



Gujarat Energy Transmission Corporation Ltd.

Transmission Circle office, Palanpur-385001.

Near Circuit House, Palanpur – 385001

Phone: 02742 -255465 Fax No. (02742) 255465

E-Mail: sepln.getco@gebmail.com

(Regd. Office: Sardar Patel Vidyut Bhavan, Race Course, Vadodara-390 007)

(CIN: U40100GJ1999SGC036018)



E-TENDER FOR THE WORK OF

**Name of work: Soil Investigation for 66kV Nadabet-Jaloya line locations
Under Palanpur Circle**

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**E-TENDER NOTICE**

SE (TR) invites “On line Tenders” (e-tendering) for the Work of: **Soil Investigation for 66kV Nadabet-Jaloya line locations Under Palanpur Circle.** 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 vnder registration.

Tender Papers & Specifications may be down loaded from Web site <https://getco.nprocure.com> (For view, down load and on line submission) and GUVNL / GETCO web sites www.gseb.com & www.getco Gujarat.com (For view & download only). All tender documents are to be uploaded through online only (mandatory) on (n) procure portal including scanned copy of duly attested Tender fee, EMD and Integrity Pact.

Sr. No.	Description	Civil Works Details
1	Tender No.	PTC/ET/97/2026
2	Sr. No.	PTC/ET/Civil/17/2026
3	Name of work	Soil Investigation for 66kV Nadabet-Jaloya line locations Under Palanpur Circle
4	Tender Cost Rs	30,33,834.16/- (including GST & WC)
5	E.M.D in Rs.	30,340.00 (Payment of EMD will be accepted by RTGS / NEFT / online only).
6	Tender Fee (Non-refundable)	Rs.1180/- (1000+180 GST@ 18%) Payment of Tender-Fee will be accepted by RTGS/NEFT Online only).
7	Time Limit	04 Calendar Months
8	Appropriate Class	Class- “E1” & above
9	On line (E-tendering) tender/ offer submission last date up to 16.00 hours only (This is mandatory)	As per N Code
10	Date of opening of Tender fee, EMD cover, and integrity pact in on – line opening at 16.01 Hours.	As per N Code
11	Type of Tender	Percentage Basis on FIRM PRICE



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IMPORTANT:

- ❖ 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.
- ❖ Bidders have to submit technical bid as well as Price bid in electric format only on above mentioned website till the date and time shown above. **However, of anywhere in tender documents submission of other than this document physical submission mentioned to be overlooked**
- ❖ The Tender Fee amount should be paid by NEFT/RTGS/Online only at the office address specified in the tender document. Payment of EMD should be made by RTGS/NEFT/online only. After the payment through RTGS/NEFT bidder has to mail following details:
- ❖ the transaction slip of payment made by RTGS/NEFT is to be uploaded in N- procure with tender documents.

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. sepln.getco@gebmail.com
- b. aopln.getco@gebmail.com
- c. decivilpalanpur.getco@gebmail.com
- d. decivilpalanpur1.getco@gebmail.com

Bidder has to provide all above details by email 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.	01740200000624
3	Name of Bank	Bank of Baroda
4	Branch Code	PALANP
5	Address of Bank	Ground Floor, Meeta Hospital Building, Opp. New Bus Stand, College Road, Palanpur, Gujarat -385001
6	IFSC Code	BARB0PALANP (Fifth digit is "0" Zero)
7	PAN No	AABCG4029R
8	TAN No	AHMG02636E
9	GST No	24AHMG02636E1DV

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



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7. All the relevant scanned documents as per requirement of the tender are to be upload through online only on n procure portal including Tender fee receipt, EMD receipt and attested Integrity Pact. (All tender documents including Price bid are not to be submitted with the physical documents).
8. **Tender will be evaluated on Data / Details / Documents of the online offer only.**
9. It is mandatory for all the bidders to upload their tender documents by on line (E-tendering) in scheduled time.
10. The bidders are required to fill up all the online annexure / forms. This is intended for transparency and speedy evaluation of the bids. Instead of simply confirming / attached in bid, 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 owner has every right to evaluate the bids accordingly and bidder cannot raise any objection against any point during evaluation.)
11. Bidders are requested to remain in touch with the web-site for any amendment / corrigendum or extension of due date etc
12. The Earnest Money Deposit and tender fee will be accepted by NEFT/RTGS/online only. EMD and Tender Fee in NEFT/RTGS/online only with different purchaser or agency shall not be accepted. Tender without EMD receipt and tender fee receipt shall be rejected. Two separate transaction for Tender fee and EMD should be submitted.
13. The GETCO reserves the right to award the work to one or more bidders, considering their technical and financial capacity OR to reject any or all tenders or accept any tender without assigning any reason thereof.

Any technical questions, information and clarifications that may be required pertaining to this enquiry should be referred to: **The Superintending Engineer (TR), Gujarat Energy Transmission Corporation Limited, Circle Office, Palanpur – 385 001.**

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

Yours faithfully,

Superintending Engineer
GETCO-Palanpur

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

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**GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED, PALANPUR**

Date:

INTEGRITY PACT**OUR ENDEAVOUR****Name of Work:** Soil Investigation for 66kV Nadabet-Jaloya line locations Under Palanpur Circle**Ref:** PTC/ET/97/2026

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 and the nation.

<u>GETCO COMMITMENT</u>	<u>PARTY'S COMMITMENT</u>
➤ To maintain the highest ethical standards in business and profession.	➤ Not to bring pressure / recommendations outside GETCO to influence its decision.
➤ Ensure maximum transparency to the Satisfaction of stakeholders	➤ Not to use intimidation, threat, inducement or Pressure of any kind on GETCO or any of its employees under any circumstances.
➤ To ensure to fulfill the terms of agreement / contract and to consider objectively the viewpoint of parties.	➤ To be prompt and reasonable in fulfilling the contract, agreement, legal obligations.
➤ To ensure regular and timely release of payment on due dates for work done.	➤ To provide goods and / or services timely as per agreed quality and specifications at minimum cost to 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 others to enable them to complete the contract in time.	➤ To be true and honest in furnishing information including payment to agents / sub-agents.
➤ 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 completion of agreement / contract /work order.	➤ Not to enter into carter/syndicate / understanding whether formal/non formal so as to influence the price.
Seal & Signature (GETCO Authorized Signatory) Name: Designation:	Seal & Signature (Party's Authorized Person) Name:



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ANNEXURE-III

(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, signed and stamped for Each quoted item of the tender along with the technical Bid.

I/We _____

Authorized signatory of M/s _____

Hereby certify that

M/s. _____

And their proprietor / any partner / any director of the firm is not stop deal and / or Banned / black

Listed by GUVNL and or its any of the subsidiary company viz. GSECL /GETCO /DGVCL /MGVCL/UGVCL /PGVCL for the tendered item.

Contractor's Signature with Seal & Date.

Seal of the Company.



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Tender Acceptance letter

TENDER NO: - PTC/ET/97/2026

Sub: Soil Investigation for 66kV Nadabet-Jaloya line locations Under Palanpur Circle.

In connection with above subject, I/we confirm the following:

- 1) I / we, the undersigned, have read and examined each page/document of above tender documents in detail.
- 2) I / we declare that we accept all the conditions of the above tender unconditionally / I We don't have any objection for any clause, point or condition. If there will be any deviation found, in bid, the offer shall be out rightly rejected without assigning any reason thereof.
- 3) In any legal implication in future if any, this document can be used as authentic consent from our side.

Signature of Authorized Representative of Company / Agency

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**CA Certificate****To,**

Suptd. Engr / Ex.Engr.

GETCO,

(Location Address)

Sub.: CA Certificate for payment of GST and uploading of the invoice details on GSTN portal

This is to certify that M/s (Name of the Party and Address) have completed the work / supply of (Nature of Work) against (Work Order No. and date). It is further certified that the GST charged on the bills of the said work order are paid to Government and accurate & correct details of such invoices are also uploaded on the GSTN portal within the stipulated time. It is further certified that GST charged from GETCO has neither been refunded nor is refund claim pending with GST Department.

Name of the Firm

Name of the CA

Designation

M. No.

Firm Registration No.

Date:

Place:



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UNDERTAKING

(ON LETTERHEAD OF COMPANY/FIRM)

To,

Suptd. Engr / Ex.Engr.

GETCO,

(Location Address)

Sub.: (Nature of Work with Order No. of GETCO) -- Submission of Undertaking thereof

I/we hereby undertake that if GST Charged on the invoices of the above stated order is not paid/ short paid to government or if I/we fail to upload the details or uploads inaccurate particulars on GSTN portal within the stipulated time limit, GETCO shall have the right to recover the amount of GST along with penal interest at the rate of 15 % p.a.

I/we, hereby undertake that in the event of any refund of GST either full or part if received by me/us in future in respect of the goods and/or services for the above state order, I/we shall pass on the same to GETCO without any formal claim to that effect from GETCO.

Thanking You,

Name of the Supplier / Contractor

Name, Signature of the Authorised Signatory

Date:

Place:



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A/T ACCEPTANCE LETTER: -

(TO BE SUBMITTED ON FIRM'S LETTER HEAD)

Ref. No.

Date:

To,
The Superintending Engineer
Gujarat Energy Transmission Corporation Ltd,
Circle Office, Nr. Circuit House
Palanpur– 385001

Sub: _____

Ref Order No. _____

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

(Signature)

Designation _____



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INDEMNITY BOND

KNOW ALL MEN BY THESE PRESENTS THAT We, _____
(hereinafter called THE CONTRACTOR, which expression shall, where the context so admits include their heirs, executors, administrations and legal representatives, successors and permitted assigns) are hereby held and firmly bind unto the GUJARAT ENERGY TRANSMISSION CORPORATION LTD. (hereinafter called the GETCO, which expression shall where the context so admits, include its successors and assigns) to refund the full amount of steel, cement and other materials supplied by the GETCO under the terms and conditions of A/T No. _____

against any loss, damage or deterioration of whatsoever nature occurs to the said materials supplied by the GETCO and which are in the custody of the contractor at his works site on behalf of the GETCO at _____ or if any of the said materials when inspected by any officer authorized by the GETCO in this behalf of found to be damaged, lost, deteriorated in quality or quantity, the contractor hereby agree to pay the full amount forthwith the GETCO and hereby bind himself to indemnify and at all times keep indemnified the GETCO against all loss, damage and deterioration to the cement, steel and any materials supplied by the GETCO within 30 days, the market value of such loss, damage and deterioration in full to the GETCO and shall also authorize the GETCO to deduct the said sum from any due to the contractor or any such which at any time may become due to the contractor or any referred contractor or any other entered into by the contractor with the GETCO.

// 2 //

AND WHEREAS THE CONTRACTOR do hereby agree to be responsible for safe custody, protection and preservation of the said materials against all risks and against loss, damage and deteriorations of whatsoever nature in respect of the said materials while it remain 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 the contractor shall pay the full amount forthwith to Board in the event of loss, damage or deterioration or whatsoever except due to circumstances arising out of war or natural calamities in respect of the materials supplied by the GETCO and shall fully and effectually indemnify and keep indemnified the GETCO against such loss, damage and deterioration in time.

The contractor shall keep the said materials open at all times for inspection by the officer authorized by the GETCO and produce at any time when demanded.

IN WITNESS WHEREOF WE, the _____ hereto
sign at _____ (signature of the contractor with his name, designation & official seal) on
this _____ day of _____

In presence of:-

(with name, full address & signature).

i).....

.....

.....

ii).....

.....



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PART- II

Technical Specification & Commercial Conditions



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(A) INSTRUCTIONS TO THE BIDDERS

(A1) SCOPE OF WORK:

Major works covered in this work are **“Soil Investigation for 66kV Nadabet-Jaloya line locations Under Palanpur Circle”** as per specifications and terms mentioned here under.

- (1) The site of proposed work is situated at **Palanpur TR Circle jurisdiction**. The works shall be carried out as per tender specifications & detailed work order.
- (2) Any activity not specifically mentioned in the tender but necessary in the opinion of engineer in charge of work must be carried out for successful completion of the job, on getting approval of competent authority of GETCO.
- (3) Before taking up construction activity; the agency has to cut the trees which obstruct the working, of any diameter, bushes, vegetation, i.e. roots, plant, shrubs, grass etc including stacking and crediting to GETCO as directed with no extra cost.
- (4) Site visit: The bidder is advised to visit the site and examine the site condition. Where in the work is proposed to be carried out and to get himself fully acquainted at his own responsibility for all information that may be necessary for quoting the tender bid and entering in to contract. All cost and liabilities arising out of the site visit shall be at bidder account.

(A2) Earnest money Deposit:

1. Bidders are requested to pay an earnest money deposit (1 % of estimated cost) by **NEFT/RTGS/online** only for the amount as specified in the tender notice. Payment of EMD any other form other than NEFT/RTGS/Online shall not be accepted. EMD and Tender Fee NEFT/RTGS/online only with different purchaser or agency shall not be accepted.
2. The EMD shall be submitted along with submission of Technical bid only. In no case it shall be submitted with sealed cover of Price Bid.
3. Tenders not accompanied by EMD shall be rejected.
4. 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 further works of GETCO.
5. 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 in to 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.

(A3) (1) COMPLETION PERIOD:

- The time limit for the completion of the above work will be **04 calendar Months** from the commencement of the work, which will be given by the competent authority.
- One month additional will be considered for the rainy season if the scheduled execution period falls within the period from 1st July to 31st October. In case the duration of execution is not exactly falls for a period of 1st July to 31st October, the proportionate days will be given based on the duration falls between period 1st July to 31st October e.g.
 - If entire duration falls between 1st July to 31st October, 30days allowable towards rainy days.
 - If the execution period falls short by four months, then the proportionate days shall be calculated based on following formula:

Daily allowable on account of rainy period = $30 \times N / 120$, where N = numbers of days falling between 1st July to 31st October.



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Note- While applying this formula no extension of time limit shall be permitted on account of delay due to rain.

- 15 days additional will be considered where hard rock strata are available.
- Delay due to power supply will be considered in TLE only if the agency applies for power supply to DISCOM within 5 days from the date of issue of LOI. It is necessary for bidders to apply within 5 days from the date of LOI for temporary power connection considering 5 days required by distribution company to provide the power connection as per their SOP, making thereby availability of power supply on 10th day of LOI. Any delay in making the application for temporary power connection beyond initial 5 days shall be on account of bidder.

(A4) SECURITY DEPOSIT:

As per prevailing rules of the Corporation, 5% of the contract value shall be paid as 'Security Deposit'. As per Government of Gujarat vide circular No. JNV.10212/520A dtd. 26.06.2012 & GERC audit report, contractor has to pay 100 % S. D. shall be paid at Circle Office, Palanpur as early as possible, from receipt of letter of intent either

- a) In form of DD in favour of "Gujarat Energy Transmission Corporation Ltd. " of any Nationalized Bank payable at Palanpur **OR**
- b) In form of Bank Guarantee of any Nationalized Bank as per the approved format of the Corporation valid for minimum period of time limit plus guarantee period of one year. Alternatively, 100 % S. D. may be submitted on receipt of LOI. The security deposit will be refunded only after the completion of **1(ONE)** year guarantee period of work completed or finalization of final bill whichever is later.
If Security Deposit is not paid within **15 days** of issue of LOI, EMD paid will be forfeited and Corporation will not deal with party for the period of **2(TWO)** years.

(A5) Other Instructions:

- 1 Tenders must be submitted in the enclosed schedule of work & quantities. Those received in any other form will not be accepted. They should be accompanied by a covering letter in which the bidder should give all information as called for in the specifications & any other point which he would like to be considered along with the tender.
- 2 **The Schedule-B shall be filled up with the quoted % above or below & shall be submitted online only.**
- 3 The bidders shall note that no deviations from the technical specifications or commercial conditions with this bid are acceptable & it will be presumed that the bidder agrees entirely with the specifications & general terms & conditions of the contract.
- 4 The Corporation reserves the right to accept any tender irrespective of whether it is lowest or not or to reject all the tenders without assigning any reasons thereof. Tenders departing from the technical Specification or the method of bidding in a radical manner may also be rejected.
- 5 On acceptance of the tender the name(s) of the accredited representative(s) of the tenderer who would be responsible for taking instructions from the Engineers of the Corporation shall be communicated to the **Superintending Engineer (TR)**, Gujarat Energy Transmission Corporation, Circle Office, Palanpur. 385 001
- 6 Proof of payments of taxes made by the Contractor to the appropriate departments shall be produced to Gujarat Energy Transmission Corporation failing which appropriate amount shall be withheld on getting information / instruction from the concerned departments.

6A.1 GST Registration:

The Bidder should have to take registration under the "GOODS AND SERVICE TAX(GST)". Bidder has to register online in given link before bidding. Link for the same is www.getcogujarat.com/gst. The certified Xerox copy of such registration shall have to be submitted along with the bid by the bidder.



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On forfeiture of EMD, SD or guarantee under the terms and conditions of this tender, applicable GST will also be recovered from the bidder / contractor and GETCO reserves all rights of such recovery of such forfeited amount along with GST.

PENALTY FOR DELAY:

The completion time allowed for carrying out the work should be strictly observed. For any delay, penalty will be levied at the rate of ½ % per week or part thereof on delayed portion of the work subject to ceiling of 10% of total contract value **(GST as applicable will be imposed).**

6A.2 The prices quoted shall be all inclusive of freight, octroi, transportation, loading, –unloading & stacking at site of Girders/Towers and line materials received from construction store GETCO Kansari after observing all store formalities of GETCO.

6A.3 No extra payment toward any type of templates and erection tools /materials will be made.

6A.4 PRICES:

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 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.

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.

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.

6A.5 Goods and Service Tax (GST):

The rates are excluding GST at the rate of 9% CGST plus 9% SGST or 18% IGST under the GST law or as applicable to works contract service from time to time which will be paid extra on a given taxable goods and/or services.

The amount of GST, Percentage (%) 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 SGST Act, 2017 and all related ancillary legislations).



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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.

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.

Contractor has to provide Tax invoice in a standard format as per CGST act, CGST rules 2017 and GST invoicing rules containing all details as provided Act and rules. Contractor / Supplier has to mentioned GST no. of GETCO **24AABCG4029R2ZC** in the invoice invariably failure of which payment will not be made.

GST at the applicable rate will be levied on the total of schedule B. GST will be subject to CGST, SGST, UTGST, IGST act and rules, regulation and notifications issued by government from time to time. Contractor has to classify the supply / services according to the HSN / SAC of CGST Act, 2017. GETCO also reserve the right of classification in case of any misclassification of goods / services.

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.

The amount of GST in the invoice will be reimbursed subject to matching of transaction in GST return. In case of mismatch, amount of GST will be retained from the subsequent invoice of the contractor. For final bills, GST will be retained and reimbursed on matching the same in GST return and after receipt of request from the 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.

DEDUCTION OF TDS under GST

As per provisions of GST Act, TDS under GST @ 2% (1% CGST & 1% SGST or 2% IGST as applicable) or at the applicable rate from time to time, will be deducted from the bill of suppliers/contractors at the time of credit or payment. TDS Certificates in the prescribed format will be issued as per the prescribed rules under GST.

6A.6 INPUT TAX CREDIT BENEFIT:

In the event of any statutory increase in the rate of Input Tax Credit and / 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



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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.

