



PASCHIM GUJARAT VIJ CO. LTD
PALITANA DIVISION OFFICE
OLD POWER HOUSE COMPOUND

Tender For Erection and Maintenance of HT,LT and TC work for ALL Scheme IN GARIADHAR-1 SUB-DIVISION Under Palitana Division.

TENDER ID- 313911



Note- No Physical Submission is Allowed,Only Scan Ddocuments with Sign and Stamp on Each and Every Page is to be upload online,failing which your Tender Bid Will be Liable To Cancelled.

Date:
Sign & Stamp of the Bidder

Executive Engineer
PGVCL, Division office,
PALITANA

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SECTION – 1

GENERAL INFORMATION FOR BIDDERS

1. DEFINITION

The "PGVCL" shall mean the Executive Engineer PALITANA Division, PASCHIM GUJARAT VIJ COMPANY LTD., having its corporate office at Nanamava Main Road, Laxminagar, Rajkot. With expression shall unless repugnant to the context include its permitted assigns or successor / authorized representatives.

The "Contractor" / Successful Bidders shall mean the Bidders, whose tender has been accepted by the PGVCL for award of the contract and shall include his authorized representatives.

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

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

The "Order" shall mean the official letter issued by the PGVCL, informing the bidder that his tender has been accepted.

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

The "EMD" shall mean Earnest Money Deposit.

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

The "Completion Period" shall mean the period starting from the date of issue of "Order" and required to complete the work in all respect.

The "Work" shall mean activities to carry out for the entire scope of this Tender.

"Inspector" shall mean the any person nominated by PGVCL from time to time to inspect the works under the contract and/or duly authorized representative of the PGVCL "Letter of Award" shall mean the official notice issued by the PGVCL notifying the contractor that his bid has been accepted.

"Date of Contract" Shall mean the date on which Letter of award has been issued.

"Month" shall mean the calendar month day or days unless herein otherwise expressly defined shall mean calendar day or days of 24 hours each.

"A Week" shall men the continuous period of seven days.

HT means High Tension

Date:

Sign & Stamp of the Bidder

LT means Low Tension,

U/G means Under Ground

Electricity Rules: - All the works shall be carried out in accordance with latest rules under Electricity Act- 2003

Testing: - After completion of work execution required Tests are to be taken in presence of Engineer in Charge whenever required.

Definition of “Similar work” for overhead network: Erection of overhead electric Network up to voltage level 22 KV

Definition of “Similar work” for underground network: Laying of HT / LT Underground Power cable network for Distribution system.

2. PRE QUALIFICATION CRITERIA / ELIGIBLE CRITERIA FOR BIDDERS

Bidders fulfilling eligibility criteria as mentioned in section 1 Sr. no. 2.2. and having experience of erection & maintenance of overhead HT/LT lines, Transformers, underground cable work, along with satisfactory work completion certificate regarding execution of work, including work order outward number along with its value, from order issuing authority, for last 3 (three Years) *_ ending last day of month previous to the one in which tenders are invited.*, of any DISCOM of GUVNL or any Govt. / Private DISCOM of any state of India. The work executed through open/ advertised tender shall only be considered for experience of work. **The work done through limited tender shall not be considered for experience.**

These bidders will be considered as an experience bidder.

Bidders fulfilling eligibility criteria as mentioned in section 1 Sr. no. 2.2. and not possessing any experience of erection & maintenance of overhead HT/LT lines, Transformers, underground cable work can also participate in tender for erection & maintenance of overhead HT/LT lines, Transformers, underground cable work.

These bidders will be considered as an NEW bidder.

Following documents are mandatory for the Bidders.

- **Vendor Registration Certificate**
- Work Completion certificate (by Order Issuing Authority only) with copies of Work Orders for the similar works executed.
- Memorandum of Association or partnership deed.
- Document showing P.F. Number obtained by the bidder.
- Power of attorney if any for signing the bid documents.
- Latest solvency certificate issued by Nationalized or scheduled bank for a sum of Minimum 20% of Tender cost
- Registration Number under Shop and Estt. Act (If as case may be applicable)
- PF Code Number allotted by concerned PF Authority

Date:
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- Labour License (If as case may be applicable)
- Registration under ESIC (If as case may be applicable)
- Type test certificates for Cable Box, straight through Joints (In Case of UG Work Involved).
- E. P. F. Registration in the name of bidder.
- GST Registration Certificate in the name of bidder
- PAN card in the name of bidder
- Valid Labour Insurance Policy in the name of bidder
- Latest bank solvency certificate from any Nationalized/Scheduled bank
- Adhar Card (Optional) (In case of Bidding is done on Individual name)

INSTRUCTIONS FOR e TENDERING (ON LINE TENDERING) TO BIDDERS.

- Bidders willing to participate in tender will have to get themselves registered on website www.nprocure.com
- Bidders willing to participate in tender should have valid digital certificate / Digital Signature as per Information Technology Act 2000 using which they can sign their electronic bids. Bidders can also procure the same from (n) code solutions, a division of GNFC Ltd., who are licensed certifying authority by Govt. of India.
- Download tender Documents from PGVCL web site up to date shown in the tender document.
- For details regarding digital certificate and related training the below mentioned address may be contacted
 (n) Code Solution A division of GNFC, 403, GNFC Info Tower, Bodakdev, Ahmedabad 380054.
 Tel: +91 26857316/17/18; Fax: +91 79 26857321;40007533
 Toll Free No:1-800-233-1010 Mob.: 9327084190; 9898589652, E-mail:
nprocure@gnfc.net
- Bidders who already possess valid Digital certificate need not procure a new digital certificate.
- Bidders can prepare and edit their offers number of times before tender submission date and time as mentioned in this tender details table no1. After tender submission date and time, bidder cannot edit their offer submitted in any case. No written or online request in this regard shall be granted.
- Bidder shall submit their offer, i.e. Technical Bid as well as price bid in Electronic format on website www.nprocure.com before the validity period mentioned in tender details Table no1.
- Offers submitted without digitally signed will not be accepted.
- Offers only in physical form will not be accepted in any case

Date:
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4. UNDERSTANDING AND CLEARIFICATIONS ON DOCUMENTS AND SPECIFICATIONS.

All interested parties are requested to understand this Tender Document in detail in order to comply with PGVCL's requirements including but not limited to the Tender fees, EMD and deadlines, selection criteria, selection methodology, scope of work, and minimum technical standards.

