TENDER SPECIFICATION

FOR

TENDER NO: TCNS/TR/ETRM-71/2026-27

Subject: **Augmentation of New 220/66kV 160 MVA Transformer No-4 with New Transformer bay, 220kV Bus Coupler bay Shifting and 66kV Erthan bay utilized as a TR No-4 LV at 220kV Popda SS approved under R&M Plan 2025-26 under Navsari(AM) Department.**

Estimate cost: ₹. 95,88,329.97

Tender fee: ₹. 5900.00 (with GST 18%)

EMD – ₹. 95,883.00

Time limit-04 months

(TECHNICAL BID)

GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED

TRANSMISSION CIRCLE OFFICE, NAVSARI -396427.

Telephone No.02637- 236058, Fax No. (02637) 236104
CIN: U40100GJ1999SGC036018
E-mail: setrnavsari.getco@gebmail.com **Website:** www.getcogujarat.com

E - TENDER NOTICE

SE (TR) invites "On line Tenders" (e-tendering) for the **"Augmentation of New 220/66kV 160 MVA Transformer No-4 with New Transformer bay, 220kV Bus Coupler bay Shifting and 66kV Erthan bay utilized as a TR No-4 LV at 220kV Popda SS approved under R&M Plan 2025-26 under Navsari(AM) Department."** From registered Contractors in appropriate class with GETCO / Central / State Government / Railway/Semi. Govt. and who has executed civil works successfully as mentioned in Qualification requirement criteria given in the tender document. Bidders should fulfill the all the qualification criteria. Otherwise their bids will not be considered & price bid will not be opened. All the bidders should have valid e-tender vender registration.

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

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

NO PHYSICAL DOCUMENTS TO BE SUBMITTED BY BIDDER

1	Tender Notice No.:	**TCNS/TR/ETRM-71/2026-27**
2	Name of work	**Augmentation of New 220/66kV 160 MVA Transformer No-4 with New Transformer bay, 220kV Bus Coupler bay Shifting and 66kV Erthan bay utilized as a TR No-4 LV at 220kV Popda SS approved under R&M Plan 2025-26 under Navsari(AM) Department**
3	Tender Fee (non-refundable)	**₹ 5900.00 (Including GST @ 18%)** **Payment of Tender fee will be accepted through RTGS / NEFT mode only)**
4	Estimated Tender cost Including GST	**₹. 95,88,329.97**
5	Earnest Money Deposit (EMD) amount	**₹. 95,883.00** **Payment of EMD will be accepted through RTGS / NEFT mode only)**
6	Time Limit	04 (Four) Calendar Months
7	Required Class of Contractor	As per QR
8	Type of Tender (Works)	Percentage Basis on FIRM PRICE
9	On line (E-tendering) tender/ offer submission last date up to 16.00 hours only (This is mandatory)	**As per Tender Notice Schedule**

10	Date of opening of Preliminary & Technical stage (on-line Opening)	**As per Tender Notice Schedule**
11	Tentative Date of on – line opening of Price bid, (if possible),	**Shall be intimated separately**

IMPORTANT:

(A) **All the online Annexures i.e. Annexure - 1 to 8 and price bid, other tender documents (refer Table-A) must be submitted/attached through online form only.**

(B) Bidder has to upload scanned copies of original (Notarized / self-attested copies of original – as specified in tender document) documents with bid and **no physical documents to be submitted by bidder.**

(C) All such documents should be strictly submitted through online uploading. Otherwise the offer will not be considered and no any further communication in the matter will be entertained on or before due date of submission. **However, of anywhere in tender documents submission of other than this document or physical submission mentioned to be overlooked.**

(D) Tender fees & EMD amount should be paid by **Online-payment mode only. Payment of Tender Fees & EMD by RTGS/NEFT/on line shall be encouraged. After the payment through RTGS/NEFT bidder has to mail following details:**

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

To:

a. **setrnavsari.getco@gebmail.com**
b. **decmgtrnavsari.getco@gebmail.com**
c. **aotr.navsari@gebmail.com**

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

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

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

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

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

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

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

(H) Tender will be evaluated on basis of Data / Details / Documents submitted by online form only.

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

(J) The bidders are required to fill up all the online annexure / forms (word file attached) and shall be

uploaded invariably. 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 upload supporting authentic documents in the online 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.)

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

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

(M) The GETCO reserves the right to award the work to one or more bidders, considering their technical and financial capacity OR to reject any or all tenders or accept any tender without assigning any reason thereof.

Any technical questions, information and clarifications that may be required pertaining to this enquiry should be referred to: **The Superintending Engineer (TR), Gujarat Energy Transmission Corporation Limited, Transmission Circle Office, Kabilpore, Navsari - 396427**

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

Yours faithfully,

Superintending Engineer (TR)

Navsari

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

GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
BARODA

GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
BARODA

Date :

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

OUR ENEAVOUR

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

GETCO COMMITMENT	PARTY'S COMMITMENT
□ To maintain the highest ethical standards In business and professional	□ Not to bring pressure / recommendations outside GETCO to influence its decision.
□ Ensure maximum transparency to the Satisfaction of stakeholders.	□ Not to use intimidation, threat, inducement or Pressure of any kind on GETCO or any of it's employees under any circumstances.
□ To ensure to fulfill the terms of agreement / contract and to consider objectively the viewpoint of parties.	□ To be prompt and reasonable in fulfilling the contract, agreement, legal obligations.
□ To ensure regular and timely release of payment on due dates for work done.	□ To provide goods and / or services timely as per agreed quality and specifications at minimum cost of GETCO.
□ To ensure that no improper demand is made by employees or by anyone on our behalf.	□ To abide by the general discipline to be maintained in our dealings.
□ To give maximum possible assistance to all the Vendors / Suppliers / Service provider and other to enable them to complete the contract in time.	□ To be true and honest in furnishing information including payment to agents / sub-agent.
□ To provide all information to suppliers/ contractors relating to contract / Job which facilitate him to complete the contract / job successfully in time.	□ Not to divulge any information, business details available during the course of business relationship to others without the written consent of GETCO.
□ To ensure minimum hurdles to Vendors/ suppliers / contractors in complete of agreement / contract / work order.	□ Not to enter into carter / syndicate / understanding whether formal / non-formal so as to influence the price.

_____
Seal & Signature
(GETCO Authorized Signatory)

_____
Seal & Signature
(Party's Authorized Person)

Name :
Designation :

Name :

Qualification Requirement

1 **Registration:** Bidder quoting for the bid shall have registration in appropriate class with GETCO.

2 **Experience**: Bidder shall have executed minimum 01 no. of 220/66 or 220/132 kV sub-station at GETCO OR 03 nos. of 220 kV bays i.e. Transformer/Feeder bays at same or different locations at GETCO. Sub-stations include minimum two nos. of feeder bays, one no. of transformer bay

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 **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**

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

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

8 I.T. Return copy of last 03 years along with profit loss and balance sheet.

9 Electrical Contractor's License with latest validation

10 **All documents submitted by bidder must be self-attested.**

Signature of Contractor

Superintending Engineer (TR)

GETCO, C.O., Navsari

CHECK LIST OF DOCUMENTS SUBMISSION

TABLE-A		
Mandatory to upload on-line only (pdf file)		
No.	**Particulars**	**Check Mark**
1	Scan of Tender Fee Amount / RTGS/NEFT payment receipt	
2	Scan of EMD Amount / RTGS/NEFT payment receipt	
3	Registration document as Approved Contractor in Appropriate Class	
4	Work completion certificate in Form No.3A (Experience Certificate as main contractor) only as Per Qualification Requirement	
5	Bank Solvency Certificate	
6	Provident Fund Code Number Documents	
7	GST Registration Number Documents	
8	Income Tax Return, Profit Loss Accounts and Balance sheet of Last Three Financial Years	
9	Nature of Firm:	
	Partnership deed/Latest Form-G/ POA/Authorized Signatory Certificate for Partnership	
	Self-Affidavit/POA/Authorized Signatory Certificate for Proprietorship	
10	PAN Number Document	
11	Electrical Contractor's Licence with latest validation	
12	Certificate of Registration as “Approved Vender” with GETCO (erstwhile GEB) OR Certificate of Authorized dealer of approved manufacturers along with certificate of registration of the original manufacturer with GETCO	
13	Filling Annexure 1 to 8	

Scope of Work

1. The Scope of the proposal shall be on the basis of a single Bidder's responsibility, completely covering all the services specified under the accompanying Technical Specifications.

The Bidder shall complete all the schedules & annexure in the Bid Proposal Sheets, technical Data Sheets and specified elsewhere.The scope of work is Augmentation of New 220/66kV 160 MVA Transformer No-4 with New Transformer bay, 220kV Bus Coupler bay Shifting and 66kV Erthan bay utilized as a TR No-4 LV at 220kV Popda SS approved under R&M Plan 2025-26 under Navsari(AM) Department. as per standard specification and standard practice of GETCO and as per EIC.

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

Safety Clause

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

    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. 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:

Sr. No	Amount of Contract in Rs.	Penalty amount per person
1	Up to →1 Lac	Rs.5000/- plus GST as applicable
2	Above1 Lac to → 10 Lacs	Rs.25000/- plus GST as applicable
3	10 to → 100 Lacs	Rs.100,000/- plus GST as applicable
4	> 100 Lacs	1.0 % plus GST as applicable

2. **Reporting**:-

    1. The contractor shall inform concerned Ex. Engineer Const/TR in writing within 09 hours of fatal/Non-fatal accident occurred to human being.
    2. The GETCO investigating officer findings in to accident shall be final and binding to the contractor /Agency.

3. Safety Requirement:

    i) 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.

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

        I. Safety equipment available and utilize.
            (a) Helmet.
            (b) Safety belt.
            (c) Safety shoes.
            (d) Live line Voltage detector

        II. Safety procedure adopted.
            (a) Permit to work
            (b) Earthing at the place of work.
            (c) Adequate supervision.

        III. T & P physical Check. (Healthiness and Quality)
            (a) P.P.rope.
            (b) Wire rope and sling.
            (c) Earthing rod

        IV. 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)

        V. During subsequent visit, if violation is found, then double penalty shall be deducted from the bill of the Contractor/Agency.

WORK & SAFETY REGULATIONS

1. The contractor shall ensure proper safety of all the workmen, materials, equipment & plant & belonging to him or to GETCO or to others, working at the site. The contractor shall also be responsible for provision of all safety notices and safety equipment required both by the relevant legislations and Engineer, as he may deem necessary.
2. Contractor has to provide ISI marked ELCB / MCB having sufficient capacity of standard make at point of supply.
3. All equipment used in construction and erection by contractor shall meet Indian/International Standards and where such standards do not exist, the contractor shall ensure these to be absolutely safe. All equipment shall be strictly operated and maintained by the contractor in accordance with manufacturer's operation manual and safety instructions and as per guidelines/ rules of GETCO in this regard.
4. Periodical examinations and all tests for all lifting/ hoisting equipment & tackles shall be carried – out in accordance with the relevant provisions of Factories Act 1948, Indian Electricity Act 1910 and associated Laws/Rules in force from time to time. A register of such examinations and tests shall be properly maintained by the contractor and will be promptly produces as and when desired by Engineer or by the person authorized.
5. The contractor shall provide suitable safety equipment of prescribed standard to all employees and workmen according to the need.
6. The contractor shall provide safe working conditions to all workmen and employees at the site including safe means of access, railings, stairs, ladders, scaffoldings etc. the scaffoldings shall be erected under the control and supervision of an experienced and competent person. The contractor only shall use good and standard quality of material.
7. The contractor shall not interfere or disturb electric fuses, wiring and other electrical equipment belonging to the owner / other contractors under any circumstances, whatsoever, unless expressly permitted in writing to handle such fuses, wiring or electrical equipment.
8. Before the contractor connects any electrical appliances to any plug or socket belonging to the other contractor or owner, he shall:
    a. Satisfy the Engineer that the appliance is in good working condition;
    b. Inform the Engineer of the max. current rating & voltage of the appliances;
    c. Obtain permission of the Engineer detailing the sockets to which the appliances may be connected.
9. The Engineer will not grant permission to connect until he is satisfied that;
    a. The appliance is in good condition and is fitted with suitable plug
    b. The appliance is fitted with a suitable cable having two earth conductors, ones of which shall be an earthed metal sheath surrounding the cores.
10. No electric cable in use by the contractor/ Owner will be disturbed without prior permission. No weight of any description will be imposed on any cable and no ladder or similar equipment will rest against or attached to it.
11. No repair work shall be carried out on any live equipment. The equipment must be declared safe by the Engineer and a permit to work shall be issued by the Engineer before any repair work is carried out by the contractor. While working on electric lines/ equipment, whether live or dead, suitable type and sufficiently quantity of tools will have to he provided by the contractor to electricians/ workmen/ officers.
12. In case any accident occurs during the construction/ erection or other associated activities undertaken by the contractor thereby causing any minor or major fatal injury to his employees due to any reason, whatsoever, it shall be the responsibility of the contractor provide medical facility / treatment & to promptly inform the same to the Engineer in prescribed form and to also to all the authorities envisaged under the applicable laws.
13. The Engineer shall have the right at his sole discretion to stop the work, if in his opinion the work is being carried out in such a way that it may cause accidents and endanger the safety of the persons and/or property and/or equipment. In such cases, the contractor shall be informed in writing about the nature of hazards and possible injury/ accident and he shall comply to remove shortcomings promptly. The contractor after stopping the specific work can, if felt necessary, appeal against the order of stoppage of work to the Engineer within 3 days of such stoppage of work and decision of the Engineer in this respect shall be conclusive and binding on the contractor.
14. The contractor shall not be entitled for any damages/ compensation for stoppage of work due to safety reasons and the period of such stoppage of work will not be taken as an extension of time for completion of work and will not be the ground for waiver of levy of liquidated damages.
15. it is mandatory for the contractor to observe during the execution of the works, requirements of safety rules which would generally include but not limited to following;

a. Each employee shall be provided with initial indoctrination regarding safety by the contractor, so as to enable him to conduct his work in a safe manner.
b. No employee shall be given a new assignment of work unfamiliar to him without proper introduction as to the hazards incident thereto, both himself & his fellow employees.
c. Employee must not leave naked fires unattended, smoking shall not be permitted around fire prone areas and adequate fire fighting equipment shall be provided at crucial location.
d. There shall be a suitable arrangement at every work site for rendering prompt and sufficient first aid to the injured.
e. Requirements of ventilation in underwater working to licensed and experienced divers, use of gumboots for working in slushy or in inundated conditions are essential requirements to be fulfilled.