6A.7 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.

6B Income Tax

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

6C Welfare Cess

- As per the Welfare Cess Act, the welfare cess @ **1%** is applicable on supply and erection items for supply, erection, testing & commissioning of substation, transmission lines, EPC/Turnkey projects and civil works.
 - Contractor shall get registered under Welfare Cess Act before commencement of work. Office of the Factory Inspector is authorized at present as a registering authority.
 - The welfare\cess @1% is considered in the price schedules so, the bidders are requested to quote accordingly.
 - GETCO shall pay the welfare cess by way of reimbursing to contractors on production of documentary evidence of payment.
 - The contracts for which supply or part supply of material are in the scope of GETCO, then contractors shall deposit welfare cess on estimated cost of supplied items to GETCO on progressive basis of utilization. As this part of welfare cess is on GETCO account, the same shall be reimbursed to the contractor on receipt of request letter along with documentary evidence of payment. For calculation of welfare cess on supply part, valuation as per MR shall be taken and informed to the contractor for payment. This will be over and above the A/T value.
The modality of payment/ reimbursement of welfare cess will be as under.
 - On receipt of A/T, the contractor / bidder will get them registered under Welfare Cess Act and submit the documentary evidence to the concern office.
 - Before release of payment of first R.A.Bill, the contractor has to submit the documentary evidence of registration. Only thereafter, the bill will be processed for payment.
 - Before release of payment of subsequent R.A.Bills, the contractor has to submit the documentary evidence of payment of welfare cess of previous R.A.Bill.
 - Before release of payment of final bill, the contractor has to submit documentary evidence of payment of welfare cess of previous R.A.Bill as well as of this final bill.
 - If the R.A.Bill happens to be first and final bill, then before release of payment, contractor has to submit documentary evidence of registration under Welfare Cess Act and evidence of payment of welfare cess.
 - The welfare cess shall be reimbursed to the contractor on submission of copy of documentary evidence of payment by observing due formalities.
- 7 The successful contractor will have to sign an agreement as per the Gujarat Energy Transmission Corporation rules on stamped paper & the necessary stamp duty charges shall be borne by the contractor.



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8. The bidder shall visit the site and carefully study the work to be carried. The Corporation will not pay any extra or rate for any reason in case the contractor claims, after acceptance of contract, to have misjudged the site condition.
9. The percentage quoted shall include cost towards of all materials, & machinery including equipments, fixtures, labour, constructional equipments, fuel, scaffolding, staging, ramps, walkways, approach and haul road, temporary works, etc. bearing permanent or temporary nature necessary for the completion of the work in all respects, except for those items specifically mentioned to be furnished by the Corporation. The contractor must also arrange for the transport of materials & include all such costs in the rates quoted by him for finished work.
10. During the execution of the work if it is found that the work is not progressing as per the Scheduled Progress Program, approved by the Corporation & planned by the Contractor, due to the reasons attributable to the Contractor; suitable action shall be taken as per relevant clauses mentioned in General Conditions of Contract.
11. The contract or any part thereof shall not be subject to change without the written permission of the **Superintending Engineer (TR)**, Gujarat Energy Transmission Corporation, Circle Office, Palanpur. 385 001 or his authorized representatives.
12. Tender shall remain open for acceptance for a period of **180 days** from the date of Technical bid opening & during this period no bidder shall be allowed to withdraw his tender. Any such withdrawals, during the said period will entail forfeiture of the earnest money deposited with the tender. The GETCO will take further action as deemed fit like not to deal with bidder in GETCO works.
13. Further information required, if any, can be had from the office of the **Superintending Engineer (TR)**, Gujarat Energy Transmission Corporation, Circle Office, Palanpur. 385 001. But it must be clearly understood that the tenders must be received complete in every respects by the due date & time
14. The notice inviting tender, general instructions to the contractors & all documents of this tender shall form part of the contract.
15. The works under this contract shall be completed in all respects within stipulated period from the date of commencement order issued by field office. However, interim mile stones to be jointly fixed after issue of LOI.
16. Bidders must quote firm price only, till completion of work under contract, & this is to be confirmed by bidder while submitting his offer. No escalation towards labor and material / fuel shall be paid in this execution of contract.
17. Contractor shall pay minimum wages to his laborers as per the Minimum Wages Act, 1948 & rules there under as applicable from time to time in pursuant to the State Government notification. The concerned contractor shall submit the details of the payment with due certificate of LWO/IRO of the Corporation
18. **Once the offer submitted will not be returned back for any reason thereof in any case.**
19. Each tender shall contain the name, residence & place of business of person or persons making the tender & shall be signed by the tenderer with his usual signature with seal of the company.
20. Tender by partnerships shall furnish the full names of all partners. It shall be signed with the partnership name by one of the members of the partnership or by an authorized representative followed by the name & designation of the person signing.
21. An attested copy of the constitution of the firm with the name of partners shall be furnished. Whenever, whether in submission of the tender or later in other matters, the signatures are made by one person on behalf of Directors or a firm or a corporation, an attested copy of the resolution of the partners or of law shall be supplied by the tenderer authorizing Witnesses & sureties shall be persons of status & probity, & their names, occupation & address shall be stated below their signatures. All signatures shall be dated.
22. Tenders by corporation shall be signed with the legal name of the corporation followed by the name of the state of incorporation & by the signature & designation of the president, secretary or other person authorized to bind it in the matter with rubber seal of the company.
23. The GETCO reserves the right to delete any item of Schedule-B for which contractor shall not have any right to claim on this account.



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24. The Bidders shall study the Conditions of site & shall resort to dewatering, where necessary, by appropriate methods & maintain reasonably dry areas to work at and no extra claim will be entertaining on this account.
25. The Contractor shall prepare all required roads to execute various items of this Contract & arrange all transport of materials & all such costs shall be taken care of while quoting the rates.
No extra payments shall be admissible towards such costs. On completion, this shall be cleared if asked by GETCO at no extra cost.
26. Gujarat Energy Transmission Corporation shall not entertain idle charges for any site conditions or any circumstances.
27. The Contractor shall take all requisite & necessary care to observe that no damage is occurred to the Existing structures, if any. For any damage to the Existing Structures of Gujarat Energy Transmission Corporation the Contractor shall be held responsible.
28. The submission of any bid connected with these document and specification shall constitute on agreement that bidder shall have no cause of action or claim against the GETCO for rejection of his bid. The owner shall always be at liberty to reject or accept split any bid or bids at his sole discretion and any action will not be called into question and the bidder shall have no claim in that regards against the owner.
- 29. Recoveries:**
 - (I) In case of any damage to equipment/machinery or structure/building of GETCO or any public property due to negligence's of contractor or any other reasons attributed to contractor the decision of E.I.C. regarding the amount of recovery shall be final and binding.
 - (II) If the contractor fails to execute the proportionate work as per direction of E.I.C. within the time frame given for completion of part / whole of the work GETCO shall get the work done through any other contractor and the cost of execution of such work along with **15%** overhead charges shall be recovered from contractor.
30. Notwithstanding anything contained to the contrary in the specification or tenders in subsequent exchange of correspondence, the conditions of contract shall be binding on the contractor and any change or variations expressed or implied, however made in the said conditions shall not be valid or operative unless expressly sanctioned by the Corporation. The contractor shall be deemed to have fully informed himself and to have special knowledge of the provisions of the conditions of contract herein contained.
31. Submissions of tender by a contractor implies that he has read the instructions and condition of contract herein contained and has made himself aware of the scopes and specifications of the work to be done.
32. These rules and directions shall form part of the contract.
33. **Drawings:** Drawings required for the works are available with the E.E. (Civil) of Circle Office Palanpur. They are indicative and for tender purpose only. Bidders shall have to execute the work as per construction drawings issued from time to time by GETCO.
34. **Electricity Connection:** The electric power, at site, will be made available at one mutually agreed point, free of cost (connection only) by Gujarat Energy Transmission Corporation only. Further distribution will have to be carried out by the contractor as per requirements at their own cost. The necessary consumption charges will be recovered as per the tariff rate of Gujarat Energy Transmission Corporation from time to time as per Corporation's rules.
35. The contractor has to make his own arrangement of water for construction activity at his own cost. The contractor shall be allowed to draw water from bore well / open well by making his own arrangement such as drilling, pump with all electrical accessories, pipe line & electricity to run the bore well /open well from the electric power point provided by DISCOM to them. Water shall be free of cost to the contractor. The electrical consumption charges to run the bore well / open well shall be borne by the contractor.

In those cases, where in bore well has been constructed at the cost of GETCO as per contract, even then no water charges shall be charged, however electricity connection & electricity charges till the completion of work shall be to contractor accounts.



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In no case, GETCO is bound to supply water if the ground water sources are not available at site within premises.

- 36 Tenders received after time:** The tenders received after time and date specified in the tender notice, will not be accepted. Once the offer submitted by the contractor before due date of submission, the contractor will not be allowed to submit revised / additional / modified / other even before due date. However, if the issue and receipt of tender is extended by the Corporation due to any reason, the contractor may submit the revised offer before due date of submission, if he wishes to submit.
- 37** The work shall be completed within the period stipulated in the contract. However, it may be noted that drawings shall be released progressively & site clearance arranged accordingly to the progress of work at site. Therefore, the contractor has to organize & coordinate the works to suit these. In the event of any delay due to the above or due to any other reason not attributable to the contractor, reasonable extension in the completing the work may be given at the discretion & as decided by the Corporation but no compensation or idle charges will be paid to the contractor under any circumstances.
- 38** The price bid/proposals will be opened in the presence of the bidder's representatives who choose to attend at the date and time and venue to be notified by the GETCO, after conclusion of the Technical Evaluation and Post Qualification process.
- 39** GETCO will not issue any material required for the work. All the materials – tools & tackles, labour etc. will have to be arranged by the contractor.
- 40** **ACCEPTANCE OR REJECTION OF BID**
- a) The GETCO reserves the right to accept any tender irrespective of whether it is lowest or not or to reject all the tenders without assigning any reasons thereof. Tenders departing from the stipulated technical specifications, commercial conditions or the method of bidding in a radical manner are liable to be rejected.
 - b) The bid is liable for rejection prima facie, if it is
 - c) **Without payment of EMD / Tender Fee. Or Payment of EMD / Tender fee in any form other than NEFT/RTGS/Online only**
 - d) Not in prescribed form.
 - e) Not bearing signature of the bidder & seal of the company on all the documents accompanying the tender.
 - f) Not confirming to specifications or conditional tender.
 - g) Received after expiry of the due date & time.
 - h) Received by telex or telegram or fax.
 - i) Submitted by bidders who are listed under declaration of ineligibility for corrupt or fraudulent practices issued by GETCO, Govt. of Gujarat or its Public Sector under taking.

Tender not fulfilling all the above conditions and those specified in the documents attached or incomplete in any respect are liable to rejection.



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SECTION- B **Qualification Requirement**

1. **Registration:** Bidder quoting for the bid shall have [Registration and approved vender](#) with Gujarat Energy Transmission Corporation Limited (GETCO).
2. **Experience:** Bidder should have experience of similar work including Geo Technical Investigation/Soil bearing Capacity (SBC) work and as like under single contract as main contractor for minimum of **50% value** of estimated cost of the tender with GETCO/ GEB / Central / State Government / Railway / Semi- Government / Public Sector Organization within last 5 years. Attested copy of work orders executed from GETCO/ GEB / Central / State Government / Railway / Semi- Government / Public Sector Organization and satisfactory completion certificate from respective department should be submitted.
3. **Solvency:** Latest bank solvency certificate (not more than 1-year-old of tender publish as on date) from any Nationalized/Scheduled Bank of a sum of minimum 20 % of the estimated cost shown in the tender. **The solvency should be in the name of "To Whomsoever it may concern" or "GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED (GETCO)".**
4. **Provident Fund Code:** Separate provident fund code number towards firm registered with Regional P. F. Commissioner.
5. **Profit & Loss Account Statement:** The Bidder should submit certified Xerox audited copy of the Balance sheet with profit and loss account of last three Years.
6. **Nature of Firm:** Attested copy of **Partnership Deed with recent Form-G obtained from Registrar of firms for the current year, Power of Attorney**, if any, for signing the bid documents in case of partnership firm & **self-affidavit for proprietorship firm**. In case the Form-G is not available for current year Affidavit cum Undertaking of the firm declaring no change in Form-G is to be submitted. However, this affidavit cum undertaking should be executed only by partnership firm. **The party shall be liable to give fresh affidavit cum undertaking, after completion of its one year.** All such documents shall have to be **NOTARISED**
7. **Goods & Service Tax (GST) Registration:** The Bidder shall be registered under the GST Act and a certified copy of such registration under the GST act indicating the GSTIN shall have to be submitted along with the bid by the bidder
8. **I.T. PAN CARD:** The bidder should submit the attested soft copy of PAN Card of their firm.
9. **Certificate:** Bidder quoting for the bid shall have certificate from NABL.
10. **Annexure:** All the Annexure must be filled by the Contractor on their own Letter pad as per the format attached duly signed and all details filled properly.

All the documents to be submitted in soft copy shall be self-attested/notarized.

Signature of Contractor

Superintending Engineer,
GETCO, Circle Office,
Palanpur



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For Proprietorship firm only

AFFIDAVIT CUM UNDERTAKING
(On Rs.300/- stamp paper duly notarized)

We, Shri _____ (names of all partners and POA holder) of M/s. _____
(name of partnership firm) having registered place of business at _____
do hereby solemnly state and affirm on Oath as under:

1. That Form G up to last entry dated _____ has been submitted to GETCO by us.
2. That since this Form G is not of current year, it is affirmed that whatever entries specified by Registrar of Firms in this submitted Form G is true and correct and that, there is no any modification or change in any of the partners or other details. It is further affirmed that we are liable & bound to disclose to GETCO immediately, if there is any change and/or modification in partnership of this firm.
3. That if GETCO finds any undisclosed modification/amendment in partners or other details at any time, then they shall be entitled to take any legal action against us / partnership firm. GETCO shall be empowered to stop-deal and /or black-list our firm for any contract, at such instances.
4. That whatever stated in aforesaid paras and contents therein are true and correct and shall be binding on all the partners of this partnership firm, which includes their heirs, representative, assigness, executors etc.

Hence solemnly affirmed on this _____ day of _____ months of 20____ at _____

DEPONANTS

(name & sign of all partners / or POA Holders)

Dated:

Place:



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For Proprietorship firm only

**Self-Affidavit for proprietorship firm
(On Rs.300/- stamp paper duly notarized)**

I the undersigned _____ hereby solemnly
declare on oath that I am the sole proprietor of the firm _____.

The proprietorship concern is solely owned, managed and controlled by me.

The signature appearing in the contract agreement is signed by me and is true.

I hereby state that whatever is stated herein above is true and correct to the best of my
knowledge and belief.

Hence solemnly affirmed on this _____ day of _____ of 202

Deponent

Place:

Date :



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SECTION - C

GENERAL CONDITIONS OF CONTRACT



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(C) GENERAL CONDITIONS OF CONTRACT

1. Definitions:

- (a) The Contract means the documents forming the tender and acceptance thereof, together with the documents referred to therein or individual work order in the case of term contract, including these conditions, schedules and / or additional conditions attached to the form of tender or individual work, order, rate schedule, the specifications and the drawings and all these documents as applicable taken together shall be deemed to form the contract.
- (b) The “Tender Document” means the form of tender, the applicable schedules and/or additional conditions and the specifications and/or drawings as issued to the contractors for the purpose preparing tender.
- (c) The expression “works” or “work” when used in the conditions of contract shall, unless there be something in the subject or context repugnant to such construction means, the works or the work contracted to be executed under or in virtue of the contract whether original or altered.
- (d) The “Contractor” means the individual or firm or company, whether incorporated or not, undertaking the works and shall include his or its legal personal representative, successors and permitted assignees.
- (e) “Corporation” means the Gujarat Energy Transmission Corporation Ltd. and the “Accepting Officer” means the officer who is authorized to sign and signs the contract on behalf of the “Corporation.”
- (f) The letter “EE” means Executive Engineer who in the case of measurement and lump sum contract, direct the contractor and the letters “ACE” means “Add Chief Engineer” and “CE” means “Chief Engineer” who administers and in the case of the term contracts directs the contract.
- (g) The “Engineer-in-charge” means all officers of the Corporation appointed by the Chief Engineer to supervise the works or part of the works.
- (h) “Approved” and “Directed” means the approval or direction of the Chief Engineer to Supdt. Engineer or the person deputed by him for the particular purpose.
- (i) “B.S.” means the “British Standard” as issued by the British Standards institution. “A.S.” means the American Standards as issued by the American Standard Institutions and “I.S.” means the “Indian Standards” as issued by the Indian Standards Institutions. Wherever the above-mentioned abbreviations are preferred to, in the specifications and / or work orders, they mean the addition with all amendments current at the date of issue of tender documents of work orders. In the case of measurement and terms of contracts “Specifications” means those contained in Gujarat Energy Transmission Corporation Ltd. schedule together with any amendments etc. embodied in the tender documents, “Drawings” refer to those accompanying the tender documents and/or any work orders referred therein.
- (j) The “Contract Sum” means the sum accepted or the sum calculated in accordance with the prices accepted in the tender and/or the contract rate as payable to the contractor for the full and entire executing and completion of works.
- (k) “The date of completion” is the date or dates of completion of the work or any part of the works set out or ascertained in accordance with the individual work orders and the tender documents or any subsequent agreed amendments thereto.
- (l) 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 SGST Act, 2017 and all related ancillary legislations.
- (m) 'Owner' shall mean the Gujarat Energy Transmission Corporation Ltd, Vadodara or any of its group companies i.e. GUVNL, GSECL, MGVL, DGVCL, PGVCL UGVCL and shall include its legal representatives, successors and assigns.

2. Security Deposit

The contractor shall, within 15 days of the issue of Letter of Intent, pay 5 % as Security Deposit. The Bank Guarantee from schedule bank in lieu of cash or government securities towards Security Deposit



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will be accepted providing amount of Security Deposit payable exceeds Rs. 10,000/- .All damages, costs, charges, expenses and other sums which may be or may become due or payable by the contractor to the Corporation under the terms of the contract may be deducted from the cash in the proceeds of sale of the Securities/Bank Guarantee to deposited (which the officer or person to whom the same may be endorsed as aforesaid is hereby authorized to sell / to encash for that purpose) or from the interest of any such securities or from any sums due or which may become due to the contractor by the Corporation or from the whole or the balance unpaid as aforesaid of the encash securities so deposited being repaid or transferred and returned as may be to contractor after the date on which the final bill is paid or after the expiry of the date up to which the contractor has to maintain the work in good order whichever is later.

“For Water Proofing Treatment: -

The contractor shall submit performance guarantee of the waterproofing item at the rate of 20% of cost of item of work order in the form of DD or in the form of BG of Schedule Bank / Nationalized Bank in favor of GETCO (A/c Agency) for a period of 5 years from actual date of completion of work on non-judicial stamp paper of appropriate value in approved format of GETCO. In the event of unsatisfactory performance of waterproofing work, the agency shall carry out necessary remedial/rectification works that may be necessary in the opinion of GETCO at no extra cost, failing which BG shall be cashed by GETCO. The BG shall be released only after satisfactory completion of performance period of 5 years.”

