e) Soft rock</td>
<td>Cum</td>
<td>0.00</td>
<td>389.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>f) Hard rock</td>
<td>Cum</td>
<td>0.00</td>
<td>756.00</td>
<td>0.00</td>
</tr>
<tr>
<td>4</td>
<td>Installation of steel reinforcement in concrete foundation including supply of M.S. bars, binding wire &amp; their cutting, bending, binding and laying in position asper drawing.</td>
<td>MT</td>
<td>0.000</td>
<td>54800.00</td>
<td>0.00</td>
</tr>
<tr>
<td>5</td>
<td>Stub setting including back filling but excluding excavation and concreting etc for all types of towers /extensions except special towers. (Weight of stub, cleat &amp; template with Bolt &amp; nuts of stub &amp; template shall be counted.) (upto 6 Mtr Extn)</td>
<td>MT</td>
<td>0.000</td>
<td>3564.00</td>
<td>0.00</td>
</tr>
<tr>
<td>6</td>
<td>Concreting of foundation by 1:2:4/1:1.5:3 mixture including shoring, shuttering, dewatering etc for normal tower /tower with extensions upto 21Mtr. (Rates are with cement.)</td>
<td>MT</td>
<td>0.000</td>
<td>2700.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>a) 1:1.5:3 mixture (M20)</td>
<td>Cum</td>
<td>0.000</td>
<td>5697.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>b) 1:2:4 mixture (M15)</td>
<td>Cum</td>
<td>0.000</td>
<td>5285.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Description</td>
<td>Set</td>
<td>1.53</td>
<td>306.02</td>
<td>6035.90</td>
</tr>
<tr>
<td>---</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----</td>
<td>------</td>
<td>--------</td>
<td>--------</td>
</tr>
<tr>
<td>7</td>
<td>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 &amp; 50x6mm G.I.flat, bolts-nuts, salt, coal/charcoal etc. as per drawing.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Installation of earthing pits as per drawing attached herewith by providing <strong>100 mm inner diameter cast iron pipe (centrifugal casted, flange type)</strong> of 13 mm thickness and 3000 mm length. Work includes includes fabrication and fixing of GI strips for earthing connection as per drawing attached. Excavated earth holes should be filled by mixture of coke, charcoal, salt and black cotton soil up to top. Further this includes providing of Brick masonry chamber of size 650 mm x 650 mm and depth up to 1000 mm as per the instruction of EIC including light type CI cover with frame and applying 12 mm thick cement plaster in 1:3 inside and to all the exposed faces up to 300 mm below. Foundation level, curring etc. complete. Extra required materials for job such as C.I. pipe cover with frame, salt, cement, sand, charcoal, gravel, bricks etc. to be supplied by the contractor. Required bolt, nuts and washers, number plates or painted plates also shall be arranged by the contractor. Tentative quantity of salt and charcoal shall be 2.5 cu.m. <strong>material to be approved by EE const.</strong> TRF BAY : TRF-4, LA-3, Xmer BKR/CT/ISO - 1</td>
<td>No.</td>
<td>4.00</td>
<td>14647.59</td>
<td>58590.36</td>
</tr>
<tr>
<td>9</td>
<td>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 bolt nuts from board's stores etc. for normal, extension &amp; special towers at destination and keeping them in safe custody and transporting the same to erection site.</td>
<td>MT</td>
<td>36.00</td>
<td>4848.28</td>
<td>174538.08</td>
</tr>
<tr>
<td>10</td>
<td>Same as above but erection of 9/12/15/18/21 Mtr extensions portion only.</td>
<td>MT</td>
<td>8</td>
<td>5944.17</td>
<td>47553.36</td>
</tr>
<tr>
<td>11</td>
<td>Fixing of Anti climbing devices including supply of plates and supply of G.I. Bolt nuts &amp; tack welding as per drawing.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) 66KV</td>
<td>Loc</td>
<td>0</td>
<td>972.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>b) 132KV</td>
<td>Loc</td>
<td>0</td>
<td>112.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>c) 220KV</td>
<td>Loc</td>
<td>4</td>
<td>1694.54</td>
<td>6778.16</td>
</tr>
<tr>
<td></td>
<td>d) 400KV</td>
<td>Loc</td>
<td>0</td>
<td>1684.00</td>
<td>0.00</td>
</tr>
<tr>
<td>12</td>
<td>Fixing of DP/NP/PP/CIP including supply of plates and supply of G.I. Bolt nuts &amp; tack welding as per drawing.</td>
<td>Loc</td>
<td>4</td>
<td>2346.29</td>
<td>9385.16</td>
</tr>
<tr>
<td></td>
<td>Tack welding of nuts upto approx 10Mtrs height OR two bottom most panel from ground level at three places on the nuts diametrically and applying zinc rich paint immediately after tack welding.</td>
<td>Per Bolt</td>
<td>2000</td>
<td>7.54</td>
<td>15080.00</td>
</tr>
</tbody>
</table>
13 | Stringing of ACSR/AAAC conductors 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. **(Cold condition)**
---|---|---|---
a) Three conductors -- single circuit
1. ACSR Dog | Route Km | 0 | 0.00
2. ACSR Panther | Route Km | 0.00 | 0.00
3. ACSR Zebra | Route Km | 0 | 0.00
b) Six conductors -- Double circuit
1. ACSR Dog | Route Km | 0 | 0.00
2. ACSR Panther | Route Km | 0.00 | 0.00
3. ACSR Zebra | Route Km | 1.5 | 0.00