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

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

Taxes applicable extra.

Permanent disablement shall have same meaning as indicated in workmen's compensation Act. The compensation mentioned above shall be in addition to the compensation payable to the workmen/ employees under the relevant provisions of the laws as applicable from time to time. In case the owner is made to pay such compensation then the contractor is liable to reimburse the owner such amount in addition to the compensation indicated above.

ANNEXURE-A

OUR ENDEVOUR - Safety a habit

To create environment where Business Confidence is built through Best Business Practices and is fostered in an atmosphere of trust and respect between providers of goods and services and their users for the ultimate benefit of society a the nation, safety guidelines are agreed upon by the agency as under.

Safety is our prime concern and zero accident is our goal. In order to prevent the accident, while execution of works in indoor and outdoor systems of GETCO, the following guideline and preventive measures are identified.

Indoor safety precaution	Outdoor safety precaution
The method of work required T&P and manpower should be discussed between GETCO supervisor, contractor's supervisor and gang leaders.	The method of work required T&P and manpower should be discussed between GETCO supervisor, contractor's supervisor and gang leaders.
Prior to execution of work a joint survey must be conducted by GETCO supervisor and contractor's supervisor for risk assessment. • 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.	Prior to execution of work a joint survey must be conducted by GETCO supervisor, contractor's supervisor and DISCOM line man in order to identify the following : a. HT/LT line or tap line crossing under each span of line of the work. b. Isolation point of each line crossing. c. Each line crossing & isolation point under each span must be discussed and noted in maintenance register with sketch.
Following safety guidelines are mandatory for all contractors operating in GETCO premises for Electrical, non-electrical & civil works. 1. The contractors must provide advance planning of work to concerned in-charge of substation in writing. 2. Before starting any work whether switch yard, "permitto allowtowork" 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 labours will not be allowed at working site/ in the switchyard and in the prohibited area.	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.

electrician/wiremen with adequate size of wire through MCB as per I.E. Rule. - Live penal area / bus bar must be isolated and sealed / bifurcated with red colour tape for visible warning. - Display Board must hang on LCP panel. - Transformer must be switched off whenever and wherever contractor and line workers are not satisfied with isolation, earthing or any equipment performance of GETCO, it will be pointed out and work shall begin only after resolution. Contractor shall not take up job in absence of GETCO authorized person. All wire temporary connection & material whenever erection activity has any connection and disconnection work of bus bar, string bus.	
All workers / labour of contractor & supervisors must use personal protective equipment (PPE) during the work like gloves, safety belt, Safety shoes, Helmet, earthing rods, etc, duly approved by GETCO.	All workers / labour of contractor & supervisors must use personal protective equipment (PPE) during the work like gloves, safety belt, Safety shoes, Helmet, earthing rods, Live line detector etc, duly approved by GETCO.
The local earthing must be done at the place of work before execution of any work.	The local earthing must be done at the place of work before execution of any work.
11 kV breaker in panel must be switched off and racked out only after ensuring no voltage in breaker and without door opening.	Circuit breaker opening is not an isolation and isolator on either side must be opened. No work during rains and cloudy weather condition.
	Transmission line activities. 1) Used of Voltage detector to ensure outage. 2) Earthing at three point, local, left & right side of bus bar / string bus. 3) Match line colour code with colour of wrist band.
	Local earthing of electrical equipments like filter M/c, welding machine, testing kits etc. is must. Crane shall only be used for material handling and erection. Working platform shall only be used for work in switchyard.

GENERAL COMMERCIAL CONDITIONS :-

The Gujarat Energy Transmission Corporation Ltd., Navsari hereinafter called 'GETCO'/ 'OWNER' intends to receive bids **Work of erection of 66kV transformer bay approved under R&M plan 2025-26 at various sub stations under Ichhapore Transmission Division..** 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. TENDER FEE:

Tender fee (Non-refundable) plus GST @18 % on it as applicable as notified in the tender notice should invariably be paid by way of NEFT/RTGS in the "Name of Company.", Payable at Navsari Only.

Indian Postal Orders (IPO's) & cheque are not acceptable

PRICES:
Prices quoted should be FIRM and on F.O.R. Destination basis (i.e. any of the stores of COMPANY in Gujarat). However, the Tenderer should indicate in the Schedule– "B" (i.e. Price Bid), the break-up of Total Unit F.O.R. Destination Price and Total Unit End Cost with GST and Cess as applicable stating the Unit Ex-works price, freight, packing & forwarding charges, Insurance Charges,GST and Cess as applicable separately in price bid, which is a must. .

If the Supplier/Contractor has opted for the Composition scheme of GST, the same must be clearly specified with valid Declaration & Certificate from Department. In the event of withdrawal/cessation of the Supplier from Composition scheme during the tenure of the contract, the rate (i.e. price) mentioned in the price bid shall be final and any additional GST will have to be borne by the tenderer himself. In no case additional amount towards GST or otherwise will be paid / reimbursed to supplier/contractor. Further Statutory Variation clause will not be applicable in case of Supplier / Contractor has opted for Composition Scheme under GST.
Also, please mention separate applicable HSN / SAC Code and rate of GST and Cess as applicable for each item of Goods/Service. If not specifically mentioned then COMPANY will have the option to take the prices as exclusive of taxes and duties at maximum higher slab rates for the evaluation of the tenders.

The offered prices to be indicated in online mode of tender in the format given (i.e. Schedule-B). The price bid submitted in physical mode shall not be considered.

The Tenderer should invariably indicate the total unit end cost price considering all their costs / calculations in the Price bid itself for each item and all sub-items if any. This is a must. Cost components hidden / furnished elsewhere will not be considered and will be ignored out rightly.

Every bidder shall inform their GSTIN No. of the registered place(s) wherefrom the bidder intends to supply the goods / services, meaning thereby the bidder has to supply the goods / services from the relevant declared / registered place of supply only.

3.

4. **Earnest Money Deposit:**
   a. **Bidders are requested to pay an earnest money deposit (1% of estimated cost) by RTGS/NEFT only on any Nationalized Bank at Navsari for the amount as specified in the tender notice. Payment of EMD in form of Cheque or any other form shall not be accepted.**
   b. **The EMD shall be submitted along with submission of Technical bid only.**
   c. **Tenders no accompanied by EMD shall be rejected.**
   d. **If during the tender validity period, i.e. 180 days, the tenderer withdraws his tender, the EMD shall be forfeited and the tenderer may be disqualified from tendering for future works of GETCO.**
   e. **The EMD will be returned promptly to the unsuccessful tenderer. The EMD will be returned to the successful tenderer after he furnishes the Security Deposit for performance and duly enters into the contract. If he fails to furnish the SD or to execute the contract for the work offered to him, his EMD shall be forfeited and the tenderer may be disqualified from tendering for further works for GETCO.**

5. All commercial terms and conditions except rates shall be indicated in the technical & commercial bid only.

6. The Tenderers shall specifically note that the Tenders are invited on percentage basis only.
7. Arithmetical error will be rectified on the following basis :
   a. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between the total bid amount and the sum of total costs, the latter shall prevail and the total bid amount will be corrected accordingly. If there is a discrepancy between work and figures, the amount advantageous to the Owner will prevail. If the bidder does not accept the correction of the errors as above, his bid will be rejected and the amount of EMD will be forfeited. The bidder should ensure that the prices furnished in various price schedules are consistent with each other.
   b. In the case of any inconsistency in the prices furnished in the specified prices schedules to be identified in Bid Form, the Owner shall be entitled to consider the highest price for the purpose of evaluation and for the purpose of award of Contract use the lowest of the prices in these schedules.
   c. Prior to the detailed evaluation, the Owner will determine the substantial responsiveness of each bid to the Bidding Document. For purpose of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the Bidding Document without material deviations. A material deviation is one which affects in any way the prices, quality, quantity or delivery period of the equipment, completion of works or which limits in any way the responsibilities or liabilities of the Bidder of any right of the Owner as required in these specifications and documents. The Owner's determination of a bid's responsiveness shall be based on the contents of the bid itself without resource to extrinsic evidence.
   d. A bid determined as not substantially responsive will be rejected by the Owner and may not subsequently be made responsive by the Bidder by correction of non-conformity.
8. The tenderers will ensure submission of the Tenders duly filled in before the due date and time.

Security deposit: -

Successful bidder will have to pay 5% of contract value deposit for satisfactory completion of work within 10 days of issue of LOI. If Bidder fails to pay security Deposit within 10 days of issue of LOI then EMD will be forfeited.

100 % Security Deposit will be payable by bidder either in **DD** payable at Navsari Local Branch Or

In form of Bank Guarantee from Schedule/ Nationalized bank will be acceptable if the amount of security deposit payable exceeds Rs. 50,000/- bank guarantee will be furnished as per the approved format of the corporate office.

The Bank Guarantee should have a clear one-time validity till the complication of the work in all respect as per GETCO's nomes.

1. GETCO will accept the BG issued by nationalized banks and reneowned private sections banks i.e. ICICI bank, HDFC Bank and Kotak Mahindra Bank which shall also be in accordance with the circular issued by the finance department, Govt. of Gujarat from time to time.

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

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

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

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

The security Deposit will be refunded only after the completion of 1 year guarantee period of work completed or finalization of final bill whichever is later.

9. ***Contract Period :-*** *The time allowed for completion the work is 04* ***(Four) months*** *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.*

10. 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.

Goods and Service Tax (GST) :

The F.O.R. Destination prices are excluding GST and Cess as applicable which will be paid extra on a given taxable goods and/or services within the original contractual delivery period. The amount and% of GST and Cess as applicable should clearly be indicated separately. (GST/Cess means all applicable Tax/Cess under GST Laws. GST Laws means IGST Act, GST(Compensation to the State for Loss of Revenue) Act, CGST Act, UTGST Act and SGSCT Act, 2017and all related ancilliary legislations).

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

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

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

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

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

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

INPUT TAX CREDIT BENEFIT

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

INCOME TAX:

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

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

11. **WELFARE CESS:-**

1. 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
2. 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.

   OR

   If you had not employed on any day of the preceding twelve months, ten or more building workers in any building or other construction work as prescribed under the provisions of Building & Other Construction Workers' Welfare Cess Act, 1996. Due to that the provisions of Building & Other Construction Workers' Welfare Cess Act, 1996 is no applicable and labour department is not giving registration under Building & Other Constructions Workers' Welfare Cess Act, 1966. So they are insisting for waiver of registration under Building & Other Construction Workers' Welfare Cess Act, 1996. In those cases, you have to furnish the following documents with respect to each order placed and site wise.
   i. Annexure-1 on the stamp paper of Rs. 300 duly notarized.
   ii. Annexure-2 duly acknowledged by labour department.

   The above documents (copy enclosed) should be submitted before passing 1st RA bill.
3. 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.
4. 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.
5. 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.
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. The welfare cess shall be reimbursed to the contractor on submission of copy of documentary evidence of payment by observing due formalities.

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

13. The contractor will have to give indemnity bond for material on Non-judicial Stamp paper of value **Rs. 300/-** to GETCO as per attached format. **The cost of stamp paper will be borne by the contractor.**

14. The contractor will have to give safety cum indemnity on Non-judicial Stamp paper of value **Rs. 300/- 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.**

15. ***Also the successful bidder will have to execute Agreement on stamp paper of value Rs.300/- 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.**

16. 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 occur due to bad workmanship, it is the duty of the contractor to rectify / replace the same at his own cost. If within seven days from the date of receipt of such notice, the contractor does not take up the work, same will be carried out at his risk and cost.

17. 10% retention money will be deducted from each R.A. Bills against material issued to contractor.

18. 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.

19. 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.

20. 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.

21. The tenderer will be abided by and fulfill all the terms and provisions of the "Tender & Contract" for works as applicable and incase 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**.**

22. 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.

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

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

25. 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.

26. 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.

27. 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.

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

29. 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.

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

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

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

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

34. The contractor has to remain in close day to day contact with Engineer in charge of work i.e. **SE (TR) Navsari** who will issue detailed instruction for the commencement of the work.
35. 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.
36. All other general terms and conditions as prevailing in the GETCO shall be applicable to the contract.