The Bidder is required to carefully examine the specifications and documents and fully inform himself as to all the conditions and matters which may in any way affect the Work or the cost thereof. If any Bidder finds discrepancies or omissions in the specifications and documents or is in doubt as to the true meaning of any part, he shall at once request in writing in advance before filling in the tender, within the time limit as per Table no 1, for an interpretation / clarification by the PGVCL PALITANA Division office. Then The PGVCL PALITANA Division office will issue interpretation and clarifications as he may think fit of such interpretations and clarifications, the Bidder may submit his bid but within the time and date as specified in the Table no1. All such interpretations and clarifications shall form a part of the specifications and documents, and accompany the bidder's proposal. In case of difference of opinion about interpretation of specification etc. the decision of Executive Engineer PALITANA Division will be final and shall be binding to the contractor.

4.2 Verbal clarifications and information given by the PGVCL or his employee(s) or his representative(s) shall not in any way be binding on the PGVCL.

All interested parties requested to strictly abide by all terms prescribed in this **RFP Document** and provide accurate information to the best of their knowledge without misleading PGVCL to be considered for participation in this Project.

Bidders should be in touch with websites <https://pgvcl.nprocure.com> & www.pgvcl.com for information regarding revision / corrigendum / Amendment in the Tender Document till due date of online / offline submission and thereafter. No separate information shall be sent in this regards and also not publish in newspaper.

5. TENDER FEES (Non Refundable & Non-transferable)

Existing rate of GST will be levied on following tender fees as per GST Rules in force during this Tender Period.

The Tender fees is payable, as per following Table, between the dates mentioned in Table no 1, by cash & DD if total amount of Tender fees plus applicable GST is less than Rs 10,000/- or only by Demand Draft (DD), if the said amount is more than Rs 10,000/-, in favour of the Paschim Gujarat Vij Company Limited payable at PALITANA on any Nationalized /Scheduled banks

Sr.No	Tender Amount	Tender Fees in Rs.	Present rate of GST
1	Up to Rs 5,00,000/-	500.00	18%
2	Above Rs 5,00,000/- up to Rs 10.00.000/-	750.00	18%
3	Above Rs 10,00,000/- up to Rs 25.00.000/-	1000.00	18%
4	Above Rs 25,00,000/- up to Rs 50.00.000/-	1250.00	18%

The tender fees once paid for tender document will not be refunded under any circumstances or not transferred to other bidder.

6. EARNEST MONEY DEPOSIT (EMD)

- The EMD payable, between the dates mentioned in Table no 1 ,by cash if total amount of EMD is less than Rs 10,000/- or by Demand Draft (DD), if the said amount is more than Rs 10,000/-, in favour of the Paschim Gujarat Vij Company Limited payable at PALITANA on any Nationalized /Scheduled banks or by Bank guarantee from any Nationalized/Scheduled nationalized bank decided by Government of Gujarat time to time only. **The EMD Amount is 1% of the Tender Estimated Cost.**
- The money receipts of payment of Tender fees and EMD or DD for tender fees & EMD should be submitted in sealed cover & This cover shall be clearly marked "Tender fees & EMD Cover for Tender no.(See Page No.02)" along with the name and stamp of bidder.
- The EMD of all unsuccessful bidders **except that of the successful bidder** will be returned after the award of the contract.
- EMD of the successful bidder to whom a contract is awarded will be returned after the said bidder pays the security deposit and signs the contract agreement.
- If the successful bidder fails to submit a Security Deposit within **15 days** from the date of LOA of the contract or fails to sign the contract agreement then the EMD amount will be forfeited in favour of PGVCL without any notice or and **action for "Stop deal" will be initiated as decided by tender inviting authority.**
- No interest will be payable by the PGVCL on the above Deposit.
- EMD can be exempted as per Industries & Mines Department, GoG New Purchase Policy Resolution No. SPO/1095/2636(97)/CH dated 23.09.1997 for Small and Micro Scale Industries.

Date:
Sign & Stamp of the Bidder

- In cases, where EMD need not to be paid, valid exemption Certificates duly notarized has to be produced/attached in place of EMD documents as per the Tender Terms and Conditions.
- The Micro and Small Scale Industrial (manufacturing) Units registered under Small Scale Industries of Gujarat State and holding subsequent registration with NSIC/DGS&D, Registration Certificates for the item under Tender will be eligible for exemption from payment of EMD on submission of attested copies of their SSI (SSI/ MSME Part-II) & NSIC/DGS&D Registration Certificates and Udhog Adhar Certificate/Memorandum in EMD Cover. The Certificates should indicate the manufacture/service/works of items/work offered. This benefit of exemption will not be admissible if they take part in the tender indirectly either through their dealers, agents, distributors or other intermediates.
- Tenders submitted without Earnest Money Deposit by the firms, who are not eligible for any exemption, will be rejected without entering in to further correspondence in this regard and no reference will also be made.

7. In case of On line Tenders

Technical & Commercial Bid cover:

7.11 Following documents are mandatory and to be in submitted through sealed cover. **This cover should be clearly marked “Technical & Commercial Bid Cover for Tender no.(See page No.2)”** along with the name and stamp of bidder

1. Attested Copy of successful work Completion certificate, as mentioned on page no 5 point no 2.11 of this document.
2. Attested copy of Memorandum of Association or partnership deed.
3. Attested copy of document showing P.F. Number obtained by the bidder.
4. Attested copy of power of attorney if any for signing the bid documents.
5. Attested copy of latest solvency certificate issued by Nationalized or scheduled bank.
6. Attested Copy of registration Number under Shop and Estt. Act (If as case may be applicable)
7. Copy of PF Code Number allotted by concerned PF Authority
8. Copy of Labour License (If as case may be applicable)
9. Copy of Registration under ESIC (If as case may be applicable)
10. All Annexures of this tender documents , duly signed by the bidder, in chronological order only
11. Certificate – A

12. Copy of Tender Document duly signed and stamped on each page.

13. Type test certificates for Cable Box, Straight through Joints (In Case of UG Work Involved).
14. The contractor shall have a separate provident fund code of RPFC and the Contractor who do not possess separate P.F. Code shall not be considered for acceptance of tender.

Date:

Sign & Stamp of the Bidder

15. Contractor has to submit such certificate showing separate P.F. Code along with tender.
16. List of available safety gadgets, as per annexure XI, with the bidder.
17. Copy of documents mentioned in sr. no 2.2 of this tender.

Commercial / Price Bid:

The bidder must clearly quote their rates in Schedule – B of this tender, in percentage above than, below than or equal to, the tender rate in figure as well as in words. The bidder should specify whether the quoted rates are with or without prevailing taxes, if applicable, in force at that time, The bidder must work out the total price of their tender offered accordingly and the total amount should be clearly written in words & figure, in case of any discrepancy whatever written in words shall prevail. Company shall at liberty to decide the matter as it deem fit.