“For Anti-Termite Treatment: -

The contractor shall submit performance guarantee of the anti-termite treatment item at the rate of 20% of cost of item of work order in the form of DD or in the form of BG of Schedule Bank / Nationalised Bank in favour of GETCO (A/c Agency) for a period of 5 years from actual date of completion of work on non-judicial stamp paper of appropriate value in approved format of GETCO. In the event of unsatisfactory performance of anti-termite treatment work, the agency shall carry out necessary remedial/rectification works that may be necessary in the opinion of GETCO at no extra cost, failing which BG shall be encashed by GETCO. The BG shall be released only after satisfactory completion of performance period of 5 years.”

3. Penalty for the delay

The time limit allowed for carrying out the work as entered in the tender shall strictly observed by the contractor and shall be **reckoned from date of commencement given by concern Authority / DE(Civil)**. The work shall throughout the stipulated period of contract proceeds with due diligence (time being deemed to be essence of contract) and for delay, the contractor shall pay compensation @ 0.5% plus GST as applicable per week or part thereof on delayed portion subject to maximum 10% plus GST as applicable of the total contract value of the civil works (end cost with GST & cess as applicable). For calculating the delayed portion, date of work completion mentioned in work completion certificate shall be considered.

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

4. Action when whole of Security Deposit is forfeited

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



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- (a) To rescind the contract (for which rescission notice of 10 days) in writing to the contractor under the hand of the Executive Engineer shall be conclusive evidence and in that case the security deposit of the contractor shall stand forfeited and absolutely at the disposal of the Corporation.
- (b) To employ labor paid by the Corporation, to supply materials to carry out of the works or any part of the works debiting the contractor with the cost of the labor and the price of the materials (as to the correctness of which cost and price the certificate of the Executive Engineer shall be final and conclusive against the contractor) and crediting him with value of the work done, in all respects in the same manner and at the same rates as if it had been carried out by the contractor under the terms of this contract and in that case the certificate of the Executive Engineer as to the value of the work done shall be final and conclusive against the contractor.
- (c) To order that the work of the contractor be measured up and to take such part thereof, as shall be unexecuted, out of his heads and to give it to another contractor to complete, in which case, any expenses, which may be incurred in excess of the sum, which would have been paid to the original contractor, if the whole work had been executed by him as to the amount of which excess expenses the certificate in writing of the Engineer-in-charge shall be final, conclusive and shall be borne and shall be paid by the original contractors and shall be deducted from any money due to him by the Corporation under the contract or otherwise from his security deposit of the proceeds sale thereof or a sufficient part thereof.

In the event of the above courses being adopted by the Executive Engineer the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account of or with a view to the execution of the work or the performance of the contract. And in case the contract shall be rescind under the provision aforesaid, the contractor shall not be entitled to recover or be paid any sum for any works thereof actually performed by him under this contract unless and until the Executive Engineer shall have certified in writing the performance of such works and the amount payable to him in respect thereof and he only be entitled to be paid the amount so certified.

5. Notice for unsatisfactory progress

If the progress or a particular portion of the work is unsatisfactory the Executive Engineer whose decision shall be final, shall notwithstanding that the general progress of work is satisfactory; be entitled to take action under Clause 4(c) after giving the contractor **10 days'** notice in writing and the contractor will have no claim for compensation for any loss sustained by him owing to such actions.

6. Action in the case of Default by Contractor

If any case in which any of the powers conferred upon the Executive Engineer by Clauses 4 and 5 hereof, shall have exercised and the same shall not have been exercised, the non-exercised thereof shall not constitute a waiver of any of the conditions hereof and such powers shall not withstanding be exercisable in any further case of default by the contractor for which, by any clauses hereof, he is declared liable to pay compensation amounting to the whole of his security deposit and liability of the contractor for past and future compensation shall remain unaffected in the event of the Ex. Engineer taking action under sub clause (a) or (c) of Clause 4 he may, if he so desires, take possessions of all or any tools, plants, materials, and stores in such upon the work or the site thereof belonging to the contractor, or procured by him and intended to be used for the execution of the work of any part thereof paying for allowing for the same in account at the contract rates, or in the case of a contract rates not being applicable to current market rates to be certified by the Executive Engineer whose certificate thereof shall be final. In the alternative, the Executive Engineer may by notice in writing to the contractor or his clerk of works, foremen or other authorized agent, require him to remove such tools, plants, materials or stores from the premises within a time to be specified in such requisition to decisions to the contractor failing to comply with any such requisition, the decision of the Executive Engineer as to the expenses of any such removal and the amount of the proceed and expense of any such sale, be final and conclusive against the contractor.

If the Contractor shall neglect to execute the works with due diligence and expedition or shall refuse or neglect to comply with any reasonable order given to him, in writing by the Engineer in



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

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

7. Extension of Time Limit

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

8. Completion Certificate

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

9. Effect of the Certificate

No payment shall be made for any work estimated to cost less than Rs.1,000/- till after the whole of said work shall have been completed and certificate of completion given. But in the case of works estimated to cost more than Rs.1,000/- Contractor shall on submitting a monthly bill thereof, be entitled to receive payments. Proportionate to the part of the work then approved and passed by the Engineer-in-charge, whose certificate of such approval and a passing of the sum requiring bad, unsound, imperfect or unskillful work to be removed and taken away and reconstructed or rejected nor shall any such payment be considered as admission of the due performance of the contract or any part thereof in any respect of the accruing of the claim nor shall conclude, determine or effect in any way the powers of the Engineer-in-charge as to the final settlement and adjustment of the accounts otherwise or in any other way, vary or affect the contract. The final bill shall be submitted by the contractor within one month of the date fixed for completion of work. Otherwise the certificate of Engineer-in-charge of the measurement and of total amount payable for the work shall be final and binding on all parties.



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10. Payment to Contractors

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

11. Bills

The Bill shall be submitted by the contractor each month on or before the date fixed by the Engineer-in-charge, for all works, executed in the previous month and the Engineer-in-charge shall take or cause to be taken the requisite measurement for the purpose or having the same verified and the claim so far as it is admissible, shall be adjusted, if possible, within ten days from the presentation of the bills. If the contractor does not submit the bill, within the time fixed, as aforesaid, the Engineer-in-charge may depute a subordinate to measure up the said work in the presence of the contractor or his duly authorized agent, whose counter signature in the measurement shall be sufficient warrant and the Engineer-in-charge may prepare a bill from such list which shall be binding on the contractor in all respects. GETCO shall make effort for the payment of bills (RA & final bills) as early as possible, however no interest is payable on bill amount if there is delay in payment of GETCO for whatever reason.

The company has decided to make payment to suppliers/contractors through RTGS/NEFT by transfer of funds instead of cheques through regular courier service/RPAD the payment shall be released to your bank account through RTGS.

Therefore, the suppliers/contractors are requested to furnish the following details in original letter head with cancelled cheque.

1. Account Number
2. Type of account
3. Bank Name
4. Branch name & address
5. Contact no. of the branch
6. Email ID
7. One cancelled cheque
8. IFSC Code
9. For necessary payment against each consignment of material along with 100% taxes, duties, F & I shall be duly recorded in the form of TRC & SR note by the field office and works related bills, which shall be now uploaded on Vendor Management System (VMS) Portal, www.vms.guvnl.com including invoice, documents which are digitally signed by Vendors / Suppliers/Contractors. The supporting documents duly signed, stamped and scanned are required to be uploaded. The VMS portal also provides 'real time' tracking of invoice status, to monitor the process of submissions and to receive timely updates

12. Supply of Materials to Contractor

If the specification of the estimated work provides for use of any special description of material to be supplied from the Corporation's Stores or if it is required that the contractor shall use certain stores to be provided by the Engineer-in-charge (such material and stores and the prices to be charged thereof as here in after mentioned being so far as practicable for the convenience of contractor but not so as in any way to control, the meaning or effect of the contract specified in otherwise or from the security deposit or the proceeds of sale thereof if the deposit is held in Government Securities the same or a sufficient portion thereof, shall be sold for the purpose. All materials supplied to the contract shall remain the absolute property of Corporation and shall on no account be removed from the site of the work and shall at all time be open to inspection by the used by him or for any wastage in or damage thereto. The contractor shall be responsible for the loss, destruction or deterioration of the materials,



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stores or articles supplied to him by the Corporation even if such loss, destruction or deterioration has occurred under any circumstances whatsoever beyond his control as if the materials, stores or articles so supplied were his property.

13. Works to be executed in accordance with specifications, drawings, orders etc.

The contractor shall execute in whole and every part of work in the most substantial and workmanlike manner and both as regarding materials and in every other respect in strict accordance with the specification. The Contractor also shall confirm exactly, fully and faithfully to the designs, drawings and instructions in writing relating to the work signed by the Engineer-in - charge and lodged in his office and to which the contractor shall be entitled to have access for the purpose of Inspection at such office, or in the site of the work, during office hours and the

Contractor shall, also if he so requires, be entitled at his own expenses to make or cause to be made copies of the specification, and of all such designs, drawings and instructions as aforesaid.

14. Alteration in Specifications and Designs not to invalidate Contracts.

The Executive Engineer shall have powers to make any alteration, or addition to the original specification designs, and instructions that may appear to him to be necessary or advisable during the progress of the work and the contractor shall be bound to carry out the work in accordance with any instructions in this connection which may be given to him in writing, signed by the Engineer-in-charge and such alterations shall not invalidate the contract. Any additional work which the contractor may be directed to do in the manner above specified as part of the work shall be carried out by the contractor on the same conditions in all respect on which he agreed to do the main works, and at the same rates as are specified in the tender for the main work. Where, however, the works is to be executed according to the designs, drawing and specifications recommended by the contractor and accepted by the competent authority, the alteration above referred to shall be within the scope of such designs, drawings, and specifications appended to the tender.

15. Rates for works not entered in Estimate or Schedule of Rate of the District

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

16. Extension of Time Limit in consequence of Addition or Alteration.

The time limit for the work shall be extended in the proportion that the increase in its cost occasioned by alterations or additions bears to the cost of the original contract work and the certificate of the Engineer-in-charge as to such proportions shall be conclusive. No compensation shall be payable for Alternation in or Restriction of Work to be carried out. If at any time, after the execution of the contract documents the Engineer-in-charge shall, for any reason whatsoever, require the whole or any part of the work, as specified in the tender, to be stopped for any period or shall not require he whole or part of the work to be carried out at all or to be carried out by the contractor, he shall give notice in writing of the fact to the contractor who shall thereupon suspend or stop the work totally or partially as the case may be in any such case, except as provided here under the contractor shall have no claim to any



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payment or compensation what so ever on account of any profit or advantage which he might have derived from the execution, of the work in full but which he did not so derive in consequence of the full amount of work not having been carried out or on account of any loss that he may be put to on account of materials purchased or agree to be purchased or for unemployment of labour recruited by him. He shall not also have any; claim for compensation by reason of any alterations having been made in the original specification, drawings, designs and instructions which may involve any curtailment of the work as originally contemplated.

17. No claim to compensation on account of loss due to delay in supply of materials by Corporation.

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

I. Force Major

II. Act of God

III. Any other reasonable cause beyond the control of Corporation including Shortage of materials to be supplied by the Corporations & difficulties in time by reaching at the site of any materials equipment. In the case of such delay in the supply of materials, Corporation shall grant such extension of time for the completion of the works as shall appear to the Executive Engineer to be reasonable in accordance with circumstances of the case. The decision in the Executive Engineer as to the extension of time shall be accepted as final by the contractor.

18. Time Limit for Compensation Claims

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

19. Action and Compensation payable in case of Bad Work

If at any time, before the security deposit is refunded to the contractor, it shall appear to the Executive Engineer or his subordinate in charge of the work that any work has been executed with unsound, imperfect or unskillful workmanship or with materials of inferior quality or that any materials or articles provided by him for the execution of the work are unsound or of a inferior quality to that contracted for or are otherwise not in accordance with the contract, it shall be lawful for Engineer-in-charge to intimate this fact in writing to the contractor and then notwithstanding the fact that the work, materials or articles complained of, may have been inadvertently passed, certified and paid for, the contractor shall be bound forthwith to rectify or remove and reconstruct the work so specified in whole or any part, as the case may require or if so required shall remove the materials or articles so specified and provided other suitable materials or articles at his own charge and cost, and in the event of his failing to do so within a period to be specified by the Engineer-in-charge in the written intimation aforesaid the contractor shall be liable to pay compensation at the rate of one percent on the amount of the estimate for every day, not exceeding ten days during which the failure so continue and in the event of any such failure as aforesaid the Engineer-in-charge may rectify or remove and re-execute the work or remove and replace the materials or articles complained of, as the case may be, at the risk and expense in all respects of contractor should the Engineer-in-charge consider that any such inferior work or materials as described above may be accepted, or made use of, it shall be within his discretion to accept the same as such reduced rates as he may fix thereof. Provided that in the case of any work of which visible check is not possible, if the Engineer-in - charge or his subordinate in charge of the work feels that such work has been executed with unsound, imperfect or unskillful workmanship or with materials of inferior quality, he shall take sample tests at random, cost of which shall have to be borne by the contractor and if after taking such test, part of such work is found to be defective in any respect or to have been executed with materials of inferior quality, then the contractor shall be paid for the whole work such amount as may be fixed by the office of the Engineer-in-charge on the basis of the lowest quality of work found by him in such samples tests.



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Explanation: I

Sample Test shall mean:

- (i) In relation to poles fixed as line supports, the token of one pole out of every 100 poles after taking it out from its foundation for inspection.
- (ii) In relation to any other work, such test as may be considered necessary, by the Engineer-in - charge or his subordinate in charge of the work.

Explanation: II

Cost of the sample test shall mean cost incurred for the purpose of taking Samples & test and for restoring tested work to its original condition.

20. Work to be opened to Inspection, Contractor or Responsible Agent to be present

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

21. Notice to be given before work is covered up.

The contractor shall give not less than 5 days' notice in writing to the Executive Engineer or his subordinates in charge of the work, before covering up or otherwise placing beyond the reach of measurement of any work, in order that the same may be measured and correct dimensions thereof, taken before the same is so covered up or placed beyond the reach of measurement and shall not covered up or placed beyond the reach of measurement and work without the consent in writing of Executive Engineer or his subordinate in charge of work, If any work shall be covered up or placed beyond the reach without such notice having been given or consent obtained, the same shall be uncovered at the contractor's expense, and in default thereof, no payment or allowance shall be made for such work, or for the materials, with which the same, was executed.

22. Contractor's Liabilities

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



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23. Contractor Liable for all Damages

Compensation for all damage done intentionally or unintentionally by contractor's laborer, whether in or beyond the limit of Corporation's property, shall be estimated by the Executive Engineer, or such other office, as he may appoint and the estimate of the Executive Engineer, subject to the decision of the Superintending Engineer, on appeal, shall be final and the contractor shall be bound to pay the amount of the assessed compensation demand, failing which, the same will be recovered from the contractor as damages or deducted by the Engineer in charge from any sums that may be due to or become due from Corporation to the contractor under this contract or otherwise. The contractor shall bear the expenses of defending any action or other legal proceedings that may be brought by any person for injury sustained by him owing to neglect of precautions to prevent the spread of fire and he shall also pay any damage and costs that may be awarded by the court if in consequence.

24. Rescission of Contract and Forfeiture of Deposit.

The contractor shall not assign or sublet, without the written approval of the Engineer-in-charge and if the contractor assign or sublet his contract, or attempt to do so or become insolvent or commence any proceedings to be adjudicated as insolvent or make any composition with creditors, attempt to do so, the Engineer-in-charge may, by notice in writing rescind the contract. Also, if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise shall either directly or indirectly be given, promised or offered by the contractor or any of his servants, or agents, or any person to the employee of Corporation in any way relating to his office or employment or if nay such officers or persons shall become in any way directly or indirectly interested in the contract, the Executive Engineer may, by 10 day's notice in writing, rescind the contract. In the event of a contract being rescinded the Security Deposit of the contractor shall there upon stand forfeited and be absolutely at the disposal of Corporation and the same consequences shall ensure as it the contract has been rescinded under clause 4 thereof and in addition the contractor shall not be entitled to recover or be paid for any work thereof actually performed under the contract.

25. Compensation

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

26. Change in the constitution of firm to be notified

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

27. Works under direction of Superintending Engineer.

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

28. Decision of Superintending Engineer to be final.

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



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29. Arbitration

◆ Dispute Resolution Mechanism

(1) Amicable Settlement

Any dispute, difference, controversy or claim between the Parties arising out of or relating to this contract with reference to the construction, interpretation, breach, termination or validity thereof (hereinafter referred to 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 (30) 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 in sub-clause (1) of Clause 29, arising under or in connection with the present works contract, 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 defect's 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.

30. Stores to be obtained from Corporation

The Contractor shall obtain from the Corporation Stores, such articles as are mentioned in Schedule 'A' which may be required for the work or any part of the work or in making up any articles required therefore or in connection therewith, unless he has obtained permission in writing from the Executive Engineer or obtained such stores and articles from elsewhere. The value of such stores and articles as may be supplied to the contractor by the Engineer-in-charge will be debited to the contractor in his account at the rate shown in the Schedule “A” attached the contractor and if they are not entered in said schedule they shall debited to him at cost price which for the purpose of this contract shall include cost of carriage and all other expenses whatsoever which may have to be incurred in obtaining delivery of the same at the stores aforesaid and further overhead charges 15%. The Contractor shall be responsible for the loss destruction or deterioration of the materials, stores or articles supplied to him by the Corporation, even if such loss destruction or deterioration has occurred under any circumstances whatsoever beyond his control as if the material, stores or articles so supplied were his property. The contractor shall be responsible for returning the residual materials after completion of the contract and if fails to return, the balance material supplied to him by the Corporation, the cost of the residual materials will be recovered from the contractor at the market rate or stock issue rate whichever be higher at the time of materials account plus 15%.



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31.1 Lump Sum in Estimate

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

32. Lump Sum Tenders

Whenever lump sum tenders have been invited for building or other structures of the same type, design, the contractor shall submit his bill stated in Clause No.11 and the Engineer-in-charge not below the rank of Executive Engineer shall certify by general measurement or by other method considered suitable to him, the value of work done and the contractor shall be paid monthly a sum equal to 90% of the total value the work so certified, since the last payment, after deducting a part or whole of the secured advance if not already paid for the materials utilized on the works. An additional secured advance for any fresh materials brought on site will also be paid if certified by the officer not below the rank of Executive Engineer. After the work is completed, final bill would be paid on the certification of officer not below the rank of Executive Engineer, that the work is done according to drawing and specifications attached to the tender. If any additions and alteration have been carried out, detailed measurements in respect thereof shall be recorded and extra payment or deductions are regulated as per item rates quoted by the contractor while submitting the tender and if there are any items in the additions and alterations for which the contractor has not quoted a rate, the payment shall be as per Clause 15 above.

33. Action where no specifications.

In the case of any class of work for which there is no such specifications as is mentioned in clause 1. such work shall be carried out in accordance with the divisional specifications and in there event of there being no divisional specifications, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-charge / consultant of the Corporation etc.