37. 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.
38. 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.
39. 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.
40. 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.
41. 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.
42. 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.
43. Specification in any items mentioned in tender are subject to change without any prior notice and binding to the contractor.
44. 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.
45. 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.
46. 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.
47. 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.
48. No subcontractor, Power of Attorney shall be allowed without prior approval of competent authority.
49. 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.
50. No tools, tackles, manpower, crane facilities etc. will be provided by the GETCO.
51. 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.
52. 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.
53. 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.

54. Power supply :-

The concerned EE (Const.) shall apply for 11KV Transformer Center at the site of new Substation and for which concerned DISCOM shall erect the required line and install the

transformer Center, for which, the cost is to be borne by GETCO. Subsequently, the Agency finalized for contract by GETCO, shall apply for temporary connection to the concerned DISCOM Sub-Division paying required Service Charges and Deposit. Such temporary connections to be released on the name of Contractor on recommendation of the concerned EE (Const.). The power so consumed shall be charged at the prevailing tariff rate, and same is to be borne by contractor.

55. 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.

56. 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.
57. 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.
58. 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 there from the amount due by him to the GETCO. The GETCO shall not entertainfurther claim from thereafter.
59. 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.
60. **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.
61. 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.

62. STATUTORY VARIATION:

Any statutory increase or decrease in the taxes and duties including GST and Cess as applicable or in the event of introduction of new tax/cess or cessation of existing tax/cess subsequent to suppliers offer if it takes place within the original contractual delivery date will be to COMPANY's account subject to the claim being supported by documentary evidence. However, if any decrease takes place after the contractual delivery date, the advantage will have to be passed on to COMPANY.

Statutory Variation clause will not be applicable in case of Supplier / Contractor has opted for Composition Scheme under GST.

36. Billing and Payment Terms

(a) The contractor shall have to submit the RA bill of order to the concerned DeputyEngineer of sub-division of concerned division for payment once in a month period.
(b) 80% payment of amount claimed covering various activities such as excavation, foundation, erection, earthing, stringing of bus bar and earth-wire including insulator hoisting works against R.A. bills duly certified by EIC within 60 days from the date of R.A. bill.

(c) Balance 20% 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. All the payment shall made through RTGS/NEFT only.

(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.

1. 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.

2. 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 authrotiy.

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

4. **CONTRACTOR'S SITE ESTABLISHMENT**

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

5. CO-OPERATION WITH OTHER CONTRACTORS

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.

6. 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 CONDICATION FOR TENERER:-

1. TAKING DELIVARY AND INSURANCE:-

1.1 The contractor has 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 is 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 estimated cost of s/s material is approx.. ₹ 32.56 lacs

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 plus GST as applicable subject to ceiling of 10% of the total contract value will be imposed.*

Due consideration will be given for waiver/ levy of penalty(excluding GST already collected and paid to the Govt. treasury thereon) only for the reasons absolutely beyond suppliers' control (e.g. Force Majeure conditions as laid down in the DGS & D) for which documentary evidence will have to be provided.

TERMS & CONDITIONS REGARDING INDUSTRIAL LAWS AND OTHER RELATED MATTERS

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 contact 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 throughout the working hours.

2) Labour Laws

(N) Person below the age of 18 years shall not be employed for the work.

(O) No. female worker shall be employed in the night shift between 7 p.m. to 6 a.m.

(P) 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.

(Q) 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 inury.

(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.

(12) Any statutory variation in Taxes / Duties including GST and cess as applicable in India during contractual delivery schedule shall be payable / receivable as mentioned in earlier clause.

(13) **Dispute Resolution Mechanism:**

'All questions, disputes or differences, whatsoever which may at an time arise between the parties to this contract in connection with the contract or any matter arising out of or in relation there to, shall be referred to the "gujarat public works contracts disputes arbitration tribunal" as per the provisions of the gujarat public works contracts disputes arbitration tribunal act, 1992.

1. **Amicable Settlement**

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

2. **Arbitration**

   If the Parties fail to amicably resolve the disputes or differences or contrary claims as indicated herewith in sub clause (1) of Clause 29(1) arising under or in connection with the present works contracts, whether pertaining to works contracts alone or works and procurement both, the same shall be referred to arbitration under the Gujarat Public Works Contracts Disputes Arbitration Tribunal Act, 1992."

The reference to arbitration proceedings under this clause shall not:

a) Affect the right of the Engineer-in-charge to take possession of all or any tools, plants, materials and stores, in or upon the work or site thereof or belonging to the contractor or procured by him and intended to be used for the execution of the work or any part thereof.

b) Preclude the Engineer-in-charge from utilizing the materials purchased by the Contractor in any work or from removing such materials to other place, during the period the work is stopped or suspended in pursuance of notice given to the contractor under General Conditions.

c) Entitle the contractor to stop the progress of the work or carrying out the additional or altered work in accordance with the provision of General Conditions for the work where there is no specification.

d) Preclude the Corporation from getting the work done by another agency.

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

The provisions of the Arbitration & conciliation Act, 1996, Gujarat Public Works Contract Disputes Arbitration Tribunal Act, 1992 and rules made there under shall apply to the arbitration proceeding under this clause.

SAFETY CUM INDEMNITY BOND

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

KNOW ALL MEN BY THESE PRESENTS that we, _____By this SAFETY CUM INDEMNITY BOND Executed on this _____Day of ___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 favour of the Gujarat Energy Transmission Corporation Limited (GETCO), Vadodara a State Transmission Utility under The Electricity Act, 2003 having its registered office at Sardar Patel Vidyut Bhavan, Race course, Vadodara.(hereinafter called as GETCO, which expression shall mean and include its legal representative, administrators assigns) has agreed under the terms and conditions of the contract no. _____Dated_____made between _____and_____ for the contract of the _____value of Rs. _____interalia on Production of Safety cum Indemnity Bond.

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

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

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

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

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

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

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

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

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

c. That, if during the course of execution of work as stated in the contract order mentioned hereinabove issued by the OBLIGEE, it is found that the CONTRACTOR has not complied with guidelines as per Annexure-A or terms and conditions / formalities within the meaning of Employees' State Insurance Act,1948 (ESI) or Workmen Compensation Act 1923 or any other laws relating to the Labour Welfare for the time being in force, and also has not observed the safety norms in accordance with the law prevailing at the place of work/job to the satisfaction of the GETCO, the GETCO shall have the right to stop the execution of work/job and the period of such stoppage shall not be taken into account for the calculation of the total period of completion of work for which the CONTRACTOR is responsible to complete the work/job and it will be deemed that discontinuance was due to default of the CONTRACTOR .

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

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

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

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

Sr.No	Amount of Contract in Rs.	Penalty amount
1	Up to 1Lac	Rs.5000/- plus GST as applicable
2	Above1Lac to 10Lacs	Rs.40000/-plus GST as applicable
3	10 to 100 Lacs	Rs.100,000/- plus GST as applicable
4	>100Lacs	1.0%of contract value plus GST as applicable

b. 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.

c. 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).

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

(Signature with seal of The CONTRACTOR)

In the presence of:

1.

2.

INDEMNITY BOND

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

INDEMINITY BOND

KNOW ALL MEN BY THESE PRESENTS that we, Messer's _____ _____ (hereinafter called "the Contractor" which expression shall, where the context so admits, include their heirs, executors, administrators and legal representatives, successors and permitted assigns) are hereby held and firmly bind unto the Gujarat Energy Transmission Corporation Ltd (hereinafter called "the GETCO" which expression shall, where the context so admits, include its successors and assigns) to refund the full amount of materials supplied by the GETCO under the terms and conditions of A/T No. _____ _____ dated _____ against any loss damage or deterioration of whatsoever nature occurs to said materials supplied by the GETCO and which are in the custody of the contractor at their works site, on behalf of the GETCO, at _____ (name of S/S / line) _____ and / or if any of the said materials, when inspected by any officer authorized by the GETCO in this behalf, is found to be damaged, lost, deteriorated in quality or quantity, the contractor hereby agrees to bind himself to indemnity and at all times keep indemnified the GETCO against all loss, damage and deterioration to the any material supplied by the GETCO during his custody and shall pay in cash on demand from the GETCO within 30 days the market value of such materials which is lost, damaged or deteriorated in full to the GETCO and shall also hereby authorize the GETCO to deduct the said sum from any sum due to the contractor or any sum which may at any time become due to the contractor under the above referred contract or any other contract entered into by the contractor with the GETCO.

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

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

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

The contractor shall keep the said materials open at all times for inspection by the officers authorized by the GETCO and produce at 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

1. _____ Name _____

_____address _____ (Signature)

2. _____Name _____

_____address _____ (Signature)

PROFORMA FOR CONTRACT AGREEMENT

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

This Agreement is made at BARODA the_____ day of _____ in the Christian Year Two thousand four between M/s. _____ (address of office) _____ (hereinafter referred to as "THE CONTRACTOR" which expression shall unless excluded by or repugnant to the contract include its successors or permitted assigns) of the ONE PART and the Gujarat Energy Transmission Corporation Ltd, having their Head office at Vidyut Bhavan, Race Course, Baroda 390 007 (hereinafter called "The GETCO" which expression shall unless excluded by or repugnant to the context include its successors or assigns) of the other part.

WHEREAS the aforesaid GETCO has accepted the tender of the aforesaid contractors for _____

_____

___ as per GETCO's Order No. _____ _____ hereinafter called "the works" and more particularly described and enumerated or referred to in the specification, terms and conditions prescribed in the order letter, covering letter and other letters and schedule of price which for the purpose of identification have been signed by Shri _____ on behalf of the contractors and by ---------- ---------- on behalf of the GETCO, a list whereof is made out in the Schedule hereunder written and all of which said documents are deemed to form part of this contract and included in the expression "The works" wherever herein used, upon the terms and subject to the conditions hereinafter mentioned.

AND WHEREAS THE GETCO has accepted the tender of contractors for the construction of the said works for the sum of Rs. _____ Rupees (_____ _____) upon the terms and subject to the conditions herein mentioned.

NOW THIS AGREEMENT WITNESSESS AND IT IS HEREBY AGREED AND DECLARED THAT.

1. The contractors shall do and perform all works and things in this contract mentioned and described or which are implied therein or there from respectively or are reasonably necessary for the completion of the works as mentioned and at the times, in the manner and subject to the terms and conditions and stipulations contained in this contract, and in consideration of the due provision, executions, supply and completion of the works agreed to by the contractor as aforesaid the Board doth hereby covenant with the contractor to pay all the sums of moneys as and when they become due and payable to the contractors under the provisions of the contract. Such payment to be made at such times and in such manner as is provided by the contract.
2. The conditions and covenants stipulated here-in-before in this contract are subject to and without prejudice to the rights of the Board to enforce penalty for delays and / or any other rights whatsoever including the right to reject and cancel on default or breach by the contractor of the conditions and the covenants as stipulated in the general conditions, specifications, forms or tender schedule etc. attached with GETCO's Order No. _____ _____.

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

SCHEDULE

List of documents forming part of the contract:

1. GETCO's Tender Specification No. _____ and contractor's offer opened on dated ____/____/2014
2. GETCO order No. Dtd. _____ / _____/ 2014
3. Contractor's acceptance of order vide letter no. _____.
4. Contractor's Partnership Deed dtd. _____.
5. Contractor's Power of Attorney / Board Resolution authorizing person to sign on behalf of Firm.

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

1) Signed, sealed and delivered by
(Signature with name, Designation and official seal)

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

_____

Address: _____

_____

In the presence of (Full Name, Address and Signatures)

i) _____ (Signature)

_____

_____

ii) _____ (Signature)

_____

_____

2) Signed, sealed and delivered by

(Signature with name, Designation and official seal)

for and on behalf of Gujarat Energy Transmission Corporation Ltd Const Divi. Navsari.

In the presence of name, Full address and Signature:

(1)_____

_____

(2)_____

_____

Annexure-A

On the stamp paper of Rs.300 and notarized (Original to be submitted).

AFFIDAVIT

I/We, _____properietor/partner/director of _____aged about _____years and residing at _____and having registered office at _____ do hereby solemnly affirm and state on oath as under:

I/We say that

Had not employed on any day of the preceding twelve months, ten or more building workers in any building or other construction work as prescribed under the building & other construction workers' welfare Cess Act, 1996.

So the provisions of building & other construction workers' welfare Cess Act, 1996 is not applicable to me/us.

Am/are liable for any financial or non-financial implication arises on me/us or/and on GETCO due to:

1. Any non-compliance of provisions of building & other construction workers' welfare Cess Act, 1996 by me/us and

2. False declaration in respect of serial no.1

The above mentioned facts are true and correct to the best of my knowledge, information and belief.

Hence solemnly affirmed on this_____ day of _____month _____at _____place

Seal & Signature of the contractor

Place:

Date:

Annexure-B

(On the letter head of the firm/company and with labour department acknowledgement)

(This letter is to be sent by contractor to the labour department and must having stamp and acknowledgement of labour department)

I/We have been awarded work of _____vide order no._____Dtd._____of Rs._____by office of _____, Gujarat Energy Transmission Corporation Limited having. It is to state that the establishment had not employed on any day of the preceding twelve months, ten or more building workers in any building or other construction work. So the provisions of building & other construction workers' welfare Cess Act, 1996 is not applicable to the establishment.