In case of non SOR rate, Item wise rate should be mentioned and item wise rate will be consider for the lowest party.

Further bidders, for “On line tenders”, are requested to submit price

- **bid on-line only and not to submit the price bid in physical form.** This is mandatory. If price bid is submitted in physical form, same will not be opened and only on-line submitted price bid will be considered for evaluation. **In On Line price Bid, GST is to be mentioned in separate row/Column.**

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

8. In case of Off line Tenders

Technical Bid cover

- 8.11** All the documents as specified in Section I sr no. 7.1 are mandatory and to be in submitted through sealed cover. **This cover should be clearly marked “Technical Bid Cover for Tender no. (See Page No.2)”** along with the name and stamp of bidder

Commercial / Price Bid cover:

All the documents as per Section 1 sr no 8.22 & 8.23 are mandatory and should be submitted in sealed cover. This cover shall be clearly marked “Commercial Bid Cover for Tender no. (see Page No.2)” along with the name and stamp of bidder

- The bidder must clearly quote their rates in Schedule – B, attached with this tender, in percentage above than, below than or equal to, the tender rate in figure as well as in words. The bidder should specify whether the quoted rates are with or without prevailing taxes, if applicable, in force at that time, The bidder must work out the total price of their tender offered accordingly and the total amount should be clearly written in words & figure, in case of any discrepancy whatever written in words shall prevail. Company shall at liberty to decide the matter as it deem fit.
- In case of non SOR rate, Item wise rate should be mentioned and item wise rate will be consider for the lowest party.

Date:

Sign & Stamp of the Bidder

No deviation in terms & condition in Schedule-B and Technical Specification will be entertained. All the documents related to this Tender shall be final and binding to all the bidders. Any ignorance for this shall not relieve the contractor from their contractual liability arising as per Tender documents.

9. The works referred herein shall cover the entire scope of the Tender.
10. The issuance of bid document would not mean that the bidder has qualified for the bidding. Hence bidders should ensure themselves of their credentials before submitting their offer.
11. Executive Engineer, PGVCL, PALITANA Division reserves the right to spread the order if required.
12. **Does not anticipate change in the PGVCL ownership during the proposed period of work.**

13. AMENDMENT TENDER-

At any time prior to the deadline for submission of bids, as mentioned in Table1,PGVCL may, for any reason, whether at its own initiative or in response to a clarification requested by a respective bidder, modify the bidding documents by amendments.

The amendment will be notified, only on PGVCL Website & nprocure website in case of on line tender, PGVCL will bear no responsibility or liability arising out of noncompliance of the same in time or otherwise.

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

14. SUBMISSION OF TENDERS-

Follow all the instructions narrated this tender document for submission and no any further communication in the matter will be entertained.

The Bidders must ensure that all the Annexures are completely filled in their tenders and the information called for is given in totality. A set of complete tender documents is required to be submitted duly signed and stamped by authority competent to sign on behalf of bidder on each page as a token of unconditional acceptance to the conditions of various clauses of tender documents. The bidder's bid and the documents attached there to shall be considered for forming part of the contract documents.

For "On Line Tenders"

Tender Papers & Specifications may be down-loaded from Web site

<https://pgvcl.nprocure.com> (For view, download and on line submission) and PGVCL web site **www.pgvcl.com** (For view & down load only).



No Physical Submission is Allow,Only Scan documents with sign and stamp is to be upload online.

Executive Engineer

PASCHIM GUJARAT VIJ COMPANY LT

**Date:
Sign & Stamp of the Bidder**

Price bids to be submitted ON LINE only before time limit specified in “Tender Details” Table no1 of this document.

For “Off Line Tenders”

REJECTION OF TENDER:

The Bidders is expected to examine all instructions, terms, conditions, schedules and other details called for in this specification and keep himself fully informed about all which may, in any way, affect the work, or cost thereof. The bidder should sign on each page of tender documents , as mentioned in Section 1 point no. 2.15, failure to furnish the required information or submission of tender not as per the specification will be at the Bidders risk may result in rejection.

The offer is liable summarily rejected if it contains.

- a) Deviation/Addition/Alternations/Omissions in bidding schedules.
- b) Deviation and contradictions to the terms and conditions specified in this tender.

Date:
Sign & Stamp of the Bidder

- If any bidders firm or/and partner or proprietary firm anywhere in companies (PGVCL, UGVCL, MGVCL, GETCO, DGVCL, GSEC) under GUVNL are under criminal investigation for any kind of fraud for public and theft of material or/and with handlings the material and any civil and/or criminal case pending at any stage than offer of such bidder /firm will be out rightly rejected.
- Bids submitted after the time and date fixed for the receipt of bids as set out in the Table no1, shall be rejected.
- Any deviation found in Data/Details/Documents between online offer (e- tendering) and physically submitted documents of bidder, offer of the same shall be liable for rejection at the discretion of PGVCL.
- The Bidders shall specifically note that any over writing or corrections or manuscript in the bid shall be ignored and will not be considered authentic unless same are signed with Bidder's Stamp/Seal as mentioned in Section 1 point no. 2.15.**Conditional bids shall not be accepted.**

15. LANGUAGE OF THE TENDER

All information in the bid shall be in English. Information in any other language shall be accompanied by its translation in English. Failure to comply with this may disqualify a bid. In the event of any discrepancy in meaning, the English language copy of all documents shall govern.

16. SIGNATURE OF BIDDER

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

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

- A bid by a person who affixes to his signature the word 'President', 'Managing Director' 'Secretary', 'or other designation without disclosing his principal will be rejected.
- Satisfactory evidence of authority of the person signing on behalf of the Bidder shall be furnished with the bid.
- The Bidder's name stated on the tender shall be exact legal name of the firm.
- Erasures or other changes in the bid documents shall be over the initials of the person signing the bid.
- The bidder should sign, as described above, on each page of tender documents & then they have to submit this tender documents.

Date:

Sign & Stamp of the Bidder

17. PRICE BASIS CURRENCY AND PAYMENTS

Bidder shall indicate bid prices in Indian Rupees only.

18. EFFECT AND VALIDITY OF TENDER

The bid should be kept valid for a period of **120 DAYS** from the date set for opening of the technical bid.

19. EVALUATION AND COMPARISON OF TENDERS

Generally the qualifying price bids, Bid price shall mean the bid price quoted by each bidder in his bid for the complete scope of works including all duties and Taxes ,will be evaluated by the PGVCL to ascertain the best and lowest evaluated bid in the interest of the PGVCL, for the complete works covered under these specifications and documents.