34. Industrial Labour Laws

1.Wages to be paid and time of payment etc. by the Contractor: -

- a) The contractor shall pay minimum wages as fixed under Minimum Wages Act whichever is higher. The wages of every contract labour employed by him under this contract shall be paid by him before the expiry of 7th day of the last day of the month in respect 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 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 Corporation. Any default will result in cancellation of contract forthwith or else the contractor shall be punishable to the extent of Rs.100/- fine per each day.
- b) The contractor shall give his telephone number and address to the Corporation so that in case of labour trouble etc., the contractor can be contacted. The contractor shall arrange to have his office outside the factory premises and the contractor keep himself present throughout the working hours.

Labour Laws: -

- a) Persons below the age of **18 years** shall not be employed for the work.
- b) No female worker shall be employed in the night shift between **7.00 p.m. to 6.00 a.m.**
- c) Contractor shall maintain a valid labour 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 contractor shall be liable to be terminated without assigning any reason thereof.



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d) The contractor shall at his own expense comply with all labour laws and keep the Corporation indemnified in respect thereof. Some of the major liabilities under various labour and industrial laws which the contractor shall comply with are as under:

- i. Payment of contribution of wages of employer's contributions towards Provident Fund, Family Pension Scheme, Deposit Linked Insurance Scheme, Administrative Charges etc. at the rates made applicable from time to time by Government of Gujarat / Government of India or other Statutory Authorities.
- ii. Payment of deposit in respect of each contract labour of the rate of RS.30/- with the office of the Commissioner of Labour as per the Contract Labour Act (Regulation & Abolition).
- iii. License Fee as prescribed under the contract Labour Act (Regulation and Abolition) 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. Identity cards as prescribed under the factories Act with photo affixed thereto, the same for identification.
- vi. Payment of retrenchment compensation, notice pay and other liabilities as per Industrial Disputes Act. Any payment to the contractor's employees arising out of any claim of disputes under the Industrial Disputes Act – 1947 or any other laws.
- vii. Provision of compensation in the case of accidental injury.
- viii. Payment of crèche if the female labour employed is more than 30 numbers
- ix. Maternity leave as per the provision 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.

2. Provident Fund and Family Pension Scheme

The contractor shall submit along with his bill (month wise) a statement regarding deductions against employee's provident fund and family pension scheme in respect of each concerned employees' Provident Fund and Family Pension scheme at the rate of 12 % (or at the rates made applicable by the Government from time to time) of the wages. Contractor's contribution and his workers contribution towards provident fund and family pension scheme shall be deposited by the contractor with regional Provident Fund Commissioner, Ahmedabad.

3. Deposit Linked Insurance Scheme: -

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

4. Administrative Charges: -

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

5. Paid Leave Facility

Paid leave facility at the rate of one day for every 20 days worked by the contract laborer shall be provided by the contractor to his workers. He shall maintain Leave records/ Leave Cards for individual laborer which shall be duly verified and approved/ certified by the authorized officer of the Corporation.

6. Workmen's Compensation Fund and Employers Liability Insurance: -

The contractor shall cover all his employees under Workmen's Compensation Fund and under the Liability Insurance. The contractor shall employ adequate number of experienced staff at site for daily supervision and for maintenance of various registers and records required under the law and contract. No payment for supervision shall be admissible.

7. Contractor to Indemnify to the Corporation



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

Labour (Abolition and Regulation) Act 1979. The Corporation shall not be liable for or in respect of or in consequence of any accident or injury to any workmen or other person in the employment of the contractor or his sub-contractors, and the contractor shall indemnify and keep indemnified the Corporation against all such damage and compensation and against all claims, demands, proceedings costs, charges and expenses whatsoever in respect thereof or in relation thereto.

8. Workmen's Compensation and Employer's Liability Insurance: -

Insurance shall be affected for all the contractors for all the contractor's employees engaged in the performance of this contract. If any of the work is sublet to the sub-contractor, the contractor shall require that he or his sub-contractor to provide workmen's compensation and employer's liability insurance for the latter's employees unless such employees recovered under the contractor's insurance.

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

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

11. Nothing in the contract document stated shall in any wise constitute any workmen/ employees of the contractor or any sub-contractor as or to be workmen/employee of the power, or place obligation or liability in respect of any such workmen/ employee upon the Corporation.

NOTE: -The Prevailing Act at the time of execution of work over and above act specified herein shall be binding to the contractor

35. No Claim for Variation in Quantities of Work

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

36. No Claim for Compensation for Delay in starting work

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

37. No Claim for Compensation for delay in execution of work

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

38. Entering upon or commencing any portion of work



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The contractor shall not enter upon or commence any portion of work except with the written authority or instructions of the Executive Engineer or his subordinate in charge of the work, failing such the contractor shall have no claim to ask for measurement or payment for work.

39. Method of Payment

Payment to contractors shall be made by A/c payee Cheque provided the amount exceeds Rs.50/-. Amount not exceeding Rs.50/- will be paid in cash. Generally, payment may take 30 to 60 days after passing of bills depending on availability of fund.

40. Acceptance of conditions on tendering for work.

Submission to tender or acceptance of work order shall imply acceptance of these conditions of tender by contractor.

41. Employment of Scarcity Labour

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

42. Employment of Technical Persons

The contractor who are registered under class 'A', 'B' and 'C' or such contractors who executes the works of Rs.5 lakhs and above shall employ the technically qualified personnel possessing minimum a Diploma of reconciled technical institution, for executing the work of the Corporation.

Date:

(Signature of Contractor)

Address:

Superintending Engineer (TR),

GETCO, Circle Office,

Palanpur



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GENERAL CONDITIONS OF CONTRACT

1.0 Contactor to inform himself fully:

The contractor shall be deemed to have carefully examined the work & site conditions, the general conditions, the special conditions, specifications, schedules, drawings shall be deemed to have visited the site of the works & to

have fully informed himself regarding the local conditions. Copy of Appendix V attached with tender shall have to be filled up before quoting the rate, for confirmation of site visit. If there shall have any doubts as to the meaning of any portion of these general conditions or special conditions of the scope of work of the specifications or any other matter concerning the contract, he shall in good time before submitting his tender, send for the particulars thereof & submit them to the Engineer in writing in order that such doubt may be removed.

2.0 Data to be furnished by Contractor:

Prior to the commencement of work the contractor shall submit a bar chart showing detailed programme for completing the work within time limit to the S. E. for approval within a week of the date of LOI. No change in the approved plan & layout shall be carried out without specific written approval of the Executive Engineer in charge.

3.0 Errors, Omissions & Discrepancies:

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

4.0

1. Temporary structures may be erected by the contractor for storage sheds, offices, and residential etc. for non-commercial use on land, handed over to him at his own expense & with the permission of the Corporation. In any circumstances for constructing temporary structures contractor's use, Corporation free supply of materials shall not be made. If it is found that Corporation's free supply material are used for the works other than approved drawings, it will be recovered at penalized rate.
2. The contractor shall preserve all existing vegetation such as trees on or adjacent, to the works site which, do not interfere with the construction as determined by the Corporation.
3. The contractor shall take all possible precautions in felling trees authorized for removal to avoid any unnecessary damage to vegetation & trees not to be felled & to structures or to workmen, & shall be responsible for any damage if it occurs in such operations.
4. All produce from cutting of trees grass etc. shall be the property of Corporation & shall be stacked at the directed places. No claim shall be made for such tree felling / cutting & stacking of trees/produce or grass etc. by the contractor.
5. The land shall as herein before mentioned be handed over to Corporation / Owner of Land immediately after the completion of the work under this contract. Also no land shall be held by the contractor longer than the Corporation shall deem fit & necessary & the contractor shall, on due notice by the Corporation, vacate & return the land which the Engineer In Charge may certify as no longer required by the contractor for purposes of the work.

5.0 Start of Work:

The contractor shall not enter upon or commence any portion of the work except with the written permission of the authority of the Corporation, failing which the contractor shall have no claim to ask for measurement of or payment for work & shall be responsible for any claims or damages that may arise due to such unauthorized commencement or entry. No compensation shall be allowed for any delay caused in starting the work on account of any delay in clearance of the work site.

6.0 Work to execute to the satisfaction of the Corporation's Engineers:



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The contractor shall proceed with the work with diligence & expedition & the whole of the work herein specified as well as the mode of execution shall be under the supervision & the direction & shall be carried on to the entire satisfaction of the Corporation's site Engineers, who shall have full powers to order the contractor to alter, enlarge or diminish the form, dimensions, positions, or quantities of any of the work or to make use of materials & workmanship of different descriptions & qualities from this herein specified. In the case of any class of work for which there are no Technical Specifications, these shall be carried out in accordance with the latest IS Codes & in the event of being no relevant IS Code, the works shall be carried out in accordance with the directions & instructions of the Corporation's Engineers at site.

7.0 Workmanship etc.:

The work shall be executed in thoroughly substantial manner with workmanship of best quality & strictly in accordance with the specifications & with the drawings, or with such other drawings or written instructions as may from time to time be furnished to the contractor, in accordance with terms of this contract & shall be completed in every respect with workmanship implied & necessary according to the fair interpretation & meaning of the same & should there be any discrepancy between the drawings & specifications or any difference or dispute as to the dimensions to be worked out or the mode of doing periodical quantity of the work to be executed or with respect to any subject arising out of this contract, the decision of the Corporation's authorized Engineers shall be final & binding on all parties.

8.0 Samples of descriptive Data:

Samples of descriptive data requiring approval shall be submitted by the Contractor to the Corporation's Engineers in good time before the use of such material to permit its inspection & testing & there-by the approval. The samples shall be properly marked to show the name of material, manufacture place or origin & the place where it is intended to be used etc. Failure of any samples to pass specified tests requirements. It shall be sufficient cause for the refusal to consider any further samples from that source.

9.0 Baselines & Grades:

The Corporation near to the site of work shall furnish one permanent Bench Mark. Semi-permanent baselines & cross lines shall be established at sufficiently spaced intervals with benchmarks by the Contractor at his own cost & risk. The contractor shall provide at his expense, all the required pillars, equipment's, materials, & labour for the establishment of the grade lines & bench marks, for that the Contractor shall be responsible for their further maintenance during the execution of the actual work till the complete period of construction. The contractor shall be responsible for the proper execution of work to such lines & levels & grades as may be specified in the drawings, established, or indicated by the Corporation's Engineers. All the survey work, if required, shall be checked by the Corporation's engineers. However, this shall not absolve the contractor for the correctness of survey/ temporary or permanent Benchmarks.

10.0 Contactor not to dispose off soil etc.:

The contractor shall not sell or otherwise dispose off or remove except for the purpose of this contract the sand, ballast, earth, rock or other substances or materials that may be obtained from any execution made for the purpose of this contract or produce upon the site at the time of delivery of the possession of the land but also such substances materials & produce shall be the property of the Corporation & shall be disposed off in the manner & place as directed by the Corporation's Engineers.

11.0 Gold, silver, Minerals, Oil Relics, etc. found on the Site:

All gold silver, oil relics, or other minerals, of any description & all precious stones, coins, treasures relic, antiquities, & other similar things that shall be found in or upon the site shall be the property of the Corporation. The contractor shall return the gathered things as above to the authorized representative of the Corporation.



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12.0 Fencing, lighting & ventilation:

The contractor shall be responsible for the proper lighting, fencing, guarding & taking of all the necessary safety measures for all works comprised in the contract & or the proper provision of temporary roadways, footways, guards fences, caution notices etc. as far as the same may be rendered necessary by reasons for the work for the accommodation & protection of workmen foot passenger or other traffic & of the Corporation & occupiers of adjacent villages, property of the public & shall remain responsible for any accidents that may occur on account of his failure & timely precautions. All the works & approaches shall be adequately illuminated with electric lights to the satisfaction of the Corporation's Engineers. The power & lighting connections, wiring equipment shall be subject to the inspection & passing by Electrical Inspector to GOG authorized under the Indian Electricity Act. Any additions alterations or omissions shall be got approved from the Corporation's Engineers got certified from the Electrical Inspector. Work spots such as faces of excavation of borrow pits; filling area etc. shall be adequately illuminated with floodlights to the satisfaction of the Corporation's Engineers.

13.0 Explosive procurement & storage:

Explosives, petrol, oils, fuels, & other inflammable materials shall be stored strictly in accordance with the rules of the Explosive Department.

The contractor shall at his own expense construct & maintain proper magazines which are required for the storage of explosive & arrange for storage facilities for oils, petrol, fuels etc. for use in connection with the work. The contractor shall at his own cost obtain the necessary license for the storage & use of explosives, oils, petrol, diesel etc. The Corporation shall not take any responsibility whatsoever in connection with the storage or use of explosives on the site, any accident occurs in the connection at site or nearby village or vicinity. All operations of the contractor in which or for which explosives are employed shall be at the risk of the contractor & upon his own responsibility.

14.0 Liability for accidents to persons:

14.0.1 The contractor or subcontractor shall indemnify the Corporation against any claims which may be made under the workman's compensation Act, 1923, or any statutory modification or otherwise for or in respect of any damages or compensation payable in consequence of any accident or injury caused, by fault of contractor or subcontractor & sustained by any workmen or other person on the employment of the contractor or subcontractor. In every case in which by virtue of the provisions of subsection (1) of section 12 of the workman's Compensation Act, 1923, the Corporation is obliged to pay compensation to a workman employed by the contractor or subcontractor in execution of the work, the Corporation will recover from the contractor the amount of compensation so paid, and without prejudice to the rights of the Corporation under subsection 12 of the said Act, such amount will be paid back to the Corporation in 30 days, failing which the Corporation will be at liberty to recover such amount of any part thereof by deducting it from the dues by the Corporation to the contractor under this contract or otherwise. The Corporation shall not be bound to contract any claim made against either of them under section 12, subsection (1) of the said Act, except on written request from the contractor & upon his giving to the Corporation full security for all costs for which the Corporation might become liable in consequence for entertaining such claims.

14.0.2 The contractor and/or subcontractor named in the contract shall indemnify the Corporation against all claims based upon injury or death to any person in the employment of the contractor or subcontractor, or to the third parties under paragraph (a) 2 or condition no.47 to the extent of any sums recovered under the insurance policy.

14.0.3 On occurrence of the accident which result on the death of workman employed by the contractor or subcontractor, which is so serious as to be likely to result in the death of any workman, the contractor shall within 24 hours of happening of such event intimate in writing to the Engineers of the Corporation the fact of such accidents. The contractor or subcontractor shall indemnify the Corporation against all loss or damage sustained, by the Corporation resulting directly or indirectly from his failure to give intimation in the manner aforesaid including penalties or fine if any, payable by Corporation as a



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consequence of Corporation's failure, to give notice under workman's compensation Act or otherwise to confirm to the provisions of the said Act in regard to such accident.

Liability for damage to works & materials:

14.0.4 The contractor shall during, the progress of the work, properly protect the works & the existing Ash Disposal pipelines & materials placed at his disposal or acquired for him by the Corporation, & shall remain answerable & liable for all accidents, damages. Loss etc. & shall be made good in the most complete & substantial manner by & at the sole cost of the contractor & to the reasonable satisfaction of the Corporation's Engineers. If the contractor fails to make good such losses, damages within the specified time given by the Corporation, the Corporation shall be at liberty to recover the amount towards such expenses fixed by the Corporation's Engineers & shall be recovered from the amount due under this contract to the contractor.

14.0.5 Further the contractor shall, at all times, protect & preserve all materials, machinery, equipment's, Ash Disposal pipelines, allied structures such as spillway chambers, ADP, haul road and ramps etc., materials & so acquired by himself or Corporation for the execution of the work. All reasonable requests of the Corporation's Engineers to enclose or especially protect any of the above shall be expeditiously complied with at no extra cost.

14.0.6 If the Engineer considers that the work, asked for in the aforesaid Para, is not sufficiently & satisfactorily protected by the contractor, on requests made for, the Corporation shall be entitled to arrange for such protection at his unfettered discretion & recover the cost thereof from the contractor.

14.0.7 Until the work shall be or deemed to be taken, over as aforesaid, the contractor shall also be liable for & shall be deemed to have indemnified the Corporation in respect of all damage or injury to any person or any property of the Corporation or of others in villages nearby, occasioned by the negligence of the contractor or his workmen, or his subcontractor, or by defective /ill methods of working.

14.0.8 Materials, tools, machinery brought on the site of work: All materials, tools & tackles, machinery etc. of the contractor brought to & delivered upon the site for the work shall be the time of their being so brought shall be deemed to be the property of the Corporation in its possession to be used for the purpose of the work & for that purpose only & shall not on any account be removed or taken away by the contractor or any other person without the permission of the Corporation's Engineers in charge, but the contractor shall be fully responsible for & loss, destruction thereof or damage thereto. The Corporation may have a lien on such materials, tools, tackles, machinery for any sum or sums which may at any time prior to the completion of the works be or owing to the Corporation by the contractor, under in respect of & dispose of any such materials, tools. Tackles, machinery in such a manner as the Corporation may think fit & to apply the proceeds in or towards the satisfaction of such sum or sums due or owing as aforesaid but subject to such lien & power of sale & disposal such surplus materials, tools, tackles, machinery shall belong to the contractor & may be removed & disposed off by him as he may think fit.

15.0 Access to site & work on site:

The Engineer or his authorized representative may if he considers fit from time to time enter upon any lands which may be in the possession of the contractor under this contract, for the purpose of executing any work not included in this contract & may execute by other contractors at his opinion & the contractor shall in accordance with the requirements of the Engineer, afford all reasonable facilities for execution of the works including occupation of lands by structure or otherwise for any other contractor employed by the Corporation & his workmen or for the execution on or near site of the works not included in the contract. The contractor shall not be entitled for any extra claims on such executions.

16.0 Inspection of Works:

The Corporation's Engineers or their authorized representatives shall have at all times power to inspect the works, wherever in progress, either on site, on the contractor's premises in connection with this contract. Further, the contractor shall not allow any person other than Corporation's Engineers or their authorized representatives to the work sites. The contractor shall, during working hours, maintain supervisors of sufficient training & experience to supervise the work as a whole. All orders & directions given to such supervisors or other staff shall be deemed to have been given to the contractor. Further



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the Corporation may by due notice, desire a high-ranking member of the supervisor staff of the contractor to be present on any specified inspection & the contractor shall comply with such directions.

17.0 Action & compensation payable in case of Bad Work:

If at any time before the refund of Security Deposit to the Contractor it appears to Gujarat Energy Transmission Corporation's Executive Engineers or subordinate and / or any authorized officer of the Corporation that the work has been executed with unsound, imperfect or unskilled workmanship or with materials of inferior quality or any materials or articles provided by him are unsound or of quality inferior to that contracted as specified in the Technical Specifications or otherwise not in accordance with the contract, it shall be lawful for the Gujarat Electricity Corporation to intimate that the works, materials, articles which may have been inadvertently passed, certified & paid to the Contractor. The Contractor shall be bound to rectify or remove & reconstruct the said work so specified at his own charge & cost & in the event of being failure to do so within specified period by the Corporation, the Contractor shall be liable to pay compensation at the rate of 1% per day on the amount of the estimate for the specified work. For the period up to 10 days this shall be attended by the Contractor else the Corporation shall get these rectifications at the risk & expense in all respects of the Contractor.

18.0 Cleaning up:

18.0.1 The contractor shall at all time keep the construction areas & his labour colony & storage areas free from accumulation of waste, or rejected materials.