Seal & Signature of the contractor

Place:
Date:

GENERAL TECHNICAL CONDITION:

1. The erection work should be carried out according to the specification and as per instructions and programmed laid out by the Engineer in-charge of the work.
2. The contractor should employee as Supervisor with sufficient qualification and experience who can supervise the execution of work throughout. He should always be present on the site.
3. The GETCO will supply steel section required for earth mesh/ structure, G.I. / MS Strip required for completion of earthing work. The wooden charcoal, salt, black cotton soil, G.I. Pipe, C.I Pipe, nuts and bolts and lugs etc required for completion of earthing work shall be arranged by the contractor. However scope for supply of material as per schedule-B shall be final and binding to agency.
4. Cutting, bending, welding, brazing, wherever necessary is to be done by the contractor.
5. Erection of panel board is includes shifting in control room – bolting with side panel – leveling of panel with proper grouting as per instruction of Engineer-in-charge.
6. The contractor has to carry out all the works in accordance with revised and latest provision under I.E. Rules Act made there under and as per instruction of Engineer in charge.
7. Contractor has to co-ordinate E.I.C. for planning of outage and work schedule thereof, so as to complete all the planned work in outage. Contractor has to deploy adequate manpower accordingly.
8. It will be bidder's sole responsibility for erection of complete line/equipment in all respect as per the provision of I.E. Rules and procedures and as per the instruction of Engineer in charge.
9. In addition to the general of the construction particular, attention shall be paid to the final finish and every effort shall be made to have the entire work contented with standard of workmanship by the contractor.
10. **Electricity Rules**: -All the works shall be carried out in accordance with latest rules under Electricity Act.
11. **Testing**: - Complete installation shall be put to the necessary test as required and shall be got approved by Government Electrical Inspector.
12. CONTRACTOR'S MATERIALS BROUGHT TO SITE
    a) The Contractor shall bring to Site all materials, including construction equipment, tools and tackles for the purpose of the works under intimation to the Engineer. All such goods shall, from the time of their being brought vest in the Owner, but may be used for the purpose of the works only and shall not on any account be removed or taken away by the Contractor without the written permission of the Engineer. The Contractor shall nevertheless be solely liable and responsible for any loss or destruction thereof and damage thereto.
    b) After the completion of the Works, the Contractor shall remove from the Site under the direction of the Engineer the materials such as construction equipment, erection tools and tackles, scaffolding etc. with the written permission of the Engineer.

13. FIELD OFFICE RECORDS

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

14. Contractor shall purchase all brought out items as per schedule-B with taking prior approval from Executive Engineer (Const), GETCO, Navsari. Any item without approval shall not be permitted and GETCO shall not be responsible for accept such items.

15. **DISCIPLINE OF WORKMEN**

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

16. CONTRACTOR'S FIELD OPERATION

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

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

17. PROGRESS REPORT

The Contractor shall furnish three (3) copies each to the Engineer of progress including if any, photographs of the work done at Site. The monthly progress report detailing-out the progress achieved on all erection activities shall highlight comparison to the schedules. The report shall also indicate the reasons for the variance between the scheduled and actual progress and the action proposed for corrective measures, wherever necessary.

18. MAN-POWER REPORT

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

19. Contract Quality assurance:

The Bidder shall include in his proposal the Quality Assurance Programme containing the overall quality management and procedures which he proposes to follow in the performance of the Works during various phases. At the time of Award of Contract, the detailed Quality Assurance Programme to be followed for the execution of the Contract will be **mutually discussed and agreed and such agreed Programme shall form a part of the Contract.**

If the Tenderer fails to pay the Security Deposit or defaults in execution of the orders placed or if COMPANY suffers any financial loss due to this, then COMPANY will be at liberty to adjust the amount plus GST as applicable from other orders of the same firm or by encashing the Bank Guarantee.

SPECIAL TECHNICAL CONDITION:

1 All erection work is to be carried out as per the manual of OEM (Original equipment manufacturer), FQP, approved drawing, specification and instruction of E.I.C.

2 All equipment erection charges are inclusive of shifting dragging handling of the respective equipment up to S/S erection site from its S/S site store.

3 Contractor has to ensure safe shifting dragging erection of all equipments to comply with labour laws I.E. rules etc.

4 All erection charges are inclusive of fixing of clamp connectors, all necessary accessories to the respective equipments.

5 Transformer erection charges cover shifting, dragging, handling etc. for its bushings, radiators, conservator tank and allied accessories and oil filling, filtration (if require).

6 All erection work includes erection insurance to be arranged by the contractor at his cost.

7 All the required tools and tackles like compression jointing machine for conductor, earth wire, cutting machine, welding set, drill machine, etc are to be arranged by the contractor at his cost.

8 Contractor should complete transportation within one job as per schedule if applicable. No extra payment will be given in any case other than this job.

9 If filtration of transformer is required in any case the filter machine shall be arranged by Contractor at his own cost.

10 Earthing pit activities should be done in such a way in presence of GETCO supervisor that final earthing pit resistance should be record as per standard. All expenditure like sufficient watering to maintain earth resistance up to the mark should be born by contractor.

11 All the brought out items get to be approved from DE/EE invariably for its specifications and quantity to be order out only as per instruction of EIC looking to the site condition. Payment will be given for those quantity for which clearance given from EIC and not for those which is mentioned in A/T

12 The executions of bore are to be carried out as per soil strata in consultation with E.E.

13 The Classification of hard rock strata should be got approved from E.E. invariably.

14 Contractor has to make arrangement for site engineer and skill labours for maintaining all activities and records as per FQP. Also assisting to staff/Engineer in charge to take IR values, Earth pits values, name plate detail, oil samples etc all activities relative to commissioning of project.

15 Contractor has to make arrangement for skill labours for assisting to commissioning engineer, PLCC staff/engineer, SMS/CMS/CRM/DCRM/testing staff/Engineer, Staff of as an when require as per instruction of Engineer in charge.

16 After completion of project successful bidder has to submit all the records like battery charging report, control wiring schedule, earth pit lay out, earthing grid layout, power cable lay out, yard light pole and ckt lay out etc in hard and soft copy for handing over the project.

17 For Colony & Yard lighting and Control Room Industrial Electrical wiring works the rates quoted shall be inclusive of providing and fixing / Installation ,testing and commissioning of complete Control Room lightings, Ceiling Fans, Exhaust Fans etc.

18 All items / materials shall be installed / erected in accordance with specified manuals /technical guide lines of the manufacturer and as per instruction of EIC.

19 Cable laying, Circuit distribution and Fixture fixing shall be carried out as per GETCO Standard Drg. No. GETCO/E/06S-STD/S-013 (R0) Sheet 1 to 3 of 3 and as per Instruction of Engineer In charge.

20 Control Room Wiring, Fixing of fixture, Ceiling fan & Exhaust fan etc shall be carried out as per Standard Drawing No. GETCO/E/6S-STD/S-015 (R0) Sheet No 1 & 2 of 2. and GETCO/E/6SSTD/S-013 (R0) Sheet No 1 of 3 and as per instruction of Engineer In charge.

21 For entire control Room, Office & store etc. building wiring is to be done by Providing and fixing of ISI Marked GI conduit pipes 20mm dia. & 1.6 mm wall thickness size (Minimum Size) and PVC insulated stranded copper wire of FENOLEX/ANCHOR make as per relevant IS.

22 Total tilting angle for the flood light luminaries provided on pole is considered as maximum of 45 degree, looking to the tilting angle 20 degree available with luminaries it self & supporting pipe should be fabricated & welded accordingly. Also arm for fixing of Flood light luminaries shall be fix as per required angle & direction as per instruction of EIC.

23 EE/DE will decide the make of luminaries, fan, cable, MCB, Switches etc. and same is to be inspected at authorize depot.

24 Yard light pole should be inspected at the cost of contractor.

25 Successful bidder has to appoint site engineer to maintain site register and FQP as per ISO.

26 All work should be done according to ISO & FQP and all require documents including filled FQP, testing results, etc should be submitted while handing over the project.

27 The rates are with supply of cement by the contractor.

28 Control wiring must be executed as per standard Ferruling philosophy circulated by GETCO letter No;- CE(Engg)/PROT/V/Circular/346 dated. 14.03.2014. wiring terminations are to be made with standard Ferruling philosophy only.Only machine printed ferrules (Black letters on white tube) shall be utilized for each and every work.

29 Contractor has to make all required mechanical and electrical setting of all the isolators by deputing skill technician and offer for final inspection of all isolators.

30 All the brought out supply items shall be provided only specific make mention in schedule-B. No any alternative make shall be allowed.

31 Contractor has to submit the planning bar chart before starting the work in kickoff meeting.

32 Contractor has to complete all the work related to this title in stipulated outage period as per instruction of EIC

33 After successful completion / commissioning of work awarded to agency in all respect, security arrangement shall be made by GETCO subjected to advance intimation at least 15 days before work completion. Till security arrangement by GETCO, contractor is responsible for security of project.

34 All the work related to the transmission line like detailed survey, check survey, tower/DP foundations, material testing, tower/DP erection, stringing, final testing, etc should be carried out as per GETCO'S standard FQP for transmission line.

35 All work should be done according to ISO & FQP and all requier documents including filled FQP, testing results, etc should be submitted while handing over the line

36 While calculating the weight of stub-setting, the weight of stub, cleat & templetes shall also be added in stub weight.

37 Red oxide & zinc rich paint shall be applied after tack welding of nuts.

38 The rate indicated includes taking delivery of all stringing material Board's stock at destination keeping them in safe custody and transporting the same to erection site

39 Earthing pit activities should be done in such a way in presence of GETCO supervisor that final earthing pit resistance should be record as per standard. All expenditure like sufficient watering to maintain earth resistance up to the mark should be born by contractor.

40 After completion of project successful bidder has to submit all the records like Final as build check survey, profile, clearance, foundation register, soil classification record, stringing chart, material inventory sheet etc in hard and soft copy for handing over the project.

41 The successful bidder shall depute qualified and experienced site engineer during the work execution by contractor. In case the contractor doesn't engage qualified and experienced site engineer having qualification of BE/Diploma (Electrical) from recognized university, penalty of Rs. 10000/- per month from RA/Final bill shall be deducted and it will be non-refundable.

Special Technical Condition for Yard lighting & C.R.Building Electrification Work

1. Laying and termination of 415 V, PVC armored power cable from lighting panel to the junction box at the bottom of the gantry to lighting fixtures receptacles & looping from one gantry to other shall be buried underground. Contractor shall quote the unit price of cable erection separately. Cables glands and lugs are included in contractor's scope.
2. Laying & termination by 415 V, PVC armored power cable from street lighting panels to street lighting poles and power cables for looping from one gantry to gantry shall be in the scope of lighting contractor. These cables shall be buried underground. Cable glands and lugs are included in contractor's scope.

3. Materials & components not specifically stated in this specification & which are necessary for satisfactory installation & operation of the lighting system shall be deemed to be included in the scope of the specification.
4. The design manufacture & performance of equipment shall comply with all currently applicable statues, regulations and safety codes in the locality where the equipment will be installed. Nothing in this specification shall be construed to relieve the bidder of these responsibilities.
5. Unless otherwise specified, equipment offered shall confirm to latest applicable Indian and IEE standards. Equipments complying with one another authoritative standards such as British, U.S.A., V.D.E., etc., will also be consider if it insures performance equivalent of supplier to Indian Standards. In such cases the bidder shall clearly indicate the standard adopted and furnish a copy of the latest English version of the standards along with the tender should there by any dispute of design, work shall be followed.
6. Indian Standards as per latest amendment should be followed :-
   (i) IS : 1913 -General & Safety requirement for Electric Lighting Fittings.
   (ii) IS : 3523 -Water Proof Electric Lighting Fittings.
   (iii) IS : 4012 -Dust Proof Electric Lighting Fittings.
   (iv) IS : 4013 -Dust Tight Electric Lighting Fittings.
   (v) IS : 1777 -Industrial Lighting Fittings with Metal Reflectors.
   (vi) IS : 3287 -Industrial Lighting Fittings with Plastic Reflectors.
   (vii) IS : 0993 -Well glass Lighting Fittings for use underground in mines. (Non flamp proof type).
   (viii) IS : 1947 -Specification of Flood Light.
   (ix) IS : 2149 -Luminaries for Street Lighting.
   (x) IS : 2183 -High Pressure Mercury Vapor Lamps.
   (xi) IS : 1534 -Ballasts for use in Fluorescent Lighting Fittings (PART-I).
   (xii) IS : 1569 -Capacitors for use in Fluorescent Lamps.
   (xiii) IS : 2215 -Starters for Fluorescent Lamps.
   (xiv) IS : 2713 -Tubular Steel Poles.
   (xv) IS : 5133 -Steel & Cast Iron Boxes.
   (xvi) IS : 2629 -Hot Dip Galvanizing of Iron & Steel.
   (xvii) IS : 694 -PVC Insulated Cables for Working Voltage up to & including 1100 V
   (xviii) IS : 732 -Code of practice for Electrical Wring Installation (System Voltage not exceeding 650 Volts.)
   (xix) IS : 3043 -Code of Practice for Earthing.
   (xx) Indian Electricity Act.
   (xxi) Indian Electricity Rules.