20. ARITHMETICAL ERRORS

Arithmetical errors will be rectified on the following basis:

If there is a discrepancy between words and figures, the amount in words will prevail. If there is discrepancy between the unit price and the total price which is obtained by multiplying the unit price and quantity, or between sub-total and the total price, the unit or sub-total price shall prevail, and the total price shall be corrected. In case of discrepancy between sub-total price obtained by adding various prices in the schedule and the sub-total price indicated for that particular schedule, the sub-total obtained by addition of various arithmetically corrected prices would be considered for evaluation.

However, the PGVCL shall be entitled to award the contract at the lowest of the prices arrived at from various schedules, identified for that purposes, in the bid proposal sheets.

If the bidder does not accept the correction of the errors as above, his bid will be rejected.

21. AWARD OF CONTRACT

Notification of award of contract will be made in writing to the successful bidder by the PGVCL.

The contract will be awarded to the best qualified and responsive bidder offering the lowest evaluated bid in conformity with requirements of these specifications and documents and PGVCL shall be the sole judge in this regard and subject to the provisions of these instructions to bidders and other terms and conditions detailed out in these documents and specifications. A responsive bid is one which accepts all terms and conditions of these specifications and documents without any modifications.

PGVCL Reserves the right to award separate contract to two or more parties in line with the terms and conditions specified in the specification.

22. ADDITIONAL DOCUMENTS:

At the time of evaluation of tender PGVCL PALITANA Division office may ask bidder to submit required documents other than mentioned in section I Point no 2.2, if required.

Date:

Sign & Stamp of the Bidder

23. COMPLETION PERIOD

The contractual period for execution of the work stated in Schedule – B of this Tender consist 365 Days. The commencement date of Order shall be Date of issue of the Order.

Date:

Sign & Stamp of the Bidder

Table-2
GENERAL INFORMATION ABOUT THE BIDDER
 (To be completely filled by the bidder)

1.	Name of the Bidder	
2	Postal Address	
3	Telephone nos. Fax no. Mobile no:	
4	e-mail address & URL	
5	Type of Company Attach Proof of Company Registration along with a copy of the Partnership Deed/ Article of Association and Memorandum of Understanding	Proprietorship/ Partnership/ Private Limited/ Public Limited
6	Name and designation of the representative of the Bidder to whom all reference shall be made to expedite technical co-ordination.	
7	Office Address	
8	Stores Address where materials issued by PGVCL will be stored	1) 2) 3)
9	Store Documents to be submitted (Rental/PGVCL)	
10	Office Telephone/Fax no.	
11	Office e-mail address	
12	Permanent Account Number(PAN),	
13	GST Number	
14	PF No.	
15	Labour License No.	
16	Insurance Policy No. and for nos of labours in the name of bidder	Policy No. _____ Nos of Labours Insured in this policy _____
17	Solvency Certificate No.	
18	Adhar Card No.(Optional)	

It is certified that the information provided above is true to the best of my knowledge and belief. If any information found to be concealed, suppressed or incorrect at later date, our tender shall be liable to rejected and our company debarred from executing any business with PGVCL.

Date:
Sign & Stamp of the Bidder

SECTION II Schedule A:

1.0 For Underground Cable

1. Bidder has to maintain the records of allotted Cable Drum with actual Cable/Conductor length. Cable length must be measured before laying. Cable joints are to be done as per requirement only and length of cable must be utilized accordingly.
2. Cable is to be laid in Trench as per instructions of Engineer-in-Charge.
3. The trench excavation and filling-in shall be so executed that all walls, roads, sewers, drains, pipes, cables, structures, places and things shall be reasonably secured against risk of injury and shall be carried out to the satisfaction of the authorities concerned. However, if any, damages to existing services made, Contractor shall arrange and pay for any necessary repair, to make good the damages.
4. When the excavation of the trenches has been accurately executed, the contractor shall inform engineer in-charge for approval. Laying of cables shall not be started until engineer in-charge approves the trench.
5. All the related material for laying the cable in trench i.e. **Half round RCC Pipes having both sides smooth surfaces, 25.4 mm thick, 152.4 mm inner diameter, 1000 mm long and well cured and good quality; Sand from river bed, HDPE Pipes, GI Pipes and sundries material if any (As per Schedule B)** are to be supplied by Bidder at his own Cost. All such material must be approved from concerned Engineer-in-charge before utilization and it must be ISI marked where ever applicable.
6. Cable laying work must be executed as per prescribed in Schedule B. sand filling in Trench must be done as mentioned in Schedule B. Megger test of Cable must be taken in presence of Engineer-in-charge before laying and Bidder has to maintain separate Records duly signed by Engineer-in-Charge for each results. After laying the Cable in trench it is to be covered with half round pipe of RCC as prescribed in Schedule B and approved sample. Each Half round Pipe must be marked with "PGVCL" with solid Red Colour on Top.
7. Proper methodology of laying is to be adopted by the Bidder. Bidder has to lay Cable in the stretch on small pulleys kept in the Trench so that it can be prevented from any scratches on Cable. Drum must be fixed on Drum Machine while stretching and to be kept on one end of Trench for smooth laying.
8. After completion of laying as above, remaining trench must be filled with sand. Leveling with Road is to be done after complete sand filling. No any stones or any other debris are to be utilized in filling of Trench. The contractor shall dispose of surplus material at his own cost.
9. A pre-warning PVC yellow tape 8-Inch wide and 300 microns thick (LDPE) shall also be laid. The warning tape shall be printed in RED letter (IN ENGLISH AS WELL AS GUJARATI) as "**CAUTION: 11000 VOLTS PGVCL CABLE**" and to be placed at about 300 mm To 450 mm depth from ground level along the route of cable.

Date:

Sign & Stamp of the Bidder

10. Trench route is to be made as per instructions of concerned Engineer-in-Charge and then laying of cable in this trench accordingly.
11. Cable Laying with Mechanical Boring across the Road without disturbing the asphalt is to be done instructions of concerned Engineer-in-Charge with prior approval and work is to be executed as per Specifications in Schedule B only.
12. For Cable kit Make (Brand) Bidder has to submit any NABL accredited Lab Type test certificate not older than Seven years and as per relevant IS 13573:2011 with latest amendment if any along with sample before installation of cable kit at concern Division office. GTP is to be submitted with Technical Bid.
13. If any Hard Rock area is encountered during the digging of Trench, Bidder must have all the modernized equipment i.e. Erath Cracker JCB etc. to execute the required Trench. Such area must be certified by a formation of Committee at Division Level headed by Executive Engineer and to be executed in presence of Engineer-in Charge.

IS 1255-1983 is to be followed for the depth of trench in such area.