18.0.2 Prior to the completion of the work the contractor shall remove all rubbish from & about the premises, & tools, tackles, machinery, left out materials consumable, rejected materials, scaffolding etc. which are not the part of the permanent work/structure. The premises will be left fully satisfactorily to the Corporation's Engineers/representatives; thereafter only the completion certificate will be issued.

19.0 Contractor's inventory of equipment's & machinery:

The contractor shall prepare & maintain an inventory of all machinery, equipment's, temporary rolling stock, and plant purchased or hired for the use of this contract's execution.

19.1 Progress Schedule:

Contractor shall furnish a Construction Schedule on receipt of LOI or Work Order whichever is earlier, in quadruplicate, indicating the date of start, the monthly progress expected to be achieved & anticipated completion of each major items of the work under this contract & procurement of equipment's, machinery & other materials. The schedule should be such as is practicable of achievement the whole work in the time limit & of the particular items on due date specified in the contract & shall have the approval of the Corporation's Engineers. Detailed schedules for each working season showing the progress month by month to be achieved is to be submitted to the Corporation. The Corporation is empowered to ask for more detailed progress schedule week by week for any item or for all items & the contractor shall comply when asked for.

19.2: The Corporation shall have, at all times the right without in any way violating this contract, or forming grounds for claim to alter the order of the works or any part thereof & the contractor shall after receiving such direction proceed in the order directed. The contractor shall revise the progress schedule accordingly & submit to the Corporation in four copies.

19.3: The contractor shall furnish sufficient machinery, equipment, labourers & materials shall work for such hours & shifts as may be necessary to maintain/achieve the progress of the scheduled, after getting written permission of Engineer In Charge.

19.4 The progress schedules shall be in the form of bar charts, statements &/or reports as may be necessary & directed by the Corporation's representatives.

19.5.1 Unsatisfactory Progress: In the case of unsatisfactory progress by the contractor not proceeding as per the Scheduled Programme approved by the Corporation, suitable actions shall be taken in accordance with Clauses No. 3 & 4 of the booklet prescribed by the Corporation for "Tender & Contract for Works".

Recoveries:



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Recoveries due from the contractor, up to the end of the month previous to the one in which the bill is prepared shall be made from bills approved for payment every month or at other periods when the bills are prepared, for the enlisted, but not limited to, in the order of priorities & extents. (a) Penalty, if Levi able, Expenditure, in full, incurred by the Corporation on contractor's behalf in

labour, machinery, equipment etc.,

(b) Charges for services such as water & power supply, etc. in full,

(c) Hire charges for Corporation's or Government machinery if any,

(d) Other recoveries not specifically mentioned but recoverable.

20.0 Date of completion:

The contractor shall complete the whole work & hand over to the Corporation on or before the date specified in the work order. Provided always that if in the opinion of the Corporation the completion of the works shall be delayed by any change of original design or by the order of the Corporation, of any altered, modified substituted or additional works or materials omitted or by strikes, lock outs or stoppages of labour, or revolution, riots, civil or political disturbance or by the contractor not being given possession of the site or by the Corporation taking possession of & using the site or part thereof or the works or part thereof or any part of the work or delayed supply of material by the Corporation or by the not receiving any orders, drawings, instructions or directions in time or by the suspensions if the works or by fire, flood exceptionally bad weather tempest, storm or by from unforeseen circumstances(& whether the same shall be due to any act or omission of the Corporation or it's representatives) the Corporation may in the unfettered discretion thinks fit either forthwith or at a later time & from time to time notwithstanding that the prescribed or extended time for completion has expired or work have been completed, extend the date for the completion of the works to such a date as deemed fit as practical & acceptable.

21.0 Subletting of contract:

There will be generally no objection on the component parts if the work, being given over to responsible subcontractors but Corporation shall under no circumstances recognize these subcontractors & the responsibility of executing the work in the accordance with the conditions of contract will entirely rest on the main contractor. However written consent of EIC shall be obtained before subletting. The main contractor will therefore always have the very responsible member, preferably a technical hand present on the works with power to sign all work orders issued on the site of work & to take requisite actions in the interest of efficient execution of work.

22.0 Other contracts for the suspension stoppage or curtailments of work:

If during the tendency of the contract the Engineer shall for any reason (which shall be unquestioned) whatsoever require the whole or any part of the work as specified in the contract to be suspended for any period or shall not require the whole or any part of the work as specified in the contract to be carried out at all by the contractor, he shall give notice in writing of the fact to the contractor who shall thereupon suspend or stop the work totally or partially as the case may be. In any case except as provided hereunder, the contractor shall have no claim to any payment or compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full but he did not so derive in consequence of the full amount of the work not having being carried out, or on account of any loss that he may be put on account of materials purchased or agreed to be purchased or for unemployment of labour recruited by him. He shall not also have any claim for compensation but reason of any alterations having been made in the original specifications, drawings, designs & instructions that may involve any curtailment of the work as originally contemplated. Where however, materials have already been purchased or agreed to be purchased by the contractor, before receipt of the aforesaid notice, the contractor shall be paid for such materials at the rate determined by the Corporation, provided they would have been useful for the work curtailed or stopped are not in excess of requirements are of approved quality & cannot be used on other contract works or otherwise by the contractor &/or shall be compensated for the loss if any, that he may put to, on respect of materials agreed to be purchased by him, the amount of such compensation to be determined by the



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Corporation, whose decision shall be final. The Corporation may order the contractor to suspend any work on account of bad weather; rain or storm & such other adverse climate conditions & the contractor shall comply with the same. The contractor shall not be entitled to any compensation for such suspensions of work.

23.0 Other contractors:

Apart from this work, the other works connected with this work will be simultaneously going on either departmentally or through any other contractors. The contractors shall co-operate with others to their fullest extent & shall allow each other every facility & coordination for the execution of their works simultaneously & satisfactorily, during their action of machinery or execution of any other co-ordination works, the contractor will have to co-operate as directed by the Corporation's Engineers in the charge of the works. In such cases the contractor shall not be entitled for any compensation on account of reduction or stoppage of labour force/machinery/equipment's etc. In the matter of dumps, haul, roads, drainage, diversion & the like, each contractor shall take into considerations the needs & the requirements of the other contractors if any working in the vicinity. Further no contractor shall take or cause to be taken any stops or action that may cause disruption, discontent or disturbance to the work, labour arrangements etc. to other contractors. Any action, by any contractor, which the Corporation in the unquestioned discretion may consider as infringement of the above code, would be considered as a breach of the contract conditions & the Corporation may take such action as may deem fit against the contractor & the action taken shall be considered as final & binding.

24.0 Speed of work:

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

25.0 Contract document & matters to be treated as confidential:

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

26.0 Access to the contractor's book:

Whenever it is considered necessary by the Corporation to ascertain the actual cost for execution of any particular item of work, the Corporation may do so by directing the contractor to produce the original invoices.

27.0 Interest on money due to the contractor:

The contractor shall not be entitled to receive the interest on the payment due to him upon measurements or otherwise or on any balance payable to the contractor. Also, contractor shall not be allowed to relate it with the progress of work at site in any case.

28.0 Measurements to be provisional & subject to correction:

Every measurement for running payment on account of work done shall be subject to adjustment or final measurements. In case there is disagreement between such intermediate & final measurements, the latter shall prevail.

29.0 R. A Bills:

The contractor shall submit his R/A bill every month, which shall be processed in reasonable time after checking and recording the MB. The contractor shall be responsible to submit R/A bills well in time and shall depute his representative for joint checking of the measurements; so that the bills can be processed in time. The contractor shall take due care in this regard, failing to which consequences will be up to him.

Welfare Cess

- As per the Welfare Cess Act, the welfare cess @ 1% is applicable on supply and erection items for supply, erection, testing & commissioning of substation, transmission lines, EPC/Turnkey projects and civil works.
- Contractor shall get registered under Welfare Cess Act before commencement of work. Office of the Factory Inspector is authorized at present as a registering authority.



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- The welfare cess@1% is considered in the price schedules so, the bidders are requested to quote accordingly.
- GETCO shall pay the welfare cess by way of reimbursing to contractors on production of documentary evidence of payment.
- The contracts for which supply or part supply of material are in the scope of GETCO, then contractors shall deposit welfare cess on estimated cost of supplied items to GETCO on progressive basis of utilization. As this part of welfare cess is on GETCO account, the same shall be reimbursed to the contractor on receipt of request letter along with documentary evidence of payment. For calculation of welfare cess on supply part, valuation as per MR shall be taken and informed to the contractor for payment. This will be over and above the A/T value.

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

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

30.0 Breach on part of Corporation not to annul contract:

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

31.0 Labour conditions:

31.1 The contractor shall comply with the labour laws laid as may be current & shall furnish the returns & information as may be specified from time to time.

31.2 The contractor shall as far as possible obtain his requirements of labour, skilled & unskilled from the local areas.

31.3 The contractor shall pay wages as per the latest circulars applicable at the times for the minimum wages to be paid to unskilled, semiskilled & skilled labour prescribed by the Govt. of Gujarat.

31.4 The Corporation shall have the authority to remove from the work site any person, who may be considered unfit or undesirable & no responsibility shall be accepted by the Corporation for any delay or extra expense caused towards the completion of the work by such removal.

31.5 If Govt. declares a state of scarcity or famine to exist in any village situated within 10 Km. of the work site then the piece worker or contractor shall employ upon such parts of work, as are suitable for unskilled labour any person certified by the Corporation or by any person to whom the Corporation has authorized, & shall pay the minimum wages as fixed by the Govt. of Gujarat in this behalf. Any dispute that may arise in the implementation of the clause the decision of the Supdt. Engineer (civil) shall be final & binding.

31.6 The contractor shall provide reasonable facilities to the labour employed by him. The usual facilities are weather proof shelter for rest & meal, supply of whole some drinking water, facilities for obtaining



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food, reasonable washing & sanitary facilities, special facilities for women workers, suitable residential accommodation, general sanitation & health measures etc.

31.7 The implementation of any & all provisions of this clause in no way entitles the contractor to claim in this contract.

32. Local Laws:

31.1 All local laws in force at the time entering into the contract & those enacted there after shall be binding on the contractor & he shall abide by the same.

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

33. Performa returns:

The contractor shall maintain proforma, charts & details regarding machinery, equipment's, materials labour, personnel & other matters as may be specified by the Corporation time to time.

34. Maintenance:

The contractor shall maintain the works under contract for a period of one year from actual date of completion and during this period all maintenance expenditure incurred shall be borne by the contractor.

35. Insurance:

The contractor shall procure, or arrange for the Subcontractor to procure insurance coverage in amounts approved by the Corporation & sufficient to protect against the following risks arising out of the work. Accidents & professional & non-professional sickness of all labourers & personnel engaged in the work as required by Law pursuant to Workmen's Compensation Act, 1923 or Revised version thereof. Injury or death to third parties including without limitation injury or death caused by any of the construction aids or vehicles or rented machinery, equipment's used by the contractor or subcontractor whether at the site or elsewhere. Damage to contractors' tools machinery construction equipment's form works, scaffolding materials etc. due to floods, earthquake or any such cause. Damage to the existing permanent structures of the Corporation & nearby villages, equipment's of the Corporation or of the co-contractors working in the area for other works.

All the above conditions referred for the insurance cover, shall be in effect from the date of commencement of the work until the Corporation has accepted the work. In the policies covering the insurances referred to above, the Corporation, contractor & the subcontractor shall be as co-ensured where possible.

The cost of insurance shall be borne by the contractor.

36. Liens:

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

37. RIGHTS OF THE OWNER

Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the contractor, the Owner shall be entitled to withhold and also have lien to retain such sum or sums in whole or in part from the security, if any, deposited by the contractor and for the purpose aforesaid, the Owner shall be entitled to encash and withhold the amount of Performance Bank Guarantee or other security, if any, furnished as the case may be. The Owner shall also have a lien over the same pending finalization or adjudication of any such claim. In the event of the security is insufficient to cover the



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claimed amount or amounts, the Owner shall be entitled to withhold and have lien to retain to the extent of the such claimed amount or amounts referred to above, from any sum or sums found payable or which at any time-thereafter may become payable to the Contractor under the same contract or any other contract with the Owner or GUVNL or its subsidiary companies pending finalization or adjudication of any such claim.

Lien in respect of Claims in other Contracts:

- a) Any sum of money due and payable, to the Contractor (including the security deposit) under the contract may be withheld or retained by way of lien by the Owner against any of its claim in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the owner or GUVNL or any of its subsidiary companies.
- b) It is an agreed that the sum of money so withheld or retained under this clause by the Owner will be kept withheld or retained as such by the owner till its claim arising out of the same contract or any other contract is either mutually settled or determined by the arbitrator or competent court, as the case may be, and the Contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and as may be duly notified to the contractor."

38. Relationship with employee: -

Every bidder, at the time of submission of bid. Give a declaration as under

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

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

39. Conflict of Interest among Bidders/ Agents

A bidder shall not have conflict of interest with other bidders for particular quoted item. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process for particular quoted item, if:

- a) they have proprietor/ partner(s)/ Director(s) in common; or
- b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or
- c) they have the same legal representative/ agent for purposes of this bid; or
- d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder; or
- e) bidder participates in more than one bid in this bidding process. Participation by a bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ assemblies from one bidding manufacturer in more than one bid.
- f) in cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/ dealer. There can be only one bid from the following:
 1. The principal manufacturer directly or through one Indian agent on his behalf; and
 2. Indian/ foreign agent on behalf of only one principal.



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- g) a Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid;
- h) in case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/ management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business.
- i) Bidder shall not act in contravention/ violation to the provisions of competition act, as amended from time to time.

Every bidder should, at the time of submission of bid, give a declaration, that bidder shall not have conflict of interest with other bidders, as above.

40. Use of Call before you dig (CBUD) App

All the excavators/excavating agencies engaged by "GETCO (Gujarat Energy Transmission Corporation Limited) must self-register "Call Before you Dig (CBUD) app as excavator

All digging agencies/Contractors must be mandated to do any type of digging/excavation only after prior intimation through CBUD Mobile app.



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SECTION -D
TECHNICAL SPECIFICATIONS



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GETCO

GUJARAT ENERGY TRANSMISSION
CORPORATION LTD.

SARADAR PATEL VIDYUT BHAVAN,
RACE COURSE, BARODA – 390 007.

GETCO/C/TS - GEOTECH/R1, JULY 2026

TECHNICAL SPECIFICATIONS
FOR
GEOTECHNICAL INVESTIGATION



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GEOTECHNICAL INVESTIGATION.

1. GENERAL REQUIREMENTS

The Bidder shall have its own fully equipped laboratory with adequate facilities, equipment's and qualified person to carry out all required testing (in accordance with the relevant standard & project requirement) associated with the geotechnical investigation works.

This specification covers the technical requirements for carrying out detailed geotechnical investigations and submission of a comprehensive Geotechnical Investigation Report for the proposed substation.

The purpose of the investigation is to establish the subsurface conditions and to determine the relevant engineering properties of soil and rock necessary for the safe, reliable, and economical design of foundations and other civil works. The investigation shall provide adequate and accurate geotechnical parameters, including soil stratification, groundwater conditions, bearing capacity, settlement characteristics, and other design parameters required for foundation engineering.

The findings and recommendations of the Geotechnical Investigation Report shall form the basis for the design of all structures and facilities within the substation premises, including but not limited to:

- Control Room-cum-Administrative Building and associated buildings;
- Residential quarters and colony infrastructure, wherever applicable;
- Transformer foundations;
- GIS building foundations;
- Gantry and switchyard structure foundations;
- Foundations for electrical equipment including circuit breakers, current transformers, capacitor voltage transformers, lightning arresters, wave traps, cable sealing ends and other equipment;
- Foundations for vibratory equipment;
- Cable trenches, oil sumps and underground utilities;
- Peripheral drains, roadside drains and retaining structures;
- Internal roads and pavements;
- Boundary walls, fire walls and security structures; and



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- Any other civil, structural, architectural, or infrastructure works associated with the substation.

The above list is indicative and not exhaustive, and the Geotechnical Investigation Report shall provide recommendations for all permanent structures and facilities forming part of the scope of the project.

2. SCOPE OF INVESTIGATION

The scope of work shall comprise the complete geotechnical investigation for the proposed substation site, including mobilization of all necessary equipment, drilling rigs, testing apparatus, engineering and technical personnel, skilled and unskilled manpower, and all associated resources required for the successful execution of the investigation.

The investigation shall include field exploration, laboratory testing, engineering analysis, interpretation of subsurface conditions, and preparation of a comprehensive Geotechnical Investigation Report. The report shall provide detailed recommendations for the design of foundations for various substation structures, including assessment of allowable bearing capacity, foundation depths, settlement characteristics, and other geotechnical parameters relevant to structural design.

The scope shall cover evaluation of different foundation sizes and loading conditions at varying founding strata for all proposed substation facilities and associated structures. All investigations, testing procedures, analyses, and reporting shall be carried out in accordance with the latest editions and amendments of applicable Indian Standards (IS Codes) and other relevant statutory requirements.

The investigation agency shall familiarize itself with the layout, type, loading requirements, and functional characteristics of the proposed substation structures through consultation with GETCO prior to commencement of the work.

The detailed scope of investigation shall include, but not be limited to, the following:

- Drilling of boreholes to the specified depths and collection of disturbed and undisturbed soil samples.
- Conducting Standard Penetration Tests (SPT) at specified intervals and strata changes.
- Excavation of trial pits wherever required.
- Plate Load Tests (PLT) at designated locations and depths.



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- Collection and chemical analysis of groundwater and soil samples to assess corrosively and suitability for foundation construction.
- Recording of groundwater table and subsurface stratification details.
- Backfilling and proper restoration of boreholes and trial pits upon completion of field investigations.
- Performance of all necessary laboratory tests on soil, rock, and water samples in accordance with relevant IS standards.
- Analysis and interpretation of field and laboratory test results.
- Evaluation of geotechnical design parameters including bearing capacity, settlement characteristics, modulus values, soil classification, and foundation recommendations.
- Preparation and submission of detailed geotechnical reports containing factual data, test results, bore logs, subsurface profiles, engineering analyses, conclusions, and recommendations for the safe and economical design of foundations for all substation structures.

The Geotechnical Investigation Report shall clearly specify the recommended foundation system, allowable bearing pressure, founding level, expected settlements, construction considerations, and any special measures required for the proposed substation development.

The locations of all boreholes, trial pits, and Plate Load Tests (PLTs) shall be finalized and approved by GETCO prior to commencement of the field investigations. The investigation agency shall accurately capture the geographical coordinates (Latitude and Longitude) of each borehole, trial pit, and test location using suitable GPS equipment or equivalent surveying instruments. The recorded coordinates shall be jointly verified and documented with the concerned GETCO field representative, and the same shall form part of the Geotechnical Investigation Report and associated field records.

3. APPLICABLE CODES AND STANDARDS

All field investigations, laboratory testing, analysis, interpretation of results, reporting, and recommendations shall conform to the latest editions, revisions, amendments, and supplements of the applicable Indian Standards (IS), Codes of Practice, and other relevant statutory regulations in force at the time of execution of the work.