7. The Standards mentioned above are available from Indian Standards Institution.Manek Bhavan,9, Bahdoor Shah Zafar Marg, New Delhi – 110 001.
8. All Sodium Lamps fixtures shall be complete with accessories like balasts, lgnintors,Power Factor Improvement Capacitors etc. This shall be mounted as possible in the fittings assembly only. If these can not be accommodated inside, then a separate metal enclosed box shall be included to accommodate the accessories and in addition with fuse & terminal block suitable for Loop – In – Loop – Out connections. Outdoor type Weather proof box. They shall indicate starting time of this lamps to get full light out put. Curves for starting characteristics and variation of lamp characteristics with varying supply voltage etc to be furnished by the bidders.
9. Each lighting fixture shall be provided with and earthing terminal suitable to connection to 8 SWG G.I. Earthing Conductor.

10. Cable Termination Box:-

1. Cable Termination Box for gantry structures, shall be completely weather proof Confirming to IPW 55 and provided with lockable door & HRC fuse mounted on fuse Carrier and fuse base assembly. The terminal shall be stud type and suitable for two nos. 4 mm^2 cable necessary arrangement for glanding cable along with supply of gland are included in tender scope.
2. The bolts, nuts & screw required for erection is to be supplied by the contractor at His own cost.
3. Outside and inside the cable terminal boxes shall be supplied by the contractor at his colours.
4. Finished painted appearance on equipment shall aesthetically pleasing appearance, free from dots and uneven surface.
5. Touch up paint at site shall have to be done, if necessary.

11. STREET LIGHT POLES:-

1. The structure/pole & wall mounted G.I. pipe post shall be supplied with one "SINTEX" make SMC junction box described in Schedule'B' heavy duty bakelite connector,brass Neutral link, rewire able fuse, rubber gaskets etc.
2. The junction box should be provided with proper bracing arrangement on structure/ wall by means of G.I. strips. The junction box should have two holes at the bottom to accommodate two siemens type tinned brass cable glands of suitable size for cable to be used. The cable glands of approved make should be supplied by the contractor.
3. The wall mounted G.I. Pipe post shall be painted with one coats of Anti -Corrosive oxide primer & two coats of Aluminium paint. as per instruction of Engineer – In – Charge.

12. INSTALLATION OF POLES AND WALL MOUNTED G.I. PIPE POST:-

The G.I. Pipe post shall be fixed on the face of wall at suitable height, by means of 3 pairs of wall clamps, nuts and bolts.

13. CABLE WORK:-

PVC Insulated PVC cuter and inner sheath, armoured copper conductor cables suitable for 1100 Volts A.C. as per IS : 1554 (Part – I – 1964) of size as specified in schedule of quantities. The cables should be approved make, any of following, Unicable C.C. / Unistrar / Gloster / I.C.C. or equipment, subject to approval of Competent Authority.

14. GENERAL PRECAUTIONS FOR HANDLING OF CABLES:-

1. Before laying cables there shall be tested for physical damage, continuity absence of cross phasing, insulation resistance to earth and between conductor,insulation resistance tests shall be carried out with 500 / 1000 volts megger.
2. The cable shall be supplied for site wound on wooden drum as far as possible. For smaller length and sizes cables in properly coiled from can be accepted. The cables shall be laid by mounting the drum of cable on drum shall be mounted on a properly supported axle and the cable laid out from the drum in no case the cable will be rolled on as it produces kinks which may damage the conductor.
3. Sharp bending and kinking of cables shall be avoided. The bending radius for PVC insulated & sheet armoured cables shall not be less than 10 'D', where 'D' is overall dia. Of the cable armoured cable shall never be concealed in roads with G.I. Pipe conductor R.C.C. pipes, required pipes will be supplied by the contractor. After drawing cable, the end of the pipe shall be sealed with cotton/bituminous compound

15. LAYING OF CABLES (UNDERGROUND SYSTEM):-

1. Cables shall be so laid in ground that, these will not interfere with otherunderground structures. All water pipe sewage lines or other structure whichbecome exposed by excavation shall be properly supported and protected from injury until the filling has been rammed solidly in places under and around them. Any Telephone or other cables coming in the way are to be properly shielded / diverted as directed by the Engineer – In – Charge. Cables shall be laid at a minimum depth of 750 mm from ground level.Excavation will generally be in ordinary alluvial soil. The width of the trench shall be sufficient for laying of required number of cables. The surface of the ground after back filling the earth, shall be made so as to confirm in all respects to the surrounded ground and to the entire satisfaction of site Engineer.
2. For wall mounted fixture the cable shall be laid in wall, by using grooved wooden base block G.I. saddles, screw etc.
3. Joints in the cable through out its length of laying shall be avoided as far as Possible and if unavoidable, prior approval of site Engineer shall be taken. If allowed proper straight through epoxy joint shall be made without any additional cost. A loop of one meter of each length of cable shall be left near each street light pole. Also a loop of one meter shall be provided on both ends of the cable. This additional length shall be used for fresh termination in future. Cable for this loop shall be paid for supply &laying

16. TERMINATION AND JOINTING OF CABLES:-

On both ends of cables suitable size brass heavy duty cable glands shall be used before it enters junction box/ main LT panel/ joint box etc. armour of cable shall be connected to earth point.

17. EARTHING TO G.I. PIPE/ STRUCTURE/POLES & FIXTURE :-

1. Each fixturestructure/wall and G.I. Pipe post shall be earthed by coil type earthing. 10 SWG G.I. wire coil (10 cms. Dia x 45 Cms. Length) shall be buried in specially prepared Earth pit of depth 1.5 Mtr. Necessary G.I. wire including coil, salt (10 KGs. per pit) & Charcoal/ coke (10

Kgs. per pit) required for earthing, shall be supplied by the Contractor. The upper end of G.I. earthing wire shall be fixed on each pole and G.I. pipe post by means of 2 Nos. of 8 mm.dia. Brass bolts and nuts with washer as shown in drawing shall be made available with pole. There should not be any joint of G.I. earth wire, in between earthing terminal of pole and bottom end of coil.

2. The common earthing shall be done for two post – top luminaries installed on main gate of the switch yard for measurement recording. The quantity will be considered as ONE only and no extra payment will be made, for common earthing.

18. <u>INSTALLATION STREET LIGHTING LUMINAIRES:-</u>

This include fixing of street light fitting complete with accessories and lamp on The pole/ bracket, connecting it with 2 x 2.5 sq. mm (710.67 mm) Dia. PVC insulated and PVC sheathed copper flexible conductor and commissioning the same.

19. <u>INSTALLATION POST TOP LUMINAIRE:-</u>

This includes providing & installation of post top lantern complete with all accessories & lamp connection it with 2 x 2.5 sq. mm. (710.67 mm Dia) PVC insulated & PVC sheathed copper flexible conductor testing & commissioning the same.

20. All the fitting required for fixing the luminaries, such as reducer, coupler, gasket & all types of hardware shall be provided by the contractor himself. All tools and Tackles required for the entire work shall also be arranged by the contractor. In any case Board will not provided any such facility, whatever.

21. All materials shall be got approved from E.E./D.E. Construction, Navsari before commencement of work. If there is any dispute regarding interpretation of specifications. The decision of E.E. Construction, Navsari shall be final and binding to the contractor.

22. **<u>SPECIFICATIONS:-</u>**

The fitting will have to be supplied and the work will have to be carried as per specification attached herewith and the same should be got approved by the Executive Engineer, Navsari. The successful bidder has to follow strictly standard design of illumination for 66 KV Sub-Station as per circular No: CE(Project)/SE(Proj)/V/4858 Dtd: 09-06-2008 issued by C.E.(Pro) details are as under.

1. GETCO Technical Specification Illumination
2. Annexure –I (Fitting detail of Control Room).
3. Annexure-II (Luminance details for switch yard area).
4. Standard drawing for switchyard Illumination No: GETCO/E/06S-STD/S-013 (Sheet 1 To 3).
5. Standard drawing for Control Room No: GETCO/E/06S-STD/S-015 (Sheet 1 & 2).

If any change in quantity as well as specification will be intimated well in advance before commencement of work & accordingly the successful bidder has to carryout the work & procure the required items.

<u>Technical Specification</u>

<u>Erection of equipment</u>

1. All the equipment to be opened carefully and any damage during opening of equipment cases or during shifting at erection places will be at Contractor's cost.
2. Before erection of equipment it should be cleaned properly or if required may be washed as per instruction Engineer-in-charge.
3. Before erection initial testing of equipment whatever is required is to be done with the help of Engineer-in-charge for which no any extra charge will be paid.
4. Arrangement of erection is to be got inspected by Engineer-in-charge before erection of equipment and its structure.
5. No any extra charges are to be paid if any equipment is required to change its position as per requirement after erection.
6. Within the sub-station yard no any extra shifting charge will be paid to the Contractor for any equipment.
7. The detailed drawings of equipments can be seen from this office/concerned field/division during any working day and the equipments which are to be erected can also be seen physically at Wankaner/ Navsari store or at store specified by the EIC during any working day and time.

8. The erection work should be carried out according to the specification as per instructions and programmed laid out by the Engineer in charge. Contractor has to ensure safe shifting and erection of all accessories/ equipments as per standard norms.
9. The contractor has to arrange for minor fabrication (if required) at free cost & follow all labour laws I.E. Rules safety rules, Insurance rules, GETCO rules at his risk & cost.

Erection of 220 kV GI structures

1. All the structuresareto be erected in line level and in plumb as per instruction of Engineer-in-charge.
2. If any structure falls after erection but before grouting then it will be responsibilities of Contractor to get replaced damaged members at his cost.
3. After taking delivery of the structures from GETCO stores,contractorwill be fully responsible for safe custody and theft of which will be at Contractor's cost till completion of work.
4. During erection due care is to be taken for any damage to any equipment inside the S/S yard and any damage to the equipment is at Contractor's Cost.
5. Required tools, tackles, ropes, spanners and skilled labours etc. are to be arranged by the Contractor at his cost.
6. All bolt and nuts should be fixed properly and spring washer, flat, washer to be used as per drawing.
7. If any minor fabrication / modification is required during erection to the structure i.e. holes, cutting, which is to be carried out by the Contractor at free of cost.
8. Any loose materials which obstacles during the erection are to be shifted by the contractor for which no extra charges are to be paid.

Sub-station structure and equipment earthing

1. Earthing pits are to be excavated as per standard drawing and as per instruction of Engineer-in-charge of Project.
2. Generally in rocky / soft rock strata mesh type earthing are to be provided from scrap /flat which will be given to the contractor at free of cost for which account to be submitted and necessary fabrication welding, joining with pipe is to be done by the contractor.
3. Back filling and watering of earthing pits is to be done in the presence of GETCO Supervisor only.
4. Contractor has to arrange watering in such way that resistivity of each pit should come to the required limit.
5. For laying of earthing strip inside the sub-station yard for equipment and s/s structure contractor has to be carry out as per the specification is to be laid properly by making welding joint and bolt wherever is required.
6. In case of hard strata contractor has to fill-up earthing trench after laying of strip by black cotton soil.
7. All earthing joints are to be welded with structure of equipment by means of proper welding and bolt with structure and with the earthing pits. All the welded joints are to be painted with Aluminium Paint.
8. For earthing GETCO will supply only G. I. Strip & Scrap for mesh, remaining materials such as salt-cock pipe etc. is to be supplied by the contractor.
9. All earthing joints including the earthing trench are to be made over lapped with earthing strip.
10. The earthing mat laying should be done as per approved drawing.
11. Arrangement of earth pit (check pit) & pipe earthing should be done as per drawing No: GETCO/E/06S/STD/P-011. (2 sheet)
12. Equipment earthing should be done as per drawing No: **GETCO/E/06S/STD/P-012 (sheet 1 to 09).**

Bus-bar and earth wire stringing

1. For stringing of conductor any size or any type is to be utilized which must be properly cut after taking correct measurement.
2. Conductor to be spread in a straight condition and no any twist is permitted if any twist is there then same is to be replaced by the Contractor at his cost.
3. No any scratches should be allowed during spreading bus conductor.
4. All disc insulators are to be cleaned and all the 'W' pin must be ensured before fixing to the conductor.

5. Before taking the tension of bus conductor on gantry beam, beam tension plate bolt, nuts to be checked and tightened. No over tension is to be allowed during tensioning of conductor and sag of conductor is to be kept as per instruction of Engineer-in-charge.
6. Wherever spacers are required, they should be provided at regular interval as per instruction of Engineer-in-charge.
7. Jumpering is to be done as per standard practice however it must be done with taking proper care of clearance between conductor and column.

Laying of control cables and termination

1. Before laying of control cable proper schedule of cable showing length of each cables is to be prepared and is required to be approved by Engineer-in-charge.
2. Cable should be laid in such a way that no any twisting of cables is to be found or no cable should be cut under length or over length.
3. All cables are to be laid and clamped inside the cable trench as per the instruction of Engineer-in-charge.
4. Cable markers should be provided nearby termination at both ends.
5. Wherever there is no cable trench for small equipment and having a small length about 10 meters, cable should be laid by providing half round gutters for above 10 meter. If half round gutter is required same will be supplied by the GETCO at free of cost.
6. For termination of control cable required size of cable glands copper lungs ferrules tap, sleeves, etc. are to be supplied by the Contractor at his cost.
7. All cables terminated inside the panel / equipment with giving proper shape and clamping and taping no any cable leads to be got earthed.
8. Complete cable schedule in triplicate is to be given by the contractor with giving details of each termination of cables from one end to other end with giving cable number and size of cable and this to be approved by Engineer-in-charge. For preparing the schedule necessary drawing will be provided by the GETCO. And contractor will be paid extra charges for preparation of schedule which is to be approved by Executive Engineer.
9. During testing of control wiring of panel / equipment, contractor has to witness the job and any changes is required that is to be done by the contractor without any charge.
10. Any fabrication is required inside the kiosk box / panel / equipment for fixing of glands and clamps is to be done by the contractor at his cost.
11. The Control wiring work should be carried out according to the specification and as per instructions and programmed laid out by the Engineer-in-charge of the work.
12. The Control wiring work should be commenced immediately from the date of receipt of instructions from office and should be completed within thereafter.
13. Erection of Battery Charger includes shifting in control room – bolting with side panel – leveling of Battery Charger with proper grouting as per instruction of Engineer-in-charge.