14. Route Markers are to be installed at every 100 Meters length as per specifications in Schedule B The marker should incorporate the following relevant information:
 - 1) The name of the Company – PGVCL.
 - 2) Voltage – 11 KV Cable
 - 3) Distance of cable from the markerThe interval should be maximum 50/100 meters (As per EIC instructions and requirements) between two markers. It shall also be put at bends, curves, road crossing, Cable Joints etc. of cable route as per requirement over and above specified distance.
15. Empty Drums are to be credited at PGVCL respective stores at Bidders cost and Risk after successful completion and Execution of work. Otherwise Recovery will be proposed as per Section V Clause No. 20.
16. After Laying of Cable in Trench and filling of all type Cable Box and Joints, testing must be carried out with help of Voltage Surge Testing Kit as per IE Act by applying 22 KV for continuous Five Minutes and Cable must hold the satisfactory Results. Bidder must have such testing facility. Following Pre commissioned Tests are also to be carried out.
 - a) Insulation Resistance of each cable drum length after laying and before jointing.
 - b) Before laying of cable, tests for detection of damage to outer sheath, if any.
 - c) After laying each cable with end termination shall withstand a voltage of 10 KV DC for one minute between each phase to phase & phase to cable earth.
 - d) Test for 5 min. with system voltage applied between the conductor and the screen.
 - e) Continuity & Phase confirmation

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17. During the Execution if any deficit found in allotted material OR in case of any theft of PGVCL allotted material, then PGVCL will recover the cost of such material from Bidder as per the prevailing Market Rates.
18. No any Advance Payment will be made after issuing of Order.
19. PGVCL will be not responsible and liable for the material supplied by the Bidder.
20. During Execution of work for Trench and Cable Laying authorized representative of Bidder who is in knowledge of Engineer-in-Charge must remain present.
21. Bidder must have to submit the List of all related Equipment and Testing facility necessary for the Tendered work while quoting the Bid.
22. PGVCL reserves the right to change/modify/alter/addition in condition in case of any dispute and holds the power to decide the final verdict.
23. GST as per prevailing rates are applicable to Bidder for this work.
24. In case of any Disputes, Superintending Engineer of Concerned area is the final Authority to take any Decision.
25. Work may be required to be executed in any 66/132/220KV Sub-Stations also.
26. Necessary shutdown for connection/jumper of UG cable with existing network will be provided as per availability or convenience of the PGVCL which shall be acceptable to the contractor & contractor shall try to complete the work in minimum time.
27. All the sundries material like Clamps, Screws, nuts, bolts, nails etc. is at Contractor's cost.
28. Work is to be performed as per Drawing No. PGVCL/Tech/UG cable/01/14-15 and PGVCL/Tech/UG cable/02/14-15 are attached in Section XI.

For Overhead Line

1. Bidder has to maintain the records of allotted Conductor Drum with actual Conductor length. Conductor length must be measured before Stringing.
2. E/o Poles must be according to RE Standards. Pole Pit, stringing installation of Fabrication must be done as per standards and esthetically.
3. Earthing of Poles and Transformers must be as per Drawings and RE Standards. The Coal and Salt composition must be followed as per rules. The Earth Pit must be kept at a distance mentioned in Standard form the Pole. Earth Pit must be as per Drawing.
4. Concreting of Poles/Guys are to be carried out as per site situation and as per instructions of Engineer –In-Charge.
5. Construction of Transformer Structure must be as per standard with all required accessories like LA, Box and Fuse etc.
6. **Delta Type Three Earthing** are compulsory for each Transformer Centre.

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7. All the jumpers at Shackle Points/DP Structures must be of "D" Type only.
8. Wherever required, Guarding as per standard must be done.
9. Pole Concreting: Whenever concreting of poles (PSC/RSJ) required, subdivision officers has to submit the proposal to the division office with all justification before commencement of work. Committee of Executive Engineer, DE Tech of Division office has to verify the submitted proposal and decide whether concreting is required or not. After the approval of committee work of concreting should be process as per specification attached herewith.
10. Bidder must have records of each work carried out with every material inventory and account thereof issued to him.
11. Bidder must have the well-drawn sketch of each work and to be submitted with Inventory sheet within 15 Days of work completion.
12. All the fabricated material and Girder Poles must be painted with Coats of Silver Oxide and without this work, work completion will not be accepted. **Pole Numbering** must be completed within week time as per Engineer-in- Charge Instructions. For all type of pole numbering work, the colour of STANDARD company shall be used as per the instructions of the Engineer In-Charge. Further, if the work done by you fades, gets erased, or becomes light within a period of 5 years, it shall be your responsibility to redo the work at your own cost.
13. Bidder must have proper pole accounting for the work carried out by him. He must have the location details from where the poles are lifted and where these poles are utilized for each work. A separate Register is to be maintained by him and details are required to be submitted with Inventory and Sketch submission.
14. Necessary shutdown for connection/jumper of newly erected line with existing network will be provided as per availability or convenience of the PGVCL which shall be acceptable to the contractor & contractor shall try to complete the work in minimum time.
15. Successful Bidder must have ensured for that the safety Gadgets are issued to his Labour , by him, and required regulations of Safety will be followed while carrying out the line erection work.
16. The Work for the erection of of Poles, Guys, Earthing, Transformer and Concreting, Stringing and Guarding must be done as per attached Specifications and Drawings.
17. The material which is dismantled from site during the execution of work must be credited to respective Divisional stores immediately after completion of work with complete inventory and measurement details and length to weigh conversion calculations.
18. Any violation of Electricity Act 2003 Section No. 136 & 137, necessary action will be initiated against the Contractor
19. In case of any Disputes, Superintending Engineer of Concerned area is the final Authority to take any Decision.

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SECTION III

General Instructions to the successful bidders

1. Letter of Intent (LOI) / Letter of Acceptance (LOA) shall be issued to the successful Bidders indicating the quantity allocated to them and the security deposit amount to be deposited by them with PGVCL. Short listed Bidders will be required to deposit the requisite security deposit within 15 days from issuance of LOI / LOA.