The geotechnical investigation agency shall ensure that all procedures, methodologies, workmanship, equipment, sampling techniques, testing practices, and reporting formats comply with the requirements of the relevant standards issued by the Bureau of Indian Standards (BIS). Where a particular aspect of the

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work is not covered by the Indian Standards, internationally accepted engineering practices and standards may be adopted with the prior approval of GETCO.

The following standards are indicative and not exhaustive. The investigation agency shall comply with all other relevant standards applicable to the scope of work, whether specifically listed herein or not.

IS Code	Description
IS 1498	Classification and Identification of Soils for General Engineering Purposes
IS 1888	Method of Load Test on Soils
IS 1892	Code of Practice for Subsurface Investigation for Foundations
IS 2131	Method for Standard Penetration Test (SPT) for Soils
IS 2132	Code of Practice for Thin-Walled Tube Sampling of Soils
IS 2720 (All Parts)	Methods of Test for Soils
IS 2809	Glossary of Terms and Symbols Relating to Soil Engineering
IS 2810	Glossary of Terms and Symbols Relating to Soil Dynamics
IS 4078	Indexing and Storage of Drill Cores
IS 4464	Presentation of Drilling Information and Core Description in Foundation Investigation
IS 4968 (All Parts)	Method for Subsurface Sounding for Soils
IS 5249	Method of Test for Determination of In-situ Dynamic Properties of Soils
IS 5529	Code of Practice for In-situ Permeability Tests
IS 9214	Method for Determination of Modulus of Subgrade Reaction (k-Value) of Soils in the Field
IS 10060	Code of Practice for Subsurface Investigation for Power House Sites

In addition to the above, all applicable standards related to borehole drilling, soil and rock sampling, groundwater investigation, chemical analysis of soil and



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water, plate load testing, geotechnical laboratory testing, and foundation engineering shall be followed wherever relevant.

In the event of any discrepancy or conflict between the requirements of this specification and the provisions of the referenced codes and standards, the requirements of this specification shall prevail. However, where the code requirements are more stringent than those specified herein, the more stringent requirements shall be adopted unless otherwise approved by GETCO.

4. FIELD INVESTIGATION. - SOIL

4.1. BOREHOLE

4.1.1. General

Boreholes shall be drilled at locations approved by GETCO to establish the subsurface profile, determine the engineering characteristics of soil and rock, and obtain representative disturbed and undisturbed samples for laboratory testing and foundation design.

Boreholes of 150 mm diameter shall be drilled in accordance with IS 1892 and other applicable Indian Standards. The minimum depth of exploration shall generally be 10 m below existing ground level or up to refusal, whichever occurs earlier. Refusal shall be deemed to have occurred when a Standard Penetration Test (SPT) value of 100 blows for 300 mm penetration is recorded.

4.1.2. Number of Boreholes.

Generally, the **minimum number** of boreholes shall be as follows:

- For R&M & new Admin Office Building: 2 Nos.
- For Transmission Tower: 1 No. per tower location.
- 33 kV & 66 kV Substation: 2 Nos.
- 132kV & 220kV Substation: 6 Nos. for AIS & 4 Nos. for GIS.
- 400kV & 765kV Substation: 10 Nos. for AIS & 8 Nos. for GIS.

However, the number and depth of boreholes may be increased or reduced, subject to approval of GETCO, considering the plot area, importance of structures, local geological conditions, variation in subsurface strata, and findings obtained during the course of investigation, so as to establish a representative subsurface profile and obtain adequate geotechnical parameters for design.



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4.1.3. Depth of Exploration

The investigation agency shall plan and execute the exploration programme considering the nature of the proposed structures, local geology, past experience in the area, and subsurface conditions encountered during drilling. The depth of exploration may be modified during the investigation, with the approval of GETCO, to ensure that sufficient information is obtained for safe and economical foundation design.

Where low bearing capacity strata, highly compressible soils, expansive soils, loose saturated deposits, liquefiable strata, or other adverse subsurface conditions are encountered, the depth of exploration shall be extended as necessary to establish the characteristics of the underlying competent strata and to evaluate the suitability of shallow or deep foundations.

Where deeper compressible strata are encountered or where the primary investigation indicates that pile foundations may be required, the boreholes shall generally be extended up to 20 m below ground level or up to refusal, whichever occurs earlier.

In areas comprising loose saturated sandy strata, reclaimed land, coastal deposits, alluvial formations, or sites identified as potentially susceptible to liquefaction based on geological conditions, seismic considerations, or preliminary investigations, the depth of exploration shall generally be extended up to 30 m below ground level or deeper, if required, based on engineering judgment and approval of GETCO, to adequately assess liquefaction susceptibility and establish the engineering properties of the underlying strata.

The final depth of exploration shall be governed by the subsurface conditions encountered, geological setting, proposed foundation system, and foundation design requirements, and may be further increased wherever considered necessary by GETCO.

4.1.4. Rock Exploration

Where refusal is encountered during boring, the borehole shall be advanced by chiselling or other suitable means to confirm the presence of rock. Upon confirmation of rock strata, rotary core drilling shall be carried out and representative rock cores shall be collected. Coring shall continue for a minimum depth of 3 m into sound rock or until a core recovery of not less than 95% is achieved, whichever requirement governs.



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4.1.5. Drilling Methodology

Boreholes may be advanced by auger boring, shell and auger boring, rotary drilling, or any other suitable method appropriate to the prevailing ground conditions and in accordance with the relevant Indian Standards.

Suitable casing shall be provided wherever necessary to prevent collapse of the borehole and to minimize disturbance to the surrounding soil. Wash boring shall not be adopted.

4.1.6. Backfilling and Restoration

Upon completion of drilling, testing, and sampling, all boreholes shall be properly backfilled and the site restored to its original condition or as directed by GETCO.

4.2. BOREHOLE LOGGING AND REPORTING

Detailed borehole logs shall be prepared immediately upon completion of drilling and submitted to the Engineer-in-Charge. The logs shall include soil and rock descriptions, sampling details, SPT results, groundwater observations, core recovery, RQD values, and any other relevant field observations.

All field records, borehole logs, test data, and observations shall be jointly verified at site by the GETCO representative and shall form part of the final Geotechnical Investigation Report.

In addition to the above requirements, the investigation agency shall comply with the latest editions, revisions, and amendments of all relevant BIS Codes of Practice applicable to geotechnical investigations

4.3. STANDARD PENETRATION TESTS AND SAMPLING

Standard Penetration Tests (SPT) shall be conducted in accordance with IS 2131 to determine the subsurface stratification and engineering properties of soil. The tests shall be carried out at intervals of approximately 1.5 m, at every change of strata, at depths where undisturbed samples cannot be obtained, and at such other depths as directed by GETCO.

The starting depth of SPT shall be staggered in alternate boreholes to obtain a better representation of the subsurface profile. The tests shall commence from 0.5 m below ground level and continue up to the termination depth of the borehole.



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Disturbed samples recovered from the split spoon sampler shall be collected, visually classified, properly labelled, preserved, and transported to the laboratory for identification and testing.

The SPT value (N-value) shall be reported in accordance with IS 2131. Refusal shall be deemed to have occurred when 100 blows are required for 300 mm penetration, and the corresponding penetration and blow count shall be recorded.

4.4. GROUND WATER

4.4.1. Observations

The groundwater table, if encountered, shall be measured and recorded in each borehole in accordance with IS 6935 and other relevant Indian Standards. Groundwater observations shall be made after stabilization of the water level and the measured depth below ground level shall be reported.

Where the investigations are carried out during non-monsoon periods, the highest seasonal groundwater level shall also be assessed from reliable local sources and included in the Geotechnical Investigation Report.

The investigation agency shall record groundwater conditions and their likely effect on foundation construction, dewatering requirements, and long-term performance of structures.

4.4.2. Sub-soil Water Sampling

Representative groundwater samples shall be collected from boreholes immediately upon first encounter of groundwater and prior to the addition of water, drilling mud, or other contaminants. Where groundwater has been affected by drilling operations or surface runoff, the borehole shall be dewatered and allowed to stabilize before collecting the sample.

Samples shall be collected, preserved, labelled, and transported in clean airtight containers in accordance with relevant IS Codes. Sufficient quantity of water samples shall be obtained for chemical analysis.

The chemical analysis shall include, but not be limited to, determination of pH, chlorides, sulphates, carbonates, bicarbonates, nitrates, organic matter, suspended solids, and other constituents likely to affect the durability of concrete, steel, and foundation performance.



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Where required by the applicable test methods, suitable preservatives may be added to the samples in accordance with relevant IS Codes.

4.5. SAMPLING

4.5.1. General

Representative disturbed and undisturbed soil samples shall be collected from boreholes and trial pits to establish the soil profile and to determine the physical, engineering, and chemical properties of the soil. Sampling procedures and equipment shall conform to the requirements of IS 1892, IS 2132 and other relevant Indian Standards.

All samples shall be visually classified in accordance with IS 1498 and shall be properly identified with borehole or trial pit number, sample number, depth of collection, and date of sampling. Undisturbed samples shall be suitably sealed, preserved, packed, and transported to the laboratory to prevent loss of moisture and disturbance.

Where an undisturbed sample cannot be obtained at the specified depth, the borehole shall be advanced and a Standard Penetration Test (SPT) shall be conducted. The reasons for non-recovery of undisturbed samples shall be recorded in the bore logs.

4.5.2. Disturbed Samples

Disturbed samples shall be collected at regular intervals and at every change of strata for field identification and laboratory testing. Bulk samples, wherever required, shall also be collected for evaluating the suitability of soil for use as fill material.

4.5.3. Undisturbed Samples

Undisturbed samples shall be collected at intervals of approximately 3 m and at every significant change of strata, or as directed by GETCO. The starting depth of undisturbed sampling shall be staggered in alternate boreholes to obtain a representative assessment of the subsurface profile.

Undisturbed samples shall preferably be obtained using thin-walled tube samplers. Where conventional sampling is not feasible, suitable sampling techniques, including piston samplers or compressed air samplers, may be adopted in accordance with the relevant Indian Standards.



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In soils where undisturbed sampling is impracticable, or where the SPT value exceeds 50, Standard Penetration Tests may be substituted for undisturbed sampling with the approval of GETCO.

4.6. TRIAL PITS

Trial pits shall be excavated at locations approved by GETCO to facilitate visual examination of soil strata, collection of representative samples, and conduct of in-situ tests. Unless otherwise specified, the trial pits shall be approximately 2 m × 2 m in plan and shall extend up to a depth of 3 m below ground level or as directed by GETCO.

The minimum number of trial pits shall be:

- EHV Substation: 5 Nos.
- 66 kV Substation: 2 Nos.

Adequate safety measures, including shoring, dewatering, barricading, and other protective arrangements, shall be provided wherever necessary in accordance with IS 4453. Precautions shall be taken to prevent collapse of pit walls and ingress of surface water.

Visual examination of the exposed strata shall be carried out and recorded, including soil type, colour, consistency, thickness of strata, groundwater conditions, and other relevant observations.

Undisturbed soil samples shall be collected at approximately 1 m intervals and at the termination depth of the pit. Where undisturbed sampling is not feasible, suitable in-situ tests, including field density tests, shall be carried out in accordance with relevant Indian Standards.

Upon completion of sampling and testing, the trial pits shall be properly backfilled using excavated material and restored to original condition as directed by GETCO.

4.7. PLATE LOAD TESTS (PLT)

Plate Load Tests (PLT) shall be conducted in accordance with IS 1888 to determine the allowable bearing capacity, load-settlement characteristics, and modulus of subgrade reaction of the soil. Determination of the modulus of subgrade reaction (K-value) shall conform to IS 9214.



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The number, location, and depth of Plate Load Tests shall be finalized by GETCO based on the proposed foundation locations and subsurface conditions. Unless otherwise specified, tests shall generally be conducted at the proposed foundation level below finished ground level. Typical test locations may include:

- GIS Building location (765/400/220/66 kV, as applicable)
- Control Room-cum-Administrative Building location
- Transformer foundation location (500 MVA/160 MVA, as applicable)
- Store Building location
- Security Cabin location
- Colony area

The size of the test pit shall not be less than five times the test plate dimension. Excavation, visual examination, groundwater observations, and sampling shall be carried out in the same manner as specified for trial pits. Representative undisturbed soil samples shall be collected from suitable depths for laboratory testing.

Unless otherwise approved by GETCO, the reaction method of loading shall be adopted. The test equipment, loading procedure, observations, interpretation of results, and reporting shall conform to the requirements of IS 1888 and IS 9214.

Loading shall be continued until the specified settlement or failure criteria prescribed in the relevant standards are reached. Upon completion of testing, the pits shall be properly backfilled and restored to their original condition using excavated material or as directed by GETCO.

In case of gravelly, bouldery, or rocky strata, the testing methodology and interpretation of results shall conform to the relevant applicable Indian Standards and accepted engineering practice.

4.8. FIELD CALIFORNIA BEARING RATIO (CBR) TEST

Field California Bearing Ratio (CBR) tests shall be conducted, wherever required, for the design of roads and pavements. The location and depth of testing shall be as specified in the drawings or as directed by GETCO. The equipment, test procedure, observations, and reporting of results shall conform to IS 2720 (Part 31) and other relevant Indian Standards.

4.9. ADDITIONAL INVESTIGATIONS



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The scope and quantities specified herein represent the minimum requirements for geotechnical investigation. Depending upon the site conditions encountered during execution, GETCO may direct additional boreholes, trial pits, field tests, laboratory tests, or increased depths of exploration. Such supplementary investigations shall be carried out in accordance with the relevant Indian Standards and accepted engineering practices. The decision of GETCO in this regard shall be final and binding on the Investigation Agency.

5. FIELD INVESTIGATION. – ROCK

5.1. GENERAL

Field investigation in rock shall be carried out wherever rock strata are encountered or anticipated, with the objective of establishing the depth, nature, extent, and engineering characteristics of the rock mass for the design and construction of foundations and other civil structures. The investigation shall include rock core drilling, collection of representative rock samples, determination of core recovery and Rock Quality Designation (RQD), groundwater observations, field tests, laboratory testing, and preparation of detailed bore logs and reports.

All investigations shall be carried out in accordance with the applicable Indian Standards, including their latest revisions and amendments, and in accordance with accepted engineering practices.

5.2. ROCK CORE DRILLING

Where rock strata are encountered or anticipated, rock exploration shall be carried out by rotary diamond core drilling in accordance with IS 6926 and other relevant Indian Standards. The drilling shall be continued to establish the depth, nature, and engineering characteristics of the rock mass.

Rock coring shall generally be carried out using double tube core barrels of BX or NX size or equivalent, so as to obtain maximum core recovery and representative samples. The depth of rock drilling shall normally extend to a minimum of 3 m into sound rock or until a minimum core recovery of 95% is achieved, whichever criterion governs the termination of drilling. The depth of drilling may be increased, if required, based on subsurface conditions or as directed by GETCO.

During drilling operations, the investigation agency shall record the depth of rock encountered, groundwater conditions, rate of core recovery, and any significant variations in lithology, weathering, fractures, cavities, seams, or other geological



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features. Any appreciable loss of drilling fluid or other unusual observations encountered during drilling shall also be recorded.

All recovered cores shall be carefully preserved, properly labelled, and stored in sequential order in core boxes for detailed examination, logging, photography, and laboratory testing.

The drilling equipment, core barrels, drilling procedures, and methods of preservation and handling of rock cores shall conform to the requirements of relevant Indian Standards and accepted engineering practices.

5.3. ROCK CORE LOGGING AND CORE RECOVERY

All recovered rock cores shall be systematically examined and logged immediately after drilling in accordance with IS 4464 and other relevant Indian Standards. Borehole logs shall include details of rock type, colour, texture, degree of weathering, jointing, fractures, cavities, seams, and other significant geological features encountered during drilling.

Core recovery shall be determined for each core run and expressed as a percentage of the drilled length. The investigation agency shall also determine and record the Rock Quality Designation (RQD) and other relevant rock mass characteristics for each borehole. Wherever required, Rock Mass Rating (RMR) or other suitable rock mass classification systems may be adopted.

The location and depth of core losses, fractured zones, weak seams, and any unusual geological conditions shall be clearly identified and recorded. Representative photographs of rock cores shall be taken and included in the Geotechnical Investigation Report.

All bore logs and core records shall be jointly verified at site by the GETCO representative and shall form part of the final Geotechnical Investigation Report.

5.4. ROCK SAMPLING

Representative rock core samples obtained during drilling shall be preserved, labelled, and stored systematically in suitable core boxes in the sequence of recovery for identification, logging, photography, and laboratory testing.

The rock cores shall be examined to determine lithology, degree of weathering, discontinuities, fractures, and other relevant geological features. Particular



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attention shall be paid to zones of weak, fractured, weathered, or sheared rock, and such features shall be clearly identified and recorded in the bore logs.

Representative samples from each significant rock stratum encountered shall be selected for laboratory testing. Where required, additional samples shall be collected from weak seams, fractured zones, or other critical locations to establish the engineering properties of the rock mass.

All samples shall be properly protected during handling, transportation, and storage to prevent damage and deterioration. The methods of sampling, preservation, and handling shall conform to the requirements of relevant Indian Standards and accepted engineering practices.

5.5. GROUNDWATER OBSERVATIONS

Groundwater conditions encountered during rock drilling shall be carefully observed and recorded. The depth of groundwater table, seepage conditions, water-bearing fractures, cavities, zones of water loss, and any other hydrogeological features encountered during drilling shall be noted and incorporated in the bore logs.

Any significant loss of drilling fluid, artesian conditions, or inflow of groundwater indicating the presence of joints, fissures, solution channels, or permeable strata shall be recorded. Where required, representative groundwater samples shall be collected and analysed in accordance with the provisions specified **under Clause 4.4.**

The observations shall form part of the Geotechnical Investigation Report and shall be considered while recommending foundation type, dewatering requirements, and other construction measures.

5.6. FIELD TESTS AND MEASUREMENTS

Where considered necessary based on subsurface conditions or as directed by GETCO, suitable in-situ tests shall be carried out to evaluate the engineering properties of the rock mass and to establish parameters required for foundation design.

Such investigations may include permeability tests, plate load tests on rock, pressure meter tests, seismic refraction surveys, geophysical investigations, or any other specialized tests considered necessary for assessing the strength, deformability, and hydraulic characteristics of the rock mass.



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The selection of test locations, test procedures, interpretation of results, and reporting shall conform to the relevant Indian Standards and accepted engineering practices. The results of such tests shall form part of the Geotechnical Investigation Report and shall be considered while recommending the type and design parameters of foundations.

5.7. BOREHOLE LOGGING AND REPORTING

Detailed borehole logs and rock core records shall be prepared immediately upon completion of drilling in accordance with IS 4464 and other relevant Indian Standards. The records shall include, but not be limited to, depth of boreholes, lithological description, degree of weathering, jointing, fractures, cavities, groundwater conditions, core recovery, Rock Quality Designation (RQD), and other significant geological features encountered during drilling.

Representative photographs of the rock cores shall be taken and included in the Geotechnical Investigation Report. Results of field and laboratory tests, wherever carried out, shall also be incorporated in the report.

All bore logs, core records, test data, and field observations shall be jointly verified at site by the GETCO representative and shall form part of the final Geotechnical Investigation Report.