1.10 SUPPLY OF MATERIALS BY GETCO:-

1) G I Structures, accessories, attachments, bolts-nuts etc.

2) Conductor, conductor accessories, earth wire, earth wire accessories.

3) Insulators, insulator hardware's. G.I.strip
4) 66 Kv equipments with accessories and control and relay panels
5) Various sizes of armored control cables and LT control cables.
6) PLCC equipments and PLCC panels.

Following materials / equipments will be procured / arranged by the contractor activities for 66 KV& above class sub stations.

1) Tools tackles required for erection activities. And stringing.
2) Earthing materials, MS rod, GI strip, filter machine, hydraulic crane and hydraulic jointing machine/welding machines. CI pipe, coal, salt etc.

A/T ACCEPTANCE LETTER: -

(TO BE SUBMITED ON FIRM'S LETTER HEAD)

Ref. No.

Date:

To,

The Superintending Engineer (TR)

Gujarat Energy Transmission Corporation Ltd,

Power House Compound,

Station Plot

Navsari – 360 311

Sub: _____

Ref OrderNo. _____

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

(Signature)

Designation _____

Gujarat Energy Transmission Corporation Ltd.

Annexure-I								
Details of experience in last two years from the due date of tender								
Sr. No.	Name of s/s	Order reference no. & Date	Order value	Nos. of sub-stations/feeder bays	Due date of completion	Date of completion	Order fully executed Yes/No	Status if order under execution
A	Gujarat Energy Transmission Corporation Ltd.							
1								
2								
3								
4								
5								
B	Other state electricity board							
1								
2								
3								
4								
5								
C	Private Firms							
1								
2								
3								
4								
5								

Annexure-I(A)			
List of work completion certificate submitted with technical bid			
Sr.No.	Name of work	Name of the authority by whom the work completion certificate issued	Reference No. & Date
1			
2			
3			
4			
5			

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

TENDERER'S DETAILS OF PERSONNEL (II-A)

Sr. No.	Description &Details of position	Name	Qualification	Professional Experience & details of works carried out	Remarks
1	2	3	4	5	6

Annexure-III

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

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

Signature of Authorised Representative

Company / Agency

NAME: _____ STATUS: _____ Name of tendering Co mpa ny

Signature of Contractor **Superintending Engineer (TR) GETCO, CO, Navsari**

Annexure-IV

FINANCIAL CAPABILITY

Sr. No.	Details	Amount Rs. In lacs	Remarks
1	2	3	4
1	Annual turnover for last three years.		
2.	Price of the biggest job carried out.		

Signature of Authorised Representative

Company / Agency

NAME: _____ STATUS: ____

Signature of Contractor

Superintending Engineer (TR) GETCO, CO, Navsari

APPENDIX – V

Qualification Requirement.

Contractor must fill up below details & should place at the top of the Technical Bid.

Sr No:	**List of Documents**	
1	Registration with GETCO	Class – Ref NO.___ valid up to
2	P.F. No.	GJ/
3	Partnership deed/Proprietor (Notarized copy)	
4	Power of Attorney (Notarized copy)	
5	Bl. Sheet / P&L A/C, Statement of last three years.	
6	Latest Solvency certificate.	Rs. Lacs issued by Bank, branch dtd.
7	**GST Registration No.**	
8	PAN NO	
9	Electrical contractor license	
10	Experience certificate – form 3A (As per QR)	

Signature of Tenderer Company's Round Seal

Date :

Place

Regd. Corporate Office: GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED, Sardar Patel VidyutBhavan, Race Course, Vadodara-390007
Corporate Identity No. (CIN): U40100GJ1999SGC036018 Phone: (0265) 2310582-86, Fax: (0265) 2337918, 2338164, Web site: www.getcogujarat.com

APPENDIX – VI

1.	PRICES: [FIRM ONLY] (Please Specify YES / NO.)	
2.	PENALTY TERMS AGREED (Please Specify YES / NO.)	
3.	SECURITY TERMS AGREED: (Please Specify YES / NO.)	
4.	TERMS AGREED: (Please Specify YES / NO.)	
5.	VALIDITY Of the offer for 180 DAYS From the date of opening of the Technical Bid: AGREED: (Please Specify YES / NO.)	
6.	PAYMENT TERMS AGREED: (Please Specify YES / NO.)	
7.	MOBILE NOS., TELEPHONE NOS. & FAX NO:	
8.	Authorized person of the firm :	
9.	Name of the proprietor, partners, directors [as the case may be], along with address, telephone, fax no. etc.	

Contractor must fill up above details

Signature of Tenderer Company's Round Seal

Date :

Place

Regd. Corporate Office: GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED, Sardar Patel VidyutBhavan, Race Course, Vadodara-390007
Corporate Identity No. (CIN): U40100GJ1999SGC036018 Phone: (0265) 2310582-86, Fax: (0265) 2337918, 2338164, Web site: www.getcogujarat.com

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

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

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

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

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

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

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

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

1.2.3. Has tampered with the stipulated tendering procedure.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Regd. Corporate Office: GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED, Sardar Patel VidyutBhavan, Race Course, Vadodara-390007
Corporate Identity No. (CIN): U40100GJ1999SGC036018 Phone: (0265) 2310582-86, Fax: (0265) 2337918, 2338164, Web site: www.getcogujarat.com

Annexure-VII

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

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

Ref: Tender No._____

(All bidders will have to furnish the following undertaking duly filled in, singed and stamped for each quoted item of the tender along with the technical bid.)

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

Seal of the firm **Signature of the tenderer**

Regd. Corporate Office: GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED, Sardar Patel VidyutBhavan, Race Course, Vadodara-390007
Corporate Identity No. (CIN): U40100GJ1999SGC036018 Phone: (0265) 2310582-86, Fax: (0265) 2337918, 2338164, Web site: www.getcogujarat.com

TENDER SPECIFICATION

FOR

TENDER NO: TCNS/TR/ETRM-71/2026-27

Subject: **Augmentation of New 220/66kV 160 MVA Transformer No-4 with New Transformer bay, 220kV Bus Coupler bay Shifting and 66kV Erthan bay utilized as a TR No-4 LV at 220kV Popda SS approved under R&M Plan 2025-26 under Navsari(AM) Department.**

Estimate cost: ₹. 95,88,329.97

Tender fee: ₹. 5900.00 (with GST 18%)

EMD – ₹. 95,883.00

Time limit-04 months

(PRICE BID)

(To be submitted online only)

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SCHEDULE B

Sr. No.	SOR	Description	Unit	Qty.	Rate	Amount
1	D-1	Erection of equipments of any type / make with required all spares & accessories as per supplier's manual and FQP, including individual & interpole wiring of for all mentioned voltage class switchyard (as per respective technical specifications & relavant special conditions) suitable for all type of bus configurations. Scope includes the dragging / loading / unloading of same from site store to erection site.				
		Erection of breakers- 400 KV with crane	Set of 3 pole		24905.00	
		Erection of Breakers- 220 KV &132 KV with crane	Set of 3 pole	1.00	16603.00	16603.00
		Erection of breakers-66/22 KV without crane	Set of 3 pole	1.00	5535.00	5535.00
2	D-2	Erection of CT/PT/CVT on Erected structure including complete dragging/loading/unloading of same with crane only from site store to erection site and fixing of required clamps, connectors & accessories as per instruction of Engineer-in-charge				
		(a) 400KV CT/PT/CVT (with crane only).	Per Phase		5535.00	0.00
		(b) 220KV CT/PT/CVT (with crane only).	Per Phase	6.00	3459.00	20754.00
		(c) 132KV CT/PT/CVT (with crane only).	Per Phase		1661.00	0.00
		(d) 66KV CT/PT/CVT (without crane permitted).	Per Phase	3.00	623.00	1869.00
		(e) 22KV CT/PT/CVT (without crane permitted).	Per Phase		373.00	0.00
3	D-3	Erection of surge arrester with counter on Erected structure including complete dragging/loading/unloading of same with crane only from site store to erection site and fixing of required clamps, connectors as per instruction of Engineer-in-charge				
		(a) 400KV	Per Phase		1661.00	0.00
		(b) 220KV	Per Phase	3.00	1038.00	3114.00
		(c) 132KV	Per Phase		526.00	0.00
		(d) 66KV	Per Phase	3.00	415.00	1245.00
		(e) 22KV	Per Phase		249.00	0.00
4	D-4	Erection of Horizontal Centre break/ Double break/ Pantograph isolator (All make) electrically gang operated with one/ two earth blade per phase on its erected structure in horizontal/ tendem position consisting of base channels with solid core porcelain insulator including connection of operating pipe with operating mechanism and all accessories including pantograph bus compansation accessories with final adjustment for mechanical and electrical opening & closing . The rates are inclusive of dragging / loading /unloading of the same from site store to erection site as per instructions of Engineer-in-charge.				
		(a) 400KV	Per Unit		12452.00	0.00

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		(b) 220 / 132KV	Set of 3 phase	0.00	6226.00	0.00
5	D-5	Same as per item No. 4 but without earth blade complete				0.00
		(a) 400KV	Per Unit		11069.00	0.00
		(a) 220 / 132KV	Set of 3 phase	3.00	5535.00	16605.00
6	D-7	Erection of Double break isolator (All make) with earth blade on its erected structure consisting of 3 base channels with solid core porcelain insulator including interconnected piping with operating mechanism and accessories with final adjustment for simultaneous mechanical & electrical operating for opening & closing. The rates are inclusive of dragging / loading /unloading of the same from site store to erection site as per instructions of Engineer-in-charge. (without earth blade complete.)				
		a) 66 kV Isolator (without crane)	set of 3 Phase	3.00	2491.00	7473.00
7	D-10	Erection of Solid core porcelain/ composite polymer Bus post insulator on its erected structure complete, fixing of accessories and shifting of same including loading /unloading from its site store to erection site.				
		(a) 400KV	Per No		1245.00	0.00
		(b) 220KV	Per No	28.00	692.00	19376.00
		(c) 132KV	Per No		553.00	0.00
		(d) 66KV	Per No	11.00	277.00	3047.00
		(e) 22KV	Per No		166.00	0.00
8	D-15	Erection of S/S & Equipment structure including punching of nut bolts. Rates are inclusive of shifting of same up to erection site from its s/s Store.				
		(a) 66KV	MT	5.307	2491.00	13219.29
		(b) 132KV	MT		1266.00	0.00
		(c) 220KV	MT	8.98	3459.00	31064.14
		(d) 400KV	MT		2076.00	0.00
9	D-16	Dismentalling of S/S & Equipment structure. The dismentalled & Equipment structure are to be stacked in proper manner in the same premises as per the instruction of EIC				
		a) 66 kV	MT	0.7864	1245.00	979.07
		b) 132 kV	MT	0	1266.00	0.00
		c) 220 kV	MT	2.177191	1729.00	3764.36
		d) 400 kV	MT		2076.00	
10	D-21	Stringing of Bus complete in all respect with fixing of all fittings, insulators sag compensating plate/spring and all accessories as per the instruction of Engineer –In-Charge				0.00
		a) Quadruple ACSR Moose/ AL-59 conductor	Rmt. / Ph		242.00	0.00
		b) Twin Moose/ AL-59 /Zebra conductor	Rmt. / Ph	330.00	110.00	36300.00
		c) Single Moose/ AL-59 /Zebra conductor	Rmt. / Ph		63.00	0.00
		d) Single Panther	Rmt. / Ph		52.00	0.00