2. Security Deposit:

- Security deposit will be accepted in Cash if the amount is less than Rs. 10000.00 and, if the amount is more than Rs. 10000.00 then will be payable by Demand Draft (DD) or Bank Guarantee (BG) from Nationalized / Scheduled Banks as per Govt. GR No. EMD / 10 / 2014 / 570 / DMO dated 01.04.15 will be acceptable. DD should be drawn on any Nationalized /Scheduled banks in favour of Paschim Gujarat Vij Company Ltd. payable at PALITANA or by Bank guarantee from any Nationalized/Scheduled nationalized bank decided by Government of Gujarat time to time only. **Cheque will not be acceptable**
- The successful Bidders will be required to deposit the requisite security deposit within **15 days** from the date of issuance of LOI / LOA of an amount equivalent to 5 % of the value of the work to be allotted to him and as mentioned in LOI/ LOA.
- In case, if the Bank Guarantee is furnished / submitted, it should have a Clear one time validity till the completion of awarded work of this workorder.
- Bank Guarantee for interim period will not be allowed. Security Deposit shall be suitably extended time to time as per requirement.
- If by any reasons the completion period of this work order is extended, then supplier should undertake to renew the Bank Guarantee at least one month before the expiry of the validity failing which PGVCL will be at liberty to encase the same. **CORPORATE GUARANTEES NOT ALLOWED.**
- No interest will be paid on the Security Deposit.
- In the event of awarding the order of additional quantity, the successful Bidders will be required to deposit additional Security Deposit on prorata basis within two weeks of the issuance of LOA /LOI for the additional order quantity.
- In the event of failure to carry out work offered by successful Bidders and as accepted by them while receiving the order within given time period, will lead to forfeiture of the Security Deposit up to 100% and will lead to disqualification of the bidder to transaction business with PGVCL for at least TWO years or the time duration as may be decided by the Managing Director, PGVCL.

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- Security deposit will be returned on after completion of awarded work.
- **If the successful Bidders fails to pay security deposit within given time limit then the letter of intent will stand cancelled. EMD amount will be forfeited in favour of PGVCL without any notice or and action for “Stop deal” will be initiated as decided by tender inviting authority.**

3.0 SIGNING AGREEMENT

The successful Bidders will have to sign an agreement, within 15 days from the receipt of LOI/LOA, on Stamp Paper of Rs 100/-as per Company's rules in the prescribed form of the P.G.V.C.L. attached with this Tender. The cost Rs.100.00 of the Stamp Paper will have to be borne by the successful Bidders.

4. For the Tendered work, other than turnkey work, entire material will be issued by PGVCL. Any other related material required to carry out work mentioned in Schedule A is to be brought by Bidder. No any extra cost will be paid towards such material.
5. **Successful Bidder has to follow all the rules and Regulations of Work Safety. Required tools and Tackles for Safety are to be arranged by Bidder only.**
6. Bidder is responsible to any type theft/damages of Company's material and also responsible to any type damages to any property and any kind fatal/non-fatal accidents to anybody during the execution of work. Insurance of all workers is compulsory, who are involved in Execution of Tendered work. There will be no any financial liabilities of PGVCL for damage charges paid such way. Copy of valid Labour Insurance Policy in the name of bidder is to be submitted with Tender Documents.
7. Rules and Regulations of PGVCL Works and Contracts Book are abided to Bidder.
8. Work must be completed in specified Schedule narrated in the Tender. **If concerned Engineer not satisfied with quality of work, no any Time limit extension will be granted and Penalty with applicable GST and other taxes in force at that time will be levied on delayed portion of work.**
9. **Agreement must be executed within 15 (Fifteen) Days from the date of issue of LOA. Security Deposit (In form of DD/BG) and Insurance Policy is also to be submitted with Agreement within this time limit i.e. 15 (Fifteen) Days.**
10. **Remaining material is to be credited at Respective Stores of PGVCL within a month after completion of work.**
11. Agreement and Indemnity Bond is to be executed on Rs. 100/- Stamp Paper and cost of stamp paper is to be borne by Bidder. Solvency Certificate is to be submitted as per PGVCL rules and Tender Condition.
12. Bidder is solely responsible for the material supplied by PGVCL.
13. Coal and Salt are to be brought by Bidder at his own expenses, for earthing work, and work to be done as per PGVCL rules and RE specification for this work.

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14. Work is to be carried out in presence of PGVCL authorized representative and to be duly certified also.
15. No idle labour charges will be paid by the PGVCL in case such occasion of idle labour arises, due to want of any materials or any other situations.
16. PGVCL have full rights to accept or reject the offer received against the Tender.
17. **Bidder has to submit the Performance Certificates under whom the similar kind of Tender work has been executed. Such Certificates must not older than 3 Years from Date of submission of the Bid. Such Certificate must be duly signed by Cadre Executive Engineers and above only.**

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SECTION IV:

TERMS & CONDITIONS REGARDING INDUSTRIAL LAWS AND OTHER RELATED MATTERS:

1. COMPLIANCES WITH LAW:

The Contract shall in all respects be interpreted in accordance with the laws in force in India, including any such laws passed or made or coming into force during the period of the Contract.

2. Wages to be paid at the time of payment etc.by the contractor

The successful bidder shall pay minimum prevailing rates per day, as may be specified here after, or rates fixed under the 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 month irrespective of which the wages are payable i.e. wages of a last month have to be paid by him in the first week of the next month). The contractor shall have to make wages to his workers through bank only. The agency shall have to submit the copy of a letter given to the Bank advising for crediting wages in individual account of the workmen along with photocopy of the cheque showing total payment to be made to all such workmen whose accounts are operated in that branch. (If there is more than one Branch, the agency will have to submit separately for each branch.)

The successful bidder shall give his telephone number and address to the company 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 shall keep himself present through the work hours.

3. Persons below the age of 18 years shall not be deployed for the said work.
4. No female worker shall be employed in the night shift between 07.00 p.m. to 6.00 am.
5. Identity cards as prescribed under the factories Act/Shops and establishment Act (As the case may be applicable) with Photo affixed thereto, for identification.
6. The successful bidder shall maintain a valid Labour license under the contract labour (regulation and abolition) Act for employing necessary manpower required by them. In absence of such license, the contract shall be liable to be terminated without assigning any reason thereof.
7. The successful bidder shall at his own expenses comply with all labour laws and keep the PGVCL indemnified in respect thereof. Some of the major liabilities under various labour and industrial laws which the Contractor shall comply with below conditions.

Payment of contribution by way of employer's contribution towards provident fund, administrative charges etc. at the rates made applicable from time to time by the Government of India / Government of Gujarat or other statutory authority.

Payment of deposit in respect of each contract labour at the prevailing rate with the office of the commissioner of labour as per the Contract Labour (Regulation and abolition) Act.

License fee as prescribed under the contract labour (Regulation and abolition) Act rules framed there under depending upon the number of workmen.

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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.

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

Payment of compensation in case of accidental death or injury as per Employee's compensation Act.

Maternity leave as per the provisions of the Maternity Benefit Act.