In addition to the above requirements, the investigation agency shall comply with the latest editions, revisions, and amendments of all applicable BIS Codes and accepted engineering practices relating to rock investigations.

5.8. ADDITIONAL INVESTIGATIONS

The scope and quantities specified herein represent the minimum requirements for rock investigations. Depending upon the geological conditions encountered during execution, GETCO may direct additional boreholes, increased depths of exploration, supplementary field tests, laboratory tests, geophysical investigations, or any other specialized studies considered necessary for establishing the engineering characteristics of the rock mass.

Such supplementary investigations shall be carried out in accordance with the relevant Indian Standards and accepted engineering practices. The decision of GETCO regarding the extent and nature of additional investigations shall be final and binding on the Investigation Agency.



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6. LABORATORY TESTING

Laboratory testing shall be carried out progressively during the field investigation programme to facilitate interpretation of subsurface conditions and optimization of subsequent exploration activities. The extent and frequency of testing shall be sufficient to establish the engineering characteristics of the subsurface strata and to develop reliable design parameters for foundations and other civil structures.

All laboratory tests shall be performed by qualified technical personnel in accordance with the latest editions and amendments of the applicable Indian Standards.

The laboratory testing programme shall include, but not be limited to, the following:

6.1. SOIL TESTS

- Visual and engineering classification of soils.
- Natural moisture content.
- Bulk density and dry density.
- Specific gravity.
- Grain size distribution.
- Atterberg limits (Liquid Limit, Plastic Limit and Plasticity Index).
- Shrinkage Limit.
- Free Swell Index.
- Swell Pressure.
- California Bearing Ratio (CBR), wherever applicable.
- Relative density of cohesion less soils, wherever required.
- Permeability tests, wherever required.
- Shear strength tests.
- Consolidation tests and compressibility characteristics.
- Triaxial compression tests (UU, CU or CD), as applicable.

Any other tests required for evaluating settlement, strength and deformation characteristics of soil.

6.2. CHEMICAL TESTS

Chemical analysis of representative soil and groundwater samples shall be carried out to determine:

- pH value.



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- Chlorides.
- Sulphates.
- Carbonates and bicarbonates.
- Nitrates.
- Organic matter and organic content.
- Dissolved salts and suspended solids.

Any other deleterious constituents likely to affect concrete, steel, or long-term foundation performance.

6.3. ROCK TESTS (Where Applicable)

Representative rock samples shall be tested, wherever rock strata are encountered, for determination of:

- Rock Quality Designation (RQD).
- Rock Mass Rating (RMR).
- Unconfined Compressive Strength (UCS/UCC).
- Point Load Index.
- Specific Gravity.
- Water Absorption.
- Porosity, wherever required.
- Slake Durability Index, wherever required.

Any other tests necessary for characterization of rock mass and foundation design.

The type, number, and frequency of laboratory tests may be modified or supplemented based on subsurface conditions encountered during investigation and as directed by GETCO.

7. TEST RESULTS AND REPORTING

The Investigation Agency shall submit detailed Geotechnical Investigation Reports in duplicate, duly signed by the authorized representative of the Investigation Agency and jointly verified by the GETCO site representative. The report shall present the results of field and laboratory investigations, interpretation of subsurface conditions, engineering analyses, and recommendations for foundation design.

The report shall include, but not be limited to, the following:



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7.1. GENERAL INFORMATION

- Site description and geological setting.
- Scope and details of the investigation programme.
- Dates of field and laboratory investigations.
- Applicable codes and standards.

7.2. LAYOUT AND EXPLORATION DETAILS

- Layout plan showing the locations of boreholes, trial pits, plate load tests, electrical resistivity tests, and other investigations with Latitude and Longitude coordinates.
- Depth and identification details of each borehole and trial pit.

7.3. BOREHOLE LOGS AND SUBSURFACE PROFILES

- Detailed borehole logs and trial pit records.
- Soil and rock stratification profiles.
- Groundwater observations and seasonal groundwater levels.
- Rock core logs, core recovery, RQD values, and other geological observations.

7.4. FIELD AND LABORATORY TEST RESULTS

- Results of all field investigations and in-situ tests.
- Results of laboratory tests on soil, rock, and groundwater samples.
- Test data presented both stratum-wise and in consolidated tabular form.
- Relevant charts, graphs, photographs, and soil and rock profiles.
- Core photographs and rock core logs.

7.5. ENGINEERING ANALYSES

- Determination of engineering properties and design parameters.
- Bearing capacity calculations as per attached 'ANNEXURE-A'
- Settlement analysis.
- Pile capacity calculations, wherever applicable as per attached 'ANNEXURE-B'
- Evaluation of liquefaction susceptibility, wherever required.
- Interpretation of field and laboratory test results.

Sample tabular formats for allowable bearing capacity and pile capacity may be furnished as Annexures for guidance. Additional tables, charts, and



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calculation sheets necessary for interpretation of results shall also be included.

7.6. SUPPORTING DOCUMENTS

The report shall include all relevant field records, bore logs, laboratory test certificates, calculations, charts, diagrams, photographs, and other supporting documents necessary for proper interpretation of the investigation results.

All test results and records shall bear the signatures of the Investigation Agency and the GETCO site representative and shall form part of the final Geotechnical Investigation Report.

8. RECOMMENDATIONS

The Geotechnical Investigation Report shall provide clear, project-specific recommendations for the design and construction of all proposed structures. The recommendations shall be supported by field observations, laboratory test results, engineering analyses, and accepted geotechnical practices.

The recommendations shall include, but not be limited to, the following:

8.1. Site Assessment

- Geological and geotechnical characteristics of the site.
- Groundwater conditions and seasonal fluctuations.
- Historical information and experience from nearby structures, where available.
- Identification of any problematic strata or adverse geological features.

8.2. Foundation Recommendations

Recommendations regarding the type of foundation, founding depth, and design parameters for all proposed structures, including but not limited to:

- GIS Building.
- Control Room-cum-Administrative Building.
- Transformer Foundations.
- Switchyard structures and equipment foundations.
- Store Buildings and Security Cabins.
- Boundary walls and retaining structures.
- Oil sump, fire wall, DG foundation, pipe supports.
- Roads, drains, cable trenches, street light foundations, plinth protection, paver blocks, and other ancillary structures.



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Where pile foundations are recommended, the report shall include:

- Type of pile.
- Diameter and length.
- Safe load capacity and pile group efficiency as per Annexure-B.
- Liner requirements, depth of fixity, and scour considerations.
- Comparison of alternative pile systems, wherever applicable.

8.3. Bearing Capacity and Settlement

- Allowable bearing pressures at various depths and foundation sizes as per Annexure-A, supported by calculations.
- Net Safe Bearing Capacity based on a minimum factor of safety of 2.5.
- Estimated total and differential settlements and permissible settlement limits.
- Coefficient of subgrade reaction (K-value).
- Earth pressure coefficients for retaining and underground structures.

8.4. Soil Behaviour and Ground Improvement

- Swelling and shrinkage characteristics of soil.
- Liquefaction susceptibility assessment in accordance with the latest provisions of IS 1893 and other relevant standards.
- Recommendations for ground improvement and soil stabilization measures, wherever required.
- Recommendations for treatment or replacement of expansive soils, if encountered.

8.5. Construction Considerations

- Anticipated difficulties during excavation and foundation construction.
- Stability of excavations and recommended side slopes.
- Dewatering requirements and groundwater control measures.
- Temporary works and other precautions necessary during construction

8.6. Durability Considerations

Based on the chemical characteristics of soil and groundwater, recommendations shall be provided regarding:

- Grade of concrete.
- Type of cement.
- Protective coatings and corrosion protection measures.
- Sulphate resistant measures, wherever required



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- Any special requirements necessary to ensure durability of concrete and steel.

8.7. Rock Foundation Recommendations

Where foundations are to be placed on rock strata, the report shall include recommendations regarding:

- Founding criteria and design parameters of the rock mass.
- Rock Quality Designation (RQD) and Rock Mass Rating (RMR), where applicable.
- Rock anchoring, rock bolting, and grouting requirements.
- Grouting material and anchorage details, wherever applicable.
- Measures for treatment of weak, fractured, or weathered rock zones.

8.8. Additional Investigations

Recommendations regarding any supplementary investigations considered necessary for final foundation design or for resolving uncertainties encountered during the course of investigation.

8.9. Seismic Considerations

Recommendations shall be provided regarding the seismic suitability of the founding strata in accordance with the latest provisions of IS 1893 and other applicable standards. Special measures, if any, required for mitigation of liquefaction, differential settlement, or instability under seismic loading shall be clearly indicated.



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ANNEXURE-A

SUMMARY OF ALLOWABLE BEARING PRESSURE BASED ON SHEAR AND SETTELEMENT CRITERION.

Depth of fdn.	Length of fdn.	Width of fdn.	Safe bearing capacities calculated based on shear criteria (Clearly Specify)			Safe bearing pressure calculated based on settlement criteria		Allowable bearing pressure	Allowable bearing pressure
			General Shear	Local shear	Intermediate shear	For 25mm settlement	For 40mm settlement	For 25mm settlement	For 40mm settlement
Meter	Meter	Meter	T/Sq.MT			T/Sq.MT	T/Sq.MT	T/Sq.MT	T/Sq.MT
0.5	1.3	1.3							
0.5	1.5	1.5							
0.5	1.7	1.7							
0.5	2.0	2.0							
1.0	1.3	1.3							
1.0	1.5	1.5							
1.0	1.7	1.7							
1.0	2.0	2.0							
1.5	1.3	1.3							
1.5	1.5	1.5							
1.5	1.7	1.7							
1.5	2.0	2.0							
2.0	1.5	1.5							
2.0	1.8	1.8							
2.0	2.0	2.0							
2.0	2.5	2.5							
2.5	1.5	1.5							
2.5	1.7	1.7							
2.5	2.0	2.0							
2.5	2.5	2.5							
3.0	3.0	3.0							
3.0	3.0	4.5							
3.0	5.0	5.0							
3.0	7.5	7.5							
3.0	8.0	8.0							
3.5	5.0	7.0							
3.5	7.5	7.5							
3.5	8.0	8.0							
3.5	9.0	9.0							
3.5	10.0	10.0							
SIZE OF FOUNDATION REQUIRED BY DESIGNER AS PER SITE REQUIREMENT.									



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Table -1-For Bored cast in situ pile

Type of pile	BH. No.	Diameter	Pile Cut-off Level	Effective pile Length below E.G.L.	Length of pile from E.G.L.	Pile Capacity(T)			Depth of fixity(Fixed & Free)
						Vertical	Uplift	Lateral (Fixed & Free)	
		Meter	Meter	Meter	Meter	T	T	T	Meter
Bored cast in situ pile	1 to 2/6 /10	0.30			Starting from 1.0 mtr, i.e. 1.0 mtr, 2.0 mtr, 3.0 mtr upto borehole depth(At every meter)				
		0.40							
		0.45							
		0.50							
		0.60							
		0.75							

Table -2- For Under reamed pile (with single bulb)

Type of pile	BH. No.	Diameter	Pile Cut-off Level	Effective pile Length below E.G.L.	Length of pile from E.G.L.	Pile Capacity(T)			Depth of fixity(Fixed & Free)
						Vertical	Uplift	Lateral (Fixed & Free)	
		Meter	Meter	Meter	Meter	T	T	T	Meter
Under reamed pile (with single bulb)	1 to 2/6 /10	0.30			Starting from 1.0 mtr, i.e. 1.0 mtr, 2.0 mtr, 3.0 mtr upto borehole depth(At every meter)				
		0.40							
		0.45							
		0.50							
		0.60							
		0.75							



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Table -3- For Under reamed pile (with double bulb)

Type of pile	BH. No.	Diameter	Pile Cut-off Level	Effective pile Length below E.G.L.	Length of pile from E.G.L.	Pile Capacity(T)			Depth of fixity(Fixed & Free)
						Vertical	Uplift	Lateral (Fixed & Free)	
		Meter	Meter	Meter	Meter	T	T	T	Meter
Under reamed pile (with double bulb)	1 to 2/6 /10	0.30			Starting from				
		0.40			1.0 mtr, i.e.				
		0.45			1.0 mtr,				
		0.50			2.0 mtr,				
		0.60			3.0 mtr				
		0.75			 upto borehole depth(At every meter)				

Frequency of Collecting UDS & Performing SPT (Limited upto Overburden)

The frequency shows is indicative, actual sampling shall depend on soil type & feasibility.

Depth Below EGL	1.00	2.00	3.00	4.00	5.00	6.00	Every meter up to depth of Termination of Bore Hole
BH-1	UDS-a	SPT	UDS-b	SPT	UDS-b	SPT	
BH-2	SPT	UDS-b	SPT	UDS-b	SPT	UDS-a	
BH-3	UDS-a	SPT	UDS-b	SPT	UDS-b	SPT	
BH-4	SPT	UDS-b	SPT	UDS-b	SPT	UDS-a	
So on as per GETCO Requirement							

Lab test requirement for Overburden/Soil Strata:

Sample	Lab test to be Conducted
SPT	SA:%Gravel, % Coarse Sand,% Medium Sand, % Fine sand and %(Silt+ clay) Liquid Limit, Plastic Limit, Field water content
UDS-a	Field Bulk unit weight, Field water content SA:%Gravel, % Coarse Sand,% Medium Sand, % Fine sand and %(Silt+ clay) Liquid Limit, Plastic Limit, Shear Parameter:C & Phi
UDS-b	Field Bulk unit weight, Field water content SA & Hydrometer: %Gravel, % Coarse Sand,% Medium Sand, % Fine sand and %(Silt+clay) Liquid Limit, Plastic Limit, shrinkage limit, Shear Parameter:C & Phi Consolidation test:Cc, Pc, Cr, Cv, Mv(Range 2 to 4 & 4 to 8 Kg/cm2) Unconfined Com Strength(UCS) in CL, ML, CI, MT, CH, MH Soil type



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SA=Sieve Analysis,

Test to be conducted for Shear Parameters on Saturated sample:(Provide stress-strain curve)

For Soil type- CL, CI, CH, MI, MH:TUU

For Soil type- SW, SP, SM, SC, ML:DST

All Field & Lab. Tests shall be as per IS Code practice-Publication SP-36 pt-1 and SP-36 pt-2.

(E1) General Conditions:

1. The contractors shall at their own expense make all necessary provisions for housing, water supply, and sanitary arrangements for their employees as well as for works and shall pay direct to the authorities concerned, all rates and taxes.
2. The contractor shall make their own arrangements for the necessary approach, road, for transport of their materials and be responsible for the compensation on account of damage to crop etc. & shall till completion of work.
3. All the royalty charges, Octroi and other duties & all taxes will be paid by the contractor and no extra be claimed on this account.
4. Godowns or sheds hired or constructed for storing of controlled materials and more particularly of cement shall be such as would prevent the materials from getting damaged in any way.
5. It will be absolutely incumbent on the contractors to have on the site of work only such of the materials as have been duly passed by the Engineer-in-charge. Materials that have been rejected must on no account be allowed to remain on the site, and in spite written order to do so, any such rejected material is on the site beyond a period of 48 hours' notice, the Engineer-in-charge shall have the right to remove it, at the risk and cost of the contractors and even to destroy it.
6. It must be distinctly understood that conditions of contract and of claims in respect of extra work, will not be allowed unless the works to which they relate is clearly without the spirit and meaning of the specifications or unless such works are ordered in writing by the Engineer-in-charge and claimed for in specified manner.
7. On completion of the work, the site shall be cleared by the contractor within the stipulated period, and ground brought to original state and they shall not be entitled for any extra claim on this account.
8. General Specifications of the relevant Indian standard specification shall also apply.
9. Damage to work clause:
The works whether fully constructed or not and all materials, machinery plant tools, temporary buildings and other things connected there shall be at the risk and in the sole charge of the contractor, until the works have been delivered, completed to the satisfaction of the Engineer-in – charge and certificate from him to the effect is obtained. Until such delivery, the contractor shall at their own cost, take all the precautions reasonably necessary, to keep all the aforesaid works, materials, machinery, plant tools. Temporary buildings and other things connected with the works, free from any loss or damage and in the event of the same or any part thereof being lost or damaged, shall forthwith within the possible speed, reinstate and made good such loss or damage at contractor's own cost.
10. Any components or part of the work shall not be given to any sub-contractor without approval of the competent authority of the Corporation. The whole responsibility of the execution of the work, as per the terms and conditions of the contract, will entirely rest of the main contractor. The main contractor shall always keep his responsible representative, preferably a technical hand, on work site with powers to sign M.R.s. and take necessary decision and implement the instructions issued in the interest of efficient execution of the works.
11. The Engineer-in-charge will fix the hours of work, and no work shall be executed beyond that period, during night time or in absence of the Engineer-in-charge of his authorized agent. The box measures shall be filled only in the presence of the engineer-in-charge or his authorized agent.
12. Contractor will be asked to present the sample of materials, and the approved samples will be preserved at the site of work, and no charge in the approved sample will be allowed, without the written permission of the Engineer-in-charge.
13. In any work is not executed according to the specifications, and the directions of the Engineer-in - charge, the same will be rejected, and the contractor has re execute the same without any financial implication to the Corporation.



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14. Contractor will have to communicate the name of his authorized agent, who shall be present on the works, and shall be authorized to sign the material requisitions, receive instruction given verbally or on the order book, on behalf of the contractor.
 15. The contractor will have to sign the conditions of contract, and execute the agreements, send the list of previous works executed, solvency certificate and pay up the security deposits, failing to that, the tender will be rejected and earnest money deposited will be forfeited. The value of the stamp paper and stamp duty charges shall be borne by the contractor.
 16. Tenderer must return the form of tender, with the specifications and the schedule of quantities, and rates and other schedules only signed on each page. Any tender not bearing signature of the tenderer on all the documents accompanying the tender is liable to be rejected.
 17. Before submitting his tender, unit rates, which shall be for the finished work complete, including charges involved in testing, maintenance for a period of 12 months, the tenderer shall closely examine the specifications and carefully study the drawings and all documents, which form a part of the contract, to be entered into by the accepted tenderer.
 18. The Tenderer must visit the site of works and see for himself the site conditions regarding water, labour conditions rates approach road during all seasons and all other matters affecting the works before submitting the tender.
 19. The submission of tender by a contractor implies that, he has read these instructions, the conditions of contract etc. and has made himself aware of the scope and specifications of the work to be done, and of conditions and rates at which stores will be issued to him, and local conditions and other factors bearing on the executions of the work. The Corporation will not therefore, after acceptance contractor's rate, pay any extra charge for lead or for any other reason. In case the contractor is found later on, to have misjudged the site conditions.
 20. The tender document shall be written legibly and free from erasure, over writing or conversions of figures. Correction where unavoidable, shall be made by crossing out, initialing, dating and rewriting.
 21. The Corporation or its officers, who accept tender, shall have the right of rejecting all or any of the tenders, and will not be found to accept the lowest offer not to assign any reasons whatever, for the rejection of any tender or all tenders.
 22. The tender notice to tenderers shall form a part of the contract.
 23. The entire work is to be completed, within the stipulated time limit from the date of issue of letter for commencement of the work by field office. The contractor will not be eligible for any extra for the idle period of works, or waiting period that may be required to suit other consideration, and no claims for compensations on account of such, will be considered. However in case of delay due to circumstances beyond the control of contractors, either in date of commencement or due to, waiting during construction, extension in time may be considered for completion of works, without any penalty to the Corporation.
 24. The contractor shall keep full time qualified Civil Engineers at the site, who shall be fully authorized to receive and comply with such instructions, as given by the Executive engineer. The name of such Engineer with his qualifications and experience shall be intimated by the contractor.
- The Executive Engineer shall have the right to demand the removal of any technical personnel, skilled or unskilled workmen, who in his opinion are considered to cause bad workmanship in the execution of works or to cause indiscipline.
25. The department reserves the right to make any change in the design and the plans of the works and the contractor shall be bound to carry out them at the rates tendered. No claim or compensation will be allowed on this account.
 26. Bills shall be submitted by the contractor monthly on or before the date fixed by the Executive Engineer, for all works executed in the previous months.
 27. Should this tender be accepted I /We hereby agree to abide by and fulfill all the terms and provisions of the "Tender & contract for works" as applicable, and in default thereof to forfeit and pay to the Corporation the sums of money due.
 28. The contractor shall keep instruction book on site, for taking site instruction from time to time. This book shall be made available on site whenever asked for.