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11	D-22	Stringing of overhead earth wire in switch yard on S/S structure including fixing of all fittings and accessories, jointing, jumpering, tensioning, clamping etc. complete as per instruction of Engineer –in –charge	Rmt.	110.00	31.00	3410.00
12	D-1 (50% SOR)	Dismentalling of equipments of any type / make with required all spares & accessories as per supplier's manual and FQP, including individual & interpole wiring of for all mentioned voltage class switchyard (as per respective technical specifications & relavant special conditions) suitable for all type of bus configurations. Scope includes the dragging / loading / unloading of same from site store to erection site.				
		Dismentale of breakers- 400 KV with crane	Set of 3 pole		34728.00	
		Dismentale of Breakers- 220 KV &132 KV with crane	Set of 3 pole	0.00	8301.50	0.00
		Dismentale of breakers-66/22 KV without crane	Set of 3 pole	0.00	2767.50	0.00
13	D-2 (50% SOR)	Dismentalling of CT/PT/CVT on Erected structure including complete dragging/loading/unloading of same with crane only from site store to erection site and fixing of required clamps, connectors & accessories as per instruction of Engineer-in-charge				
		(a) 400KV CT/PT/CVT (with crane only).	Per Phase		7717.00	0.00
		(b) 220KV CT/PT/CVT (with crane only).	Per Phase	3.00	1729.50	5188.50
		(c) 132KV CT/PT/CVT (with crane only).	Per Phase		2315.00	0.00
		(d) 66KV CT/PT/CVT (without crane permitted).	Per Phase	0.00	311.50	0.00
		(e) 22KV CT/PT/CVT (without crane permitted).	Per Phase		521.00	0.00
14	D-7 (50% SOR)	Dismentale Horizontal Centre break/ Double break/ Pantograph isolator (All make) electrically gang operated with one/ two earth blade per phase on its erected structure in horizontal/ tendem position consisting of base channels with solid core porcelain insulator including connection of operating pipe with operating mechanism and all accessories including pantograph bus compansation accessories with final adjustment for mechanical and electrical opening & closing . The rates are inclusive of dragging / loading /unloading of the same from site store to erection site as per instructions of Engineer-in-charge.				0.00
		(a) 220 / 132KV	Set of 3 phase	0.00	5534.50	0.00
		(b) 66KV	Set of 3 phase	2.00	1245.50	2491.00
		(C)22KV	Set of 3 phase		2084.00	0.00
15	D-10 (50% SOR)	Dismentale of polycone/Solidcore/Bus Post insualtor on its erected structure complete.fixing of accessories…….				
		(a) 400KV	Per No		1736.00	0.00
		(b) 220KV	Per No	4.00	346.00	1384.00
		(c) 132KV	Per No		772.00	0.00
		(d) 66KV	Per No	0.00	138.50	0.00

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		(e) 22KV	Per No		232.00	0.00
16	D-23	Preparing and fixing of required length of jumpers in the switchyard on respective Bus & equipments, tensioning & dressing of jumpers complete as per instructions of Engineer –in – charge				0.00
		a) Quadruple ACSR Moose / AL-59 conductor	Rmt/Per Phase		65.00	0.00
		b) Twin ACSR Moose / AL-59 / Zebra conductor	Rmt/Per Phase	2214.00	33.00	73062.00
		c) Single Moose/AL-59/Zebra/Panther conductor	Rmt/Per Phase	51.00	16.00	816.00
17	D-24	Installation of earthing strips / MS round bar in any kind of soil except Rocky(HR/SR) Soil as per earthing philosophy of GETCO Earthing Grid:1) Including digging of 600mm depth and 450mm wide trench.2) Cutting, bending, laying and fixing of Earthing grid conductor.3) 75x10mm / 50x6mm GI strips: Fixing of two bolt at each straight joints and lap welding, removing oxide films formed during welding, applying two coats of red oxide and black powder after welding and applying zinc rich paint on welded joints.4) 25/32/36/40MM dia MS Rod: Lap welding at each straight & cross joints, removing oxide films formed during welding, applying two coats of red oxide and black powder after welding and applying zinc rich paint on welded joints.5) Including supply of red oxide paint, black powder, HDGI Nuts & bolts as per specification.6) Back filling of the trench with yellow/ Normal soil.Structure & Equipment earthing: 1) Including digging of 600mm depth and 450mm wide trench.2) Cutting, bending as per required shape, laying and fixing of risers from Grid to structures and Equipments.3) Lap welding, removing oxide films formed during welding, applying two coats of red oxide and black powder after welding and applying zinc rich paint on welded joints including supply of HDGI Nuts & bolts for all connections including suporting to structures etc as per specification.4) Back filling of the trench with yellow/ Normal soil.				
		a) 75 x 10 mm GI strip / MS round bar (25 to 40 mm)	Mtr.	1500.00	52.00	78000.00
		b) 50 x 6 mm GI strip / MS round bay up to and including 25mm	Mtr.	1000.00	43.00	43000.00
18	D-27C	(C) Supply,Installation,Testing and commissioning of maintenance free treated earth electrodes suitable for No.RMAL SOIL as per drawing No.. GETCO/E/STD/P-021 (1 OF 2) R3 dated 29-05-2020 and technical specifications GETCO/E/TS-Maintenance free earth pits/R1 dated 04-06-15 for 132,220 & 400 kV substations with ground enhancement material/ back fill / grounding compound as per IEEE 80-2000 Clause 14.5 (d) and as per part-7 of IEC-62561 Using Copper bonded earth electrode (with 250 micron copper coating) having 38 mm dia (min) and 3000 mm length which shall be capable of handling STC of 40 KA-1 sec. work also includes Providing BB masonary inspection chamber(manhole) incl. light type CI	No	18.00	18171.00	327078.00

		cover.				
		(d) -Do- as above for **rocky soil** as per drawing no. GETCO/E/P-021 (2 of 2) R2 dtd 04/06/02015.	No	0	26663.00	0.00
19	D-28	Installation of 20/32/40 mm dia., 3 mtr. Long vertical spike for mesh type earthing in Normal soil.	No.			
20	D-31	Fabrication for erection of any Equipment/Structure/panel or anywhere in s/s & F.B. at other endas per Inst. Of E.I.C.	L.S. (Max.)	5.00	4992.00	24960.00
21	D-39	Providing of M15 Grade Concrete for various equipment structure, Guy, 11kV DP, M.K. Box, Neutral channels, cable support channel, grouting of Pole/ Flood light structure with cement, sand & metal in proportion of 1:2:4 respectively. 1) Work includes muffing with smooth cement mortar (1:6) finish. 2) Necessary sand, metal, water & cement shall be supplied by the contractor.	Cmt	0	5276.00	0.00
22	D-40	Excavation in Hard Rock for excavation of Earthing Pits / 11kV or LT power cable trenchs/ Yard Light Poles only.	Cmt	0	525.00	0.00
23	D-43	Providing and fixing of various type of sign Board, sticker, Big Sign Board, earthing pit Board & Single line diagram etc. as per instruction of IEC. Sticker of red, white, black Letters are to be utilised for various sign board. Earthing Pit Board Size:- 6" x 6" -30 Nos. Safety Slogan Board, Hard Sheet board size 2' x 2'and 4mm thick (Gujarati Language)- 2 Nos. Safety Slogan Board, Hard Sheet board size 3' x 2'and 4mm thick (Gujarati Language) with red and Yellow colour.-03 Nos. Single line diagram size 5' x 3' Digital with Alluminium frame with fitting and as per approved diagram given by IEC.-01 No. Big sign board size 5' x 4' and 2mm thickness indicating sub station name digital with S.S. rod with hole & as per approved symbol with fitting charge.- 01 No. Switch yard sign Board 12" X 6" with 2 mm Thickness black & white Gujarati language.-25 Nos. Safety Slogen Board size 2" x 6" in side control room.-05 Nos. Various type of control room equipment sticker size-24 cms x 5cms.--18 Nos. Prohibition Board: size - 5' x 3' with 2mm thick MS Sheet on MS square pipe/ angle frame with hole and fitting charge.- 01 No. Maintenance Chart Board: size - 5' x 3' Digital with Alluminium frame with fitting and as per detail given by IEC. - 01 No. Zero Accident Board: Size - 2' x 3' Digital with Alluminium frame with fitting and as per detail	Job	1.00	24957.00	24957.00

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		given by IEC. - 01 No.				
		Safety picture board size :- 3' x 3' (Laminated for O/D use)-03 Nos.				
		Name plate board of transformer size :- 2' x 1'-04 Nos.				
		Cable marker size:- 6" x 6", Radium, fixed on 750mm long M.S.Rod for fixing arrengement.-30 Nos.				
24	D-44	Providing and fixing of Radium sticker for outdoor and Indoor Equipment Identification like LA, Isolator, Circuit Breaker, Transformer, CT, PT, MK Box, C&R Panels, 11kV Panel borad etc	Sq.inch	500.00	2.00	1000.00
25	D-45	Providing and Fixing of fire stand made from 75mm dia Gl pipe A class ISI mark heavy duty having 5ft width and 4ft height as per inst of Engr. In charge 1) Work includes cutting, drilling, welding of pipe as required. Fabrication and supply of 16mm dia meter hook size required for hanging the buckets. 2) 4 Nos.of fire buckets are to be provided by the contractor. 3) Fire stand should grouted with excavation of pit size 300mm x 300mm-2 Nos. of 600mm depth with 1:3:6 mix muffing 300mm in height including leveling of stand. 4) The fire stand is to be painted with post box red colour of approval quality as per instruction of EIC. 5) All required approved material including cement, sand, metal etc are to be provided by contractor.	Job	1.00	4992.00	4992.00
26	D-46	Providing, Fabrication and erection of VHF set entena support pipe on control room by providing 25mm dia. GI pipe of length 20 feet including providing & fixing of 4 Nos. of guy of GI wire 10 SWG. This job includes painting of GI pipe by good quality paint white and red alterlatively	Job	1.00	1498.00	1498.00
27	D-50	Providing & Fixing of Aquaguard Total Reviva Water R.O. Plant including Commissioning & Testing and also with required peripherals for installation of plant as per site condition (1) Dimension: 320 X 275 X 410 mm (2) Weight : 8 KG (3) Water flow : 8 to 12 LPH (4) Input power : 230V AC (5) RO membrence : TFC spiral You have to provide guarantee for the 12 month from the installation.	No.	1.00	6889.00	6889.00
28	D-52	Providing & fixing of reputed make ISI mark Fire Extingusher with leatest ammendment in standards as per following capacity Note: Contractor shall submit Test certificate for routine test as per relevant IS.				
		a) Chemical powder 9 kg	No.	3.0	6301.00	18903.00
		b) CO2 type - 6.5Kg	No.	2.0	7047.00	14094.00
		c) CO2 type - 22.5Kg	No.	2.0	17817.00	35634.00
		d) Mechanical foam type - 50Ltr	No.	1.0	14499.00	14499.00

29	D-53	Providing & fixing of all weather proof, cold rolled sheet steel AC Panel - 2 for Yard-Light AC supply having (1) 63A 4P MCB : 01 No. (2) MCX-12A contactor : 01 No. (3) Digital Timer : 01 No. (4) 20A TPN MCB : 06 Nos (5) Indication lamp " 03 Nos (6) Push Butten : 02 Nos (7) Terminal Connector as per site requierment and other detail as per drawing enclosed including grouting & Necessary fabrication of GI Angle or fixing on GI Structure, including earthing with main grid as per instruction of EIC.	No.	1.0	24732.00	24732.00
30	D-54	Providing & fixing of all weather proof, cold rolled steel sheet floor mounted fixed type single door grey color Main AC Dist box having size 900x600x250 MM with door closing arrangement and necessary rubber gasket. Contractor has to supply following materials with box along with necessary mounting and wiring. (1) L&T/Anchor/Havells Make 100A,4P MCCB - 1 No. (2) L&T/Anchor/Havells Make 63A,4P MCB - 2 Nos. (3) 100 A Copper Bus-Bar Link - length 6 inch size & 25 x 3 MM - 4 Nos. (4) Tinned Earth Bus 25 x 3 MM Length - 32 Inch - 1No. (5) 25 & 16 sqmm Cu. flexible cable - 4 & 8 Meter respectively. (6) Required Nos. of Cu. Lugs , etc. as per instruction of EIC.	No.	1.0	20650.00	20650.00
31	D-56	Supplying & laying of following size Control/L.T power cable of FINOLEX or equivalent ISI make in readymade cable trench or by excavating in any type of soil cable trench size 300mm wide and 600mm depth and refilling the same as per the direction of EIC. Item Includes the cable laying up to termination box with clamps & proper clamping of cable on gantries by GI pipe & glands as per direction. Item includes providing & fixing of bricks, sand as per requirement to protect cables . The L.T power cable to be provided by contractor as under :As per ISI 1554 (Part-I). 4 Core x 25 mm2 Aluminum cable -Armored, from LT panel board (LTPB) to Yard Light AC MK (AC Panel-2)., AC Panel 1 in C.R. and yard AC Box	Mtr.	60.0	175.00	10500.00
32	D-57	- - do - - 4C x 4mm2 Copper cable - Armoured, from yard-light AC MK (AC panel-2) to all yard-light fixture junction boxes on LM & street light light pole & Station transformer to Colony & LT panel to watchman cabin. Note: Cable Laying work either in ready made cable Trench or by excvating in any type of soil if required.(Only laying. Cable will be supplied by GETCO)	Mtr	500.00	19.00	9500.00
33	D-58	- - do - - 4C x 2.5mm2 Copper cable - Armoured, from yard-light AC MK (AC panel-2) to all junction boxes on post top lantern. Note: Cable Laying work either in ready made cable Trench or by excvating in any type of soil	Mtr	500.00	19.00	9500.00