14 | Stringing of one ground wire including laying, jointing, tensioning, clamping, with accessories, jumpering & sisterwire, vibration damper earthbond, etc. & including tree cutting.
---|---|---|---
| Route Km | 1.50 | 8576.51 | 12864.77

15 | Dismantling of conductors and line materials of existing line with **cold condition** and crediting the material to GETCO’s store at Vav.
(6 conductors - D/C)
---|---|---|---
1. ACSR Zebra (1.1KM) | Route Km | 1.10 | 39756.60 | 43732.26
2. 1 Earth wire (1.1KM) | Route Km | 1.10 | 5095.70 | 5605.27

16 | Preparation of scaffolding on both side of Railway track for removal of old conductor and stringing new conductor for Railway crossing location with maintain safe clearance from existing 25KV Double Track DC railway line for safety and holding for two separate above job work within stipulated block time in accordance with safety and additionals jugar and resources with required tree cutting, soil cutting if any at site.
---|---|---|---
| Job | 1 | 85000.00 | 85000.00

16 | Painting of Telephone number on Tower/D.P. of the line for information of concern sub station.
---|---|---|---
| Loc. | 4 | 300.00 | 1200.00

17 | Dismantalling of any type of tower including transportation and crediting to nearest board’s store as per instruction of EIC
---|---|---|---
| MT | 30 | 4223.08 | 126692.40

18 | Cutting of stub of old tower to be dismanted including breaking of chimany/cutting of RCC up to 450mm below ground level and crediting stub & steel bar to board’s store and Back filling & leveling of site
---|---|---|---
| Per tower | 4 | 6517.48 | 26069.92

**Total Rs.: Seven lacs Sixty Thousand Six & Thirty one paisa only**
1. Workers’ Welfare cess will be reimbursed to the contractor on producing documentary evidence of payment. Amount will be intimated by the Owner.

2. Service Tax & welfare cess will be reimbursed as applicable only against submission of documentary proof of payment of service tax submitted to concern office along with monthly bill. If service provider is not liable for service tax due to turnover does not exceed prescribed limit under Finance Act, 1994 and rules, notification published there under time to time then it has to submit declaration for the same each year.

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 willing to carry out work at ________% Above/ Below of (estimated amount at (A) (In words ______ ______ ________% Above / Below) the Estimated rates at (A) mentioned above. Amount of Tender work out as under. Total amount of My Tender

Rs.____________________ Amt.in Rs.__________________________

____________________________________________________________

_____________________)

SIGNATURE OF CONTRACTOR
(With rubber stamp/seal of the company)  
SUPERINTENDING ENGINEER (TR)
GETCO, Circle Office, NAVSARI