In case, PGVCL becomes liable to pay any wages or dues to any manpower deployed or any government Contractor under any of the provisions of the Minimum wages act, Payments of wages Act, Employee's compensation Act, Contract Labour regulation abolition Act, Employee provident fund or any other law due to act of omission of the Contractor, the PGVCL may make such payment and shall recover the same from the successful bidder's Bill.

If the PGVCL is caused to pay under any law as a principal employer such amount as may be necessary to cause of observe, or for non-observance of the provisions stipulated in the notifications/byelaws/Acts/Rules/Regulations/ including amendments. If any, on the part of the Contractor, the PGVCL shall have the right to deduct any money due to the successful bidder under this contract or any other contract with the PGVCL including his amount of security deposit for adjusting the payment. The PGVCL shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the PGVCL.

8. Employee's compensation fund and employer's liability insurance: -

The successful bidder shall cover all his employees under employee's compensation fund and under the liabilities insurance. The Contractor will arrange insurance policies for arranging payment to his staff injured / met with accident (Fatal / nonfatal) on duty of sufficient amount as per Labour laws. In case of any such happening Contractor will be liable for any other payment to workers / staff engaged as per existing rules. Contractor will not make any such payment to the Contractor's staff or any compensation etc. during the pendency of the contract.

9. Following Salient features of some major laws are applicable to establishments engaged.

1. Employee PF and Misc. Provision Act 1952
2. Payment of Gratuity Act 1972
3. Maternity Benefit Act 1951
4. Equal Remuneration Act 1979
5. Payment of Bonus Act 1965
6. Industrial Dispute Act 1947
7. Industrial Employment (Standing orders) Act 1946
8. Trade Union Act 1926
9. Employees compensation Act 1923
10. Contract Labour (Regulation and abolition) Act 1970
11. Child Labour (Prohibition and regulation) Act 1986
12. Inter-state migrant workmen's (Regulation of Employment and conditions of service) Act 1979
13. Minimum wages Act 1948
14. Payment of Wages Act 1936
15. Factories Act 1948

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16. Shops and Est. Act 1948
17. The Employees' State Insurance Act and the scheme , 1948
18. 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 GOI-GOG, which the Contractor shall have to comply with.
10. It should be ensured that before commencing the said work, the successful bidder should submit the details of their labourer such as a full name, address and age with proof and subsequently changes of workers details are submitted accordingly.
11. The successful bidder shall employ adequate number of an experienced staff at site for daily supervision and for maintenance of various register and records required under the law and contract. No payment for supervision shall be admissible.
12. PGVCL does not accept any responsibility as Factory Act, Minimum Wages Act, Workmen's Compensation Act, Insurance Rules etc. or any other act, rules or regulations that have to be observed by the contractor for carrying out the work.
13. The contract will be governed by the company as per works terms & conditions of the company.

14. EMPLOYMENT OF LABOUR:

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

Contractor shall maintain a valid labour license under the Contract Labour (Regulation and abolition) Act for employing necessary manpower required by him. In the absence of such a license, the contract shall be liable to be terminated without assigning any reason thereof. Contractor should also employ qualified and experiences persons as per requirement of Electricity Act and rules for carrying out supply and erection work under this contract.

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

15. PROVIDENT FUND AND FAMILY PENSION SCHEME

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

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16. DEPOSIT LINKED INSURANCE SCHEME

The contractor shall have to deposit 1.2% of the wages in respect of employees who are members of the Provident Fund as the contribution to the Deposit Linked Insurance Scheme with Regional Provident Fund Commissioner, Rajkot.

17. ADMINISTRATIVE CHARGES

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

18. PAID LEAVE FACILITY

Paid Leave Facility at the rate of one day for every twenty days worked by the Contract Labour shall be provided by the Contractor to his, workers. He shall maintain Leave Records, Leave Cards for individual labourer which shall be duly verified, approved and certified by the Authorized Officer of PGVCL. Remuneration for such leave period shall be fully borne by the Contractor.

19. Workmen's Compensation and Employer's Liability Insurance

Insurance shall be affected for all the Contractor's employees engaged in the performance of this contract.

20. Wages to be Paid & Time of Payment etc. by the Contractor

The Contractor shall pay minimum wages per day to his Labours/ Workers as per rates fixed under the Minimum Wages Act. The wages of every Contract Labour employed by him under this contract shall also be paid by him before the expiry of 7th day from 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).

Any default will result in cancellation of contract forthwith or else the Contractor shall be punishable to the extent of Rs. 100/- for each day of default.

The Contractor shall give his Addresses, Telephone Number and etc. to PGVCL, so that, in case of labour trouble etc. the Contractor can be contacted. The Contractor shall arrange to have his office within working area and the contractor keep himself present throughout the working hours.

The separate P.F. code issued from RPFC is required to be taken by the contractor and if it is not taken, offer of the firm will not be considered. The attested documentary evidence to be submitted along with the offer.

The contractors who are having separate P.F. Code No. from RPFC, it should be ensured that all the contract labourers are covered under the provident fund scheme and employees' pension scheme and their contributions are remitted regularly to the concerned RPFC. The photo copies of the Chelan in this regard should be collected from the concerned contractor and kept in the file of the concern contractor.

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21. CONTRACTOR TO INDEMNIFY THE COMPANY

The successful bidder shall indemnify the Company and every member officer and employees of the Company, also engineer in charge and his staff against all actions, proceedings, claims of demands, costs and expenses, which may be made against the Company or Government for or in respect of or performance of his obligation under the contract documents the Company shall not be liable for or in respect of or in consequence of any accident or inquiry to any workman or other person in the employment of the contractor or his sub-contractor and the contractor shall indemnify and keep indemnified the Company against all such damage and compensation and against all claims, demands, proceedings costs, charges and expenses whatsoever in respect thereof in relation thereto.

22. INSURANCE:

The Bidder's insurance liabilities pertaining to the scope of Works are detailed out in Clauses titled Insurance Bidder's attention is specifically invited to these clauses. Bid price shall include all the costs in fulfilling all the insurance liabilities under the Contract.