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		if required.(Only laying. Cable will be supplied by GETCO)				
34	D-59	Providing & fixing of 'B' class ISI marked GI. Pipe of 32/40mm dia for cable looping & road crossing with necessary elbow/ bend for each pole & J.Box for yard lighting & for control-room flood light wiring work with fixing on wall with shadles if required as per inst. Of EIC.	Mtr	50.00	180.00	9000.00
35	D-62	Supply and fixing of Pole/Wall/Structure mounted FRP junction box of any standard reputed make of required size with clamp, providing 1 SPN MCB, of 16 A having short ckt breaking capacity of 10kA peak of standard ISI make like L&T/ANCHOR/MDS /HAVELLS & 2 Nos. of stud type connector of standard make like Connectwell. The cable glands & lugs are also included for both incoming & out going cables Amp. of standard make like MDS/HAVELLS.	No	12.00	748.00	8976.00
36	D-64	Providing and fixing of Single Piece Cast Alluminium with full frame with Acrylic Cover integrated luminaries Energy Efficient flood light luminaries on swaged pole / GI structure by providing required fabrications, of Philips/CGL/Bajaj/GE/Osram make, suitable for 1 x 250 Watt HPSV/T with allied accessories such as Capacitor igniter, ballast, control gear box etc, 4 core 2.5 sqmm double insulated flexible stranded wire should be used from control gear fittings to approved SMC type junction box as per inst. of E.I.C.	No	12.00	7487.00	89844.00
37	H-1	Erection of control panel relay panel or C/R panel or RTC panel including grouting of panel, jointing with adjoining panels including required fabrication for entry of control cables and complete vermin proofing. Job includes supply of required bolts, nuts etc. and shifting of panel from S/S site store to work site.				
		a) 400 KV	Per No.		1107.00	0.00
		b) 220KV-ALSTOM (GE) SCADA PANEL	Per No.	2.00	830.00	1660.00
		c) 132KV	Per No.		761.00	0.00
		d) 66KV-ALSTOM (GE) SCADA PANEL	Per No.	1.00	691.00	691.00
38	H-7	Laying of 1.1 KV PVC armored copper/ aluminum cable inside Hume pipe/cable trench including binding/clamping of cable with GI wire as per requirement including supply and fixing of identification tags on both ends and at distance every 10 mtr for following size.				
		a)2C × 2.5 mm2 ,2 C × 3.5 mm2 , 4C x 2.5 mm2, 7C × 2.5 mm2, 4C x 4 mm2 Copper control cable or any equivalent size of all LT cable.	Per RMtr.	427.00	6.00	2562.00
		b) 12C x 2.5 mm, 12C x 4 mm2, 12C x 6 mm2, 19C x 2.5 mm2, 27C x 2.5 mm2, Copper control cable, 3.5 C or 4 C x 10 mm2, 70 mm2 aluminum armored or unarmored LT power cable.	Per RMtr.	887.00	10.00	8870.00
39	H-8	Laying of 1.1 KV PVC armored copper /aluminum cable in ground by digging trench of suitable width and 450 mm depth in any type of soil including supply and fixing of				

		identification tag on both end and at distance every 10 mtr for following size				
		a)2C × 2.5 mm2 ,2 C × 3.5 mm2 , 4C x 2.5 mm2, 7C × 2.5 mm2, 4C x 4 mm2 copper control cable or any equivalent size of all LT cable.	Per RMtr.	1325.00	21.00	27825.00
		b) 12C x 2.5 mm2, 12C x 6 mm2, 19C x 2.5 mm2, 27C x 2.5 mm2, copper control cable, 3.5 C or 4 C x 10 mm2, 70 mm2 aluminum armored or unarmored LT power cable.	Per RMtr.	2549.00	26.00	66274.00
40	H-9	Preparing of complete **schedule of wiring** for line/ transformer bays in triplicate. necessary drawing will be provided by the GETCO. Schedule should be approved by EE or DE in charge.				
		a) 66kV Bay	Bay	2	1996.00	3992.00
		b) 132kV Bay	Bay		3993.00	0.00
		c) 220kV Bay	Bay	2	7987.00	15974.00
		d) 400kV Bay	Bay		15972.00	
41	H-10	Providing and fixing 'B' class G.I. pipes of following size for cable protection including fixing with the structures.(Non SOR) including required 'L' & 'T' band,coupling for CT,PT, Transformer, M.K.Box cabling on structure including required fabrication.				
		a) 40mm dia **(weight of pipe-3.2kg/meter)**	Mtr	100	255	25500.00
		b) 50mm dia **(weight of pipe-5.1kg/meter)**	Mtr	100	284	28400.00
42	H-11	Termination of Control Cable at Panel / M.K./ Equipments including supply of required size of double compression type metal glands, lugs, ferrules, PVC Binding Tape, Buttons, Cable ties, etc. for following size of cables.				
		a) Up to 7 Core Control Cable.,	End	44	199.00	8756.00
		b) As above but for Above 7 Core Control Cable.,	End	82	349.00	28618.00
43	H-13	Providing and fixing of all weather proof, cold rolled sheet steel junction box for CVT & PT, CT terminations with 30 Nos. of disconnecting type, 'Elmex' make CATDM 4 or equivalent type connectors and required no of fuses, links etc.as per instruction of Engineer-in-charge, as per approved schedule of cable.	No	2.00	21549.00	43098.00
44	K-1	Loading or unloading (Including Staking) of 400/220/132/66 KV Valuable S/S Equipments -- CVT/CT/PT/CC				
		(b) 220 KV	Per No.	6	858.00	5148.00
		(d) 66 KV	Per No.	6	321.00	1926.00
45	K-2	Loading or unloading (Including Staking) of 400/220/132/66 KV Valuable S/S Equipments -- L.A				
		(b) 220 KV	Per No.	3	388.00	1164.00
		(d) 66 KV	Per No.	6	228.00	1368.00
46	K-3	Loading or unloading (Including Staking) of 400/220/132/66 KV Valuable S/S Equipments -- Breaker				
		(b) 220 KV	Per No.	1	2602.00	2602.00

		(d) 66 KV	Per No.	1	1256.00	1256.00
47	K-5	Loading or unloading (Including Staking) of 400/220/132/66 KV Valuable S/S Equipments -- ISOLATOR with structure				
		(b) 220 KV	Per No.	4	1760.00	7040.00
		(d) 66 KV	Per No.	3	401.00	1203.00
48	K-6	Loading or unloading (Including Staking) of 400/220/132/66 KV Valuable S/S Equipments - BPI				
		(a) 220 KV	Per No.	25	147.00	3675.00
		(d) 66 KV	Per No.	12	44.00	528.00
49	K-14	Hiring of crane for loading /unloading / stacking / segregation of the material	Per truck	2	3218.00	6436.00
50	L-1	Transportation of Girder, Rail, All types of substation / tower structures, conductor, Insulator, Cables, Hardware, G. I. Strips, Earthwire, Staywire, Furniture, Transformer oil, Breaker, CT, PT LA, Panels, Battery set, Battery charger, PLCC equipment, Isolator, Testing equipment, etc from GETCO's nearest / any Store Centre/ Substation to another destination including loading and unloading.				
		(i) up to 70 KMs (Upto 6 MT) - Lumsum (To be executed / considered for a particular Job / Lot while weight is not increasing 6 MT per Trip like transportation of 03 Nos. of 66kV CT)	Job / Lot	4.00	16848.00	67392.00
		(ii) upto 70KMs (Beyond 6 MT) - proportionate	Per MT	4.00	2808.00	11232.00
		(iii) Beyond 70KMs*	per MT/KM	2000.00	22.00	44000.00
51	L-2	Transportation of Girder, Rail, All types of substation / tower structures, conductor, Insulator, Cables, Hardware, G. I. Strips, Earthwire, Staywire, Furniture, Transformer oil, Breaker, CT, PT LA, Panels, Battery set, Battery charger, PLCC equipment, Isolator, Testing equipment, etc from GETCO's nearest Store Centre/ Substation to another destination excluding loading and unloading.				
		(i) up to 70 KMs (Upto 6 MT) - Lumsum (To be executed / considered for a particular Job / Lot while weight is not increasing 6 MT per Trip like transportation of 03 Nos. of 66kV CT)	Job / Lot	4.00	12527.00	50108.00
		(ii) upto 70KMs (Beyond 6 MT) - proportionate	Per MT	4.00	2087.00	8348.00
		(iii) Beyond 70KMs*	per MT/KM	2000.00	21.00	42000.00
52	As per Virpor AT-5365 Dt. 15.05. 2019 As per Virpor AT-5365 Dt.15. 05.2019	Supply,Erection,Testing and Commission of SCADA equipment and materials as per respective techanical specification and relevant special condition and suitable for two main bus and transfer bus system on 220 KV side and two main bus on 66 KV System __ **CE(Project)/SE(Proj)/V/220 KV Virpor/supply/e-118406/5365 Dt.15.05.2019**				
		Yard Kiosk internal Dimentions - 5000(L)X3500(W)X3300 (H)	No	1.00	800000.00	800000.00
53		Providing & Fixing bay MK as per tech spec	No	1.00	45000.00	45000.00
54		Yard kiosk 4.0tr spacemaker AC	No	8.00	350000.00	2800000.00

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55		Yard Kiosk 4.0tr spacemaker AC Installation, Testing and Commissioning work	No	8.00	4000.00	32000.00
56		SCADA software (For local and Remote control centre) Supply	No	4.00	590804.00	2363216.00
57		SCADA software (For local and Remote control centre) Erection	No	4.00	130584.00	522336.00
					TOTAL	**81,25,703.36**
					CGST@9%	7,31,313.30
					SGST@9%	7,31,313.30
					Grand Total	**95,88,329.97**

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SIGNATURE OF CONTRACTOR

(With rubber stamp/seal of the company)

SUPERINTENDING ENGINEER

GETCO, CO, Navsari.

All erection work is to be carried out strictly as per the manual of OEM (Original equipment manufacturer), FQP and instruction of E.I.C.
All equipment erection charges are inclusive of shifting dragging handling of the respective equipment up to S/S erection site from its S/S site store but exclusive of GST / service tax.
Contractor has to ensure safe shifting dragging erection of all equipments to comply with labour laws I.E. rules etc.
All erection charges are inclusive of fixing of clamp connectors, all necessary accessories to the respective equipments.
Transformer erection charges cover shifting, dragging, handling etc. for its bushings, radiators, conservator tank and allied accessories and oil filling with filtration.
STORAGE CUM ERECTION INSURANCE :- Bidder shall note that storage cum erection insurance is to be taken at his own cost and amount of material for erection to complete the scope of sub-station work is to be considered Rs 230.00 lacs.
Bidder shall have to take the comprehensive Marine cum Erection (MCE) insurance policy against any loss, damage, theft, pilferage, fire etc. for the complete period of storage, erection and commissioning up to the time of taking over the line or S/S by GETCO.
All the required tools and tackles like compression jointing machine for conductor, earth wire, cutting machine, welding set, drill machine, etc are to be arranged by the contractor at his cost.
Contractor should complete transportation within one job as per above schedule. No extra payment will be given in any case other than this job.
For power transformer oil filteration the filter machine shall be arranged by Contractor at his own cost.
Earthing pit activities should be done in such a way in presence of GETCO supervisor that final earthing pit resistance should be record as per standard. All expenditure like sufficient watering to maintain earth resistance up to the mark should be born by contractor.
All the brought out items get to be approved from DE/EE invariably.
The execution of bore are to be carried out as per soil strata in consultation with E.E. .
The Classification of hard rock strata should be got approved from E.E. invariably.
Contractor has to make arrangement for site engineer and skill labors for maintaining all activities and records as per FQP. also assisting to staff/Engineer in charge to take IR values, Earth pits values, name plate detail, oil samples etc all activities relative to commissioning of project.
Contractor has to make arrangement for skill labors for assisting to commissioning engineer, PLCC staff/engineer, SMS/testing staff/Engineer as an when require as per instruction of Engineer in charge.
After completion of project successful bidder has to submit all the records like battery charging report, control wiring schedule, earth pit lay out, earthing grid layout, power cable lay out, yard light pole and Ckt lay out etc in hard and soft copy for handing over the project.
For Colony & Yard lighting and Control Room Industrial Electrical wiring works the rates quoted shall be inclusive of providing and fixing / Installation ,testing and commissioning of complete Control Room lightings, Ceiling Fans, Exhaust Fans etc..

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All items / materials shall be installed / erected in accordance with specified manuals /technical guide lines of the manufacturer and as per instruction of EIC.
Cable laying, Circuit distribution and Fixture fixing shall be carried out as per GETCO Standard Drg. No. GETCO/E/06S-STD/S-013 (R0) Sheet 1 to 3 of 3 and as per Instruction of Engineer In charge.
Control Room Wiring, Fixing of fixture, Ceiling fan & Exhaust fan etc shall be carried out as per Standard Drawing No. GETCO/E/6S-STD/S-015 (R0) Sheet No 1 & 2 of 2. and GETCO/E/6SSTD/S-013 (R0) Sheet No 1 of 3 and as per instruction of Engineer In charge.
For entire control Room, Office & store etc. building wiring is to be done by Providing and fixing of ISI Marked MS conduit pipes 20mm dia. & 1.6 mm wall thickness size (Minimum Size) and PVC insulated stranded copper wire of FENOLEX/ANCHOR make as per relevant IS.
Total tilting angle for the flood light luminaries provided on pole is considered as maximum of 45 degree, looking to the tilting angle 20 degree available with luminaries it self & supporting pipe should be fabricated & welded accordingly. Also arm for fixing of Flood light luminaries shall be fix as per required angle & direction as per instruction of EIC.
EE/DE will decide the make of luminaries, fan, cable, MCB, Switches etc. and same is to be inspected at authorize depot.
Yard lighting G.I.Tubular pole should be inspected at the cost of contractor.
Successful bidder has to appoint site engineer to maintain site register and FQP as per ISO
All work should be done according to ISO & FQP and all requier documents including filled FQP, testing results, etc should be submitted while handing over the s/s.
The above rates are with supply of cement by the contractor.

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