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29. The contractor shall pay wage to the workers, as per minimum wages act as declared by the Government time to time.
30. The contractor shall follow all labour laws of Govt.
31. Contractor shall arrange for testing of material to be used in the work or finished product, if desired by the Executive Engineer. The provision shall be made in the unit rate quoted for this.
32. The full value of the "Earnest Money Deposit" paid herewith, shall be forfeited to the Corporation, if the contractor fails to deposit the full amount of specified security deposit, within stipulated time.

(E2) Use of Materials:

- I. The contractor shall have to use the best quality of materials in the work, as per the specifications and relevant I.S. codes. In case Corporation desires to carry out any field test/laboratory test for any materials required for the work, the contractor shall arrange for the same at his own cost.
Further, for any finished works such as masonry, plastering, cube testing for all important concreting work etc., if any testing is required same shall be arranged by the contractor at his own cost. The contractor shall have to maintain the regular records for such testing and shall submit along with each R.A. bills.
- II. No collection of materials shall be made before it is go t approved from the Engineer-in-charge.
- III. Materials, if and when rejected by the Engineer-in-charge shall be immediately removed from site of work.
- IV. All installations pertaining to water supply and fixtures thereof as well as drainage lines and sanitary fittings shall be deemed to be completed only after giving satisfactory tests by the contractor.
- V. Approval to the samples of various materials given by the EIC shall not absolve the contractor from the responsibility of replacing defective material brought on site or materials used in the work found defective at a later date. The contractor shall have no claim to any payment or compensation whatsoever on account of any such material being rejected by E.I.C.
- VI. Approval to any of the executed item for the work does not in any way relieve the contractor of his responsibility for the correctness, soundness and strength of the structure as per the drawing and specification.
- VII. **"Contractor has to bring the Cement, Reinforcement steel, Structural steel from approved brand list published on GETCO's website only"**.



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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 _____ Month 2025. I/We Having Registered Office _____ (herein after called "THE CONTRACTOR" which expression shall mean and includes my /our heirs, executors, administrators and legal representatives, successors and permitted assigns) do hereby binds myself/ourselves and also our company/firms after having the power to bind by this promise and undertaking in favor of the Gujarat Energy Transmission Corporation Limited (GETCO), Palanpur a State Transmission Utility under The Electricity Act, 2003 having its registered office at Sardar Patel Vidyut Bhavan, Race course, Mehsana.(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. _____ made between _____ and **S.E., GETCO, Palanpur** 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: - _____ Rupees and Paise only) 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 _____ for issued by the GETCO after having observing necessary formalities, the details of which is described in the order :- _____, 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.



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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:

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

Sr. No	Amount of Contract in Rs.	Penalty amount
1	Up to 1 Lac	Rs.5,000/-
2	Above1 Lac to 10 Lacs	Rs.40,000/-
3	10 to 100 Lacs	Rs.1,00,000/-
4	100 Lacs	1.0 % of contract value

- 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



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Indemnity Bond.

- h. This Safety cum Indemnity Bond shall continue and hold good until it is released by the GETCO in Writing on the Contractor's application after the Contractor has discharged all his obligations under the order mentioned hereinabove and submitted a "NO DEMAND CERTIFICATE" from the GETCO under the said order. The Safety cum Indemnity Bond shall be valid for a CONTRACT PERIOD and renewable thereof (Claim Period).
- i. This Safety cum Indemnity Bond and the guidelines as per Annexure-A herein contained are in addition to and not by way of limitation or substitution for any other guarantee, indemnities Hereto before given to the GETCO by the CONTRACTOR and this indemnity does not Revoke or limit such indemnities or guarantees. IN WITNESS WHEREOF the Parties hereto have executed this indenture the day the year First hereinabove written.
- j. GST as applicable on Penalty amount shall be borne by the contractor and the contractor agrees to pay/ reimburse the same. (TO BE INCORPORATED IN SAFETY CUM INDEMNITY BOND)

(Signature with seal of the CONTRACTOR)

In the presence of:

1.

2.



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

This Agreement is made at Palanpur the _____ day of _____ in the Christian Year Two thousand fourteen 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



Gujarat Energy Transmission Corporation Ltd.

Transmission Circle office, Palanpur-385001.

Near Circuit House, Palanpur – 385001

Phone: 02742 -255465 Fax No. (02742) 255465

E-Mail: sepln.getco@gebmail.com

(Regd. Office: Sardar Patel Vidyut Bhavan, Race Course, Vadodara-390 007)
(CIN: U40100GJ1999SGC036018)



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 ____/____/2024
2. GETCO order No. _____ Dtd. ____/____/2024
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., Palanpur.

In the presence of name, Full address and Signature:

(1) _____

(2) _____



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(On the letter pad of the company)

Date:

Declaration of Conflict On Interest

To
Superintending Engineer,
Gujarat Energy Transmission Corporation Limited,
Circle Office, Nr. Circuit House,
Palanpur-385001

Ref: Tender Notice No.....

With reference to above your tender Notice
No.....
For the work
of.....

We do not have any conflict of interest with any other bidder who has submitted the bid in this tender.

Yours Faithfully,



Gujarat Energy Transmission Corporation Ltd.

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Near Circuit House, Palanpur – 385001

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(CIN: U40100GJ1999SGC036018)



(On the letter pad of the company)

Date:

Declaration of Relationship with employee

To
Superintending Engineer,
Gujarat Energy Transmission Corporation Limited,
Circle Office, Nr. Circuit House,
Palanpur-385001

Ref: Tender Notice No.....

With reference to above your tender Notice No.....
For the work of.....

We do not have any type of relationship with any current employees of GETCO.

Yours Faithfully,



Gujarat Energy Transmission Corporation Ltd.

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SECTION - E

APPENDICES



Gujarat Energy Transmission Corporation Ltd.

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ANNEXURE-A

OUR ENDEVOUR - Safety a habit

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

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

Indoor safety precaution	Outdoor safety precaution
The method of work required T&P and Man power should be discussed between GETCO supervisor, contractor's supervisor and gang leaders.	The method of work required T&P and Man power should be discussed between GETCO supervisor, contractor's supervisor and gang leaders.
Prior to execution of work a joint survey Must be conducted by GETCO supervisor and contractor's supervisor for risk assessment. - Clearly identify the work location, to distinguish between the equipment that is dead and other equipment/part that may be live. - Disconnect equipment from supply. - Protect against other live parts. - Take special precautions when close to bare conductors/ Bus bar.	Prior to execution of work a joint survey Must be conducted by GETCO supervisor, contractor's supervisor and DISCOM lineman in order to identify the following: - HT/LT line or tap line crossing under Each span of line of the work. - Isolation point of each line crossing. - 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. - The contractors must provide advance planning of work to concerned in-charge of substation in writing. - Before starting any work whether switchyard, "permit to allow to work" must be taken from control room in-charge. - Utilizing Electrical / non-electrical equipment's, safety rules must be implemented. - If the work is to be carried out on Sunday or public holiday, the necessary permission must be taken in advance, requesting in writing. - Unwanted person including children of labours will not be allowed at working site/ in the switchyard and in the prohibited area. - Any electrical work or electrical connections to equipment for any other work must be carried out by certified	Contractor's supervisor and GETCO Supervisor must ensure all isolations physically with adequate earthing technically prior to give clearance to gang leader for taking up job. While execution of stringing work, the identified line crossing must be isolated /de-energized and written clearance should be obtained from concerned DISCOM supervisor. The isolation of Tap line must be physically seen and verified by Contractor and GETCO supervisor. At D.O. fuse junction contractor's person should be posted to ensure that no person restore D.O. supply while work is under execution Contractor's supervisor must ensure that concern officer take LCP for EHV line and power line crossing.



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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.

The local earthing must be done at the place of work before execution of any work.

11kV breaker in panel must be switched off and racked out only after ensuring no voltage in breaker and without door opening.

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.

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.

Local earthing of electrical equipment's 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.

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(CIN: U40100GJ1999SGC036018)

**ON RECENT STAMP PAPER OF RS. 300/-**

To,			
The Superintending Engineer		BG. No. :	
Gujarat Energy Transmission Corpn. Ltd,		Issuing Date :	
66KV S/S Compound,		Expiry Date :	
Highway Char Rasta		Amount :	
Palanpur-385001			

FORM OF BANKER'S UNDERTAKING**[Combined Performance Guarantee (PBG) towards Execution Period and Guarantee / Warranty Period as per Commercial Terms and Condition of Tender]**

We, _____ (Name of the Bank and Address of the Branch giving the Bank Guarantee) having our registered office at _____ (Address of Bank's Registered office) hereby give this Bank Guarantee Number _____ dated _____ and hereby agree unequivocally and unconditionally to pay immediately on demand in writing from the **Gujarat Energy Transmission Corporation Limited**, or any Officer authorized by it in this behalf any amount up to and not exceeding Rs. _____ (Amount of combined Performance Guarantees towards Execution / Supply Period and Guarantee / Warranty Period) (Rupees _____ (in words) to the said **Gujarat Energy Transmission Corporation Limited**, on behalf of M/s _____ who have entered into a contract for the supply/works specified below :

L.O.I No. _____ dated _____

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

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

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

Place:

Date:

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

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



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(CIN: U40100GJ1999SGC036018)



NAME OF DESIGNATED BANKS:

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

PARTY TO TAKE NOTE PLEASE BEFORE SUBMITTING THEIR BANK GUARANTEES

1. Bank Guarantee number and date to be written on every page of Bank Guarantee & its extension.
2. If B/G amount is more than Rs. 50,000/-, kindly take sign of Two Bank Officer with their respective Employee Code No.
3. Valid confirmation letter of the concerned Bank in an approved format should be attached with every Bank Guarantee & its Extension.
4. Stamp paper should be valid & recent one and date of issuing of stamp paper should not be beyond six months, in any case.
5. Round seal and signature of two Bank Officers with name & sign code should be affixed on every B/G paper.

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(On the letter pad of the company)

(E) APPENDICES

Gujarat Energy Transmission Corporation Ltd.**APPENDIX –I****TENDERER'S EXPERIENCE**

A List of Similar jobs executed by the Contractor & Name with address of a Person whom reference can be made, by the Corporation, if required necessary.

[Tenderers shall submit the information in the Format detailed here under]

Sr. No	Description of Work	Value Of Work Executed Rs.	Construction Period as per Contract	Actual Construction Period for the Completion of the work	Date Of Completion	Client	Persons to whom Reference may be made	Principal Features
1	2	3	4	5	6	7	8	9

Contractor's Representative legible signature: _____

Name of the person: _____

Seal of the company

Date & place:

**Gujarat Energy Transmission Corporation Ltd.**

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Gujarat Energy Transmission Corporation Ltd.**APPENDIX – II****WORKS TENDERED / IN HAND**

Details of other Works, tendered for & in hand, as on the date of the Submission of this tender
[Tenderers shall submit the information in the
Format detailed here under]

Sr. No	Name of work with location and address	Work in hand			Work Tender for			Remarks
		Tender Cost	Cost of Remaini ng work	Anticipat ed Date of Completi on	Estimate d Cost	Dat e whe n dec ision Is Exp ecte d	Stipulate d Date or period Of Completi on	
1	2	3	4	5	6	7	8	9

Contractor's Representative legible signature: _____

Name of the person: _____

Seal of the company Date & place:

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(On the letter pad of the company)

Gujarat Energy Transmission Corporation Ltd.**GETCO****APPENDIX-III****TENDERER'S DETAILS OF PERSONNEL**

The List of Technical Personnel intended to be placed at the Work by the Contractor.

[Tenderers shall submit in the Format detailed here under]

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

Contractor's Representative legible signature: _____

Name of the person: _____

Seal of the company

Date & place: _____

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(On the letter pad of the company)

Gujarat Energy Transmission Corporation Ltd.**APPENDIX-IV****TENDERER'S DETAILS OF MACHINERY**

The List of Technical Personnel intended to be placed at the Work by the Contractor.

[Tenderer shall submit in the Format detailed here under.

Sr. No.	Description & Details machinery	Capacity	Numbers	Make	Remarks
(a)	(b)	(c)	(d)	(e)	(f)

Contractor's Representative legible signature: _____

Name of the person: _____

Seal of the company

Date & place: _____

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(On the letter pad of the company)

Gujarat Energy Transmission Corporation Ltd.**APPENDIX-V****PERFORMA, SHOWING THE DETAILS OF SITE VISIT DONE BY AGENCY BEFORE QUOTING THE TENDER.**

[Tenderers shall submit in the Format detailed here under]

Sr. No.	Name of firm	Name of Authorized representative of firm who has visited the site.	Qualification	Designation / post holding in company.	Remarks.
(a)	(b)	(c)	(d)	(e)	(f)

Contractor's Representative legible signature: _____

Name of the person: _____

Seal of the company

Date & place: _____

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Gujarat Energy Transmission Corporation Ltd.**APPENDIX – VI
Qualification Requirement.****Contractor must fill up below details & should place at the top of the Technical Bid.**

Sr No:	List of Documents	
1	Registration	Class – with valid up to
2	P.F. No.	GJ/
3	Partnership deed/Proprietor (Notarized copy)	
4	Power of Attorney (Notarized copy)	
5	Bl. Sheet / P&L A/C, Statement of last three years.	
6	Latest Solvency certificate.	Rs. Lacs issued by Bank, branch dtd.
7	GST Registration No.	
8	PAN NO	
9	Experience certificate – form 3A of last 5 years (minimum value of similar work done should be equal to or more than 50% of estimated cost	

Signature of Tenderer

Company's Round Seal

**Gujarat Energy Transmission Corporation Ltd.**

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Contractor must fill up below details**Gujarat Energy Transmission Corporation Ltd.****APPENDIX – VII****Qualification Requirement.**

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.	

Signature of Tenderer

Date:

Place

Company's Round Seal

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Annexure-VIII**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	

Signature of Tenderer

Date:

Place:

Company's Round Seal

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**GUJARAT ENERGY TRANSMISSION CORPORATION LTD****Name of work:** Soil Investigation for 66kV Nadabet-Jaloya line locations Under Palanpur Circle**SCHEDULE-B**

SR NO	DESCRIPTION	Qty	Unit	Rate	Amount
1	Mobilization of Rig and required equipment for carrying out Geo Technical investigation in Creek Area/ Marshy land in Nadabet creek area in any type of soil and rock including drilling 150mm dia and 35 Rmt deep bore hole by arranging pontoons/floating platforms/ Boats or what so ever method, collecting sample of disturbed and undisturbed Soil conducting SPT and performing test in laboratory necessary arrangements of safe bearing capacity including test of tri axial shear test, direct shear test, liquid limit, plastic limit, plasticity index, grain size distribution, water test, chemical test, noting all reading dates figures plotting relevant graphs, curves and sketches for arriving at conclusions, interpreting the various plots and preparing reports as per relevant IS codes and submitting soft copy and 3 sets of hard copies of report with clear figures of safe bearing capacity including cost of all labour tools, plants etc complete as directed by EIC Moreover Effect of scour should be considered in the analysis. Pile lateral capacity for the all the diameter and depth shall be provided.	30.00	NO	84853.00	2545590.00
Total Rs.					25,45,590.00
Add GST @18%					4,58,206.20
Net Total Amount Rs.					30,03,796.20
Add WC @1%					30,037.96
Net Total Amount Rs.					30,33,834.16

General Note:

1	The quoted rates shall be deemed to include all labour, materials, consumables, equipment, tools and tackles, transportation, loading, unloading, setting up and shifting of machinery, water, electricity, sampling, preservation and transportation of samples, laboratory testing, chemical analysis, engineering analyses, preparation and submission of reports, photography, videography and all incidental works required for satisfactory completion of geotechnical investigations in accordance with the Technical Specifications and relevant Indian Standards.
2	In case of discrepancy between the Schedule of Quantities and the Technical Specification, the provisions of the Technical Specification shall prevail.
3	All investigations, testing, analyses and reporting shall be carried out in accordance with the

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	Technical Specifications, relevant Indian Standards and as directed by the Engineer-in-Charge.
4	Payment for extra depth beyond the specified depth, wherever provided in the Schedule of Quantities, shall be made only on actual quantities executed and certified by the Engineer-in-Charge.
5	The classification of strata as soil, soft rock and hard rock shall be based on the bore logs and geological conditions encountered during drilling as per required test and the decision of the Engineer-in-Charge in this regard shall be final and binding.
6	The rates quoted shall include collection, preservation and transportation of disturbed and undisturbed samples, groundwater samples and representative rock core samples, wherever applicable.
7	The rates quoted shall include submission of detailed Geotechnical Investigation Reports along with hard copies and soft copies, duly incorporating field observations, laboratory test results, engineering analyses and recommendations.
8	Geo-tagged photographs and videography of investigation activities shall be submitted along with the Geotechnical Investigation Report as specified in the Technical Specifications.
9	Borehole coordinates and other relevant site details shall be furnished in the Geotechnical Investigation Report. KMZ files shall also be submitted wherever required for transmission line investigations.
10	Backfilling and restoration of boreholes and trial pits after completion of investigations shall be deemed to be included in the quoted rates.
11	No extra payment shall be made for casing, bentonite, drilling mud, chiselling, flushing, dewatering, water loss, caving of boreholes, repeated Standard Penetration Tests, obstruction due to boulders or any other incidental difficulties encountered during execution of the work.
12	The quantities shown in the Schedule of Quantities are tentative and may vary depending upon site conditions and requirements. Payment shall be made on actual quantities executed and accepted by the Engineer-in-Charge.
13	Any additional investigations considered necessary during the course of work for proper interpretation of subsurface conditions shall be carried out as directed by the Engineer-in-Charge and paid under the relevant items of the Schedule of Quantities.
14	The decision of the Engineer-in-Charge regarding the classification of strata, acceptance of test results and measurements shall be final and binding on the contractor.

**SUPERINTENDING ENGINEER
CIRCLE OFFICE, GETCO, PALANPUR.**

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

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

I/We am/are willing to carry out the work at _____% (in words _____percentage) above / below the estimated cost. Accordingly the total amount of my/our tender works out to Rs. _____ (Rupees _____)

Signature of contractor with seal