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

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

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24. The perils required to be covered under the insurance shall include, but not be limited to fire and allied risks, miscellaneous accidents (erection risks) workman compensation risks, loss or damage in transit, theft, pilferage, earth quake, riot and strikes and malicious damages, civil commotion, weather conditions, accidents of all kinds, etc. The scope of such insurance shall be adequate to cover the replacement/reinstatement cost of the equipment for all risks up to and including delivery of goods and other costs till the equipment is delivered at Site. The insurance policies to be taken should be on replacement value basis and/or incorporating escalation clause. Notwithstanding the extent of insurance cover and the amount of claim available from the underwriters, the Contractor shall be liable to make good the full replacement/rectification value of all equipment/materials and to ensure their availability as per project requirements.
25. All costs on account of insurance liabilities covered under the Contract will be on Contractor's account and will be included in Contract Price, However, the PGVCL may from time to time, during the pendency of the Contract, ask the Contractor in writing to limit the insurance coverage, risks and in such a case, the parties to the Contract will agree for a mutual settlement, for reduction in Contract price to the extent of reduced premium amount. The Contractor, while arranging the insurance shall ensure to obtain all discounts on premium which may be available for higher volume or for reason of financing arrangement of the project.
26. The clause entitled 'Insurance' covers the additional insurance requirements for the portion of the works to be performed at the Site.
27. The successful bidder will not be allowed to work after working hours except in special case, if any.
28. The successful bidder has to engage required strength of skilled persons for execution of work and proper supervisor to avoid complication and unnecessary delay to complete work timely. The successful bidder will be solely responsible for labour claims arising out of the labour employed for this job.
29. The successful bidder should furnish details of past experience of such job of similar nature completed by him satisfactorily within the time limit in PGVCL will be preferable.
30. The successful bidder will be abide by and fulfil all the terms and provisions of the "Tender and contract" for works as applicable and in case of any default there to the PGVCL Company shall forfeit the S.D. or any other action as may be decided by Superintending/Executive Engineer PALITANA Division.
31. **The successful bidder will certify that he has complied with the provisions of Industrial & Labour Laws including PF Act, ESI Act etc. as may be applicable. Copy of challans of PF related to be submitted along with bill.**
32. The successful bidder will governed by the PGVCL general conditions of works contract. The Booklet will be available in the concerned office in any working days. In the event of placing order, the successful bidder will be bound to the terms & conditions of the booklet. All the usual terms and conditions of the Company though the same might have not been mentioned in this specification or contractor booklet will applicable to this contract, and the decision of the Executive Engineer, PALITANA Division shall be binding on the Contractor.

Date:

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SECTION V TAXES and Duties: GST

1. The prices are excluding GST and Cess as applicable which will be paid extra on a given taxable goods and/or services. The amount and % of GST and Cess as applicable should clearly be indicated separately. (GST/Cess means all applicable Tax/Cess under GST Laws.
2. GST Laws means IGST Act, GST (Compensation to the State for Loss of Revenue) Act, and CGST Act, UTGST Act and SGST Act, 2017 and all related ancillary legislations).
3. Contractor shall have to submit a C.A Certificate & duly authorized Signatory, 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.
4. 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.
5. If the 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.
6. Contractor should charge GST in Invoice at the rate as agreed to/mentioned in acceptance of tender only and any deviation in the same shall not be accepted. Further, any additional liability of GST (later on due to wrong mentioning of GST rate, mis-interpretation of HSN/SAC Code, etc.) over and above as charged in the invoice shall be borne by the Supplier/Contractor. However, any refund received by the supplier / contractor on account of GST charged from the company; such refund shall have to be passed on to the company, along with interest if any. Such refund along with interest needs to be passed on suo-moto by the contractor.

Date:

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7. 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.

8. 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 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. PGVCL's GST Registration No.is **24AADCP1453C1ZZ**

9. TAXES, PERMITS & LICENCES:

The Contractor shall be liable and pay all foreign taxes, duties, levies lawfully assessed against the PGVCL or the Contractor in pursuance of the Contract. In addition the Contractor shall be responsible for payment of all Indian duties, levies and taxes lawfully assessed against the Contractor for his personal income & property only.

10. Income Tax -TDS

"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, however added as contractor has to submit separate invoice for supply parts item as well as works part item separately, otherwise TDS will be deducted on entire invoice value."

11. Applicable welfare cess will be deducted from contractors each bill by PGVCL to pay the same to the respective Govt. Department. Tax will be deducted as per applicable statutory rules.

12. Statutory Deduction

Statutory deduction will be made as per applicable rules & rates for TDS, GST TDS, welfare cess or any other taxes applicable time to time etc. All other statutory liabilities towards this contract will be on your part.

11. STATUTORY VARIATION

Any statutory increase in the taxes subsequent to your offer if it takes place within the contract period will not be considered **except GST**. No statutory variation will be given for this work **except GST**.

12. The Contractor shall be fully responsible for deducting the P.F. of the employees/labour Working under him as per statutory regulations and depositing the same with the concerned authorities.

13. The Contractor shall comply with the relevant laws of India.

14. ACCIDENTS:

The Contractor shall be liable for and shall indemnify the Employer against all losses, expenses or claims arising in connection with the death of or injury to any person employed of the Contractor or his subcontractors for the purposes of the Works.

Date:

Sign & Stamp of the Bidder

SECTION VI: TERMS AND CONDITIONS for successful bidders

1 GENERAL

The successful bidder shall be deemed to have carefully examined all the papers, drawings, etc. attached & if has any doubt as to the meaning of any portion of any condition / specification, etc. he shall before signing the contract submit the particulars thereof to PGVCL in order that such doubts are removed.

The successful bidder shall not, without the consent in writing of PGVCL, transfer, assign or sublet the work under this contract or any substantial part thereof to any other party.

1.3 . The execution of work should be commenced as per the instruction of the Engineer in Charge as per actual requirement and should be completed within the time limit thereafter.

PGVCL may at any time by notice in writing to the successful bidder either stop the work altogether or reduce or cut it down. If the work is stopped altogether, the Bidder shall only be paid for work done. If the work is cut down the Bidder shall not be paid for the work as so cut down, but in neither case shall be paid any compensation what so ever for the loss or profit which he might have made if he had been allowed to complete all the work included in the contract.

Notices, Statements and other communications sent by PGVCL through registered post or telegram or telex or any other way of communication to the successful bidder at his specified address shall be deemed to have been delivered to the successful Bidder.

11. The work shall be carried out by the successful bidder with prior approval of PGVCL. Work carried out without PGVCL's approval shall not be accepted and the PGVCL shall have right to reject it and to recover the cost from the successful bidder. He will be liable against all losses, expenses or claims arising in connection with the death of or injury to any person employed by the successful bidder or his subcontractors for the purposes of the Works.

The successful bidder shall be responsible for any damage to the equipment during transit due to improper or inadequate packing, handling, loading and unloading. The cases containing easily damageable material shall be very carefully handled. Adequate protection must be provided for outdoor storage at site in tropical humid climate, wherever necessary. The successful bidder without any extra cost shall supply any material found short inside intact store area.

If the successful bidder neglects to execute the work with due diligence and expedition or refuses or neglect to comply with any reasonable orders within two days' notice given in writing to the successful bidder and if he fails to comply with the notice, then in such a case PGVCL shall be at liberty to get the work or any part of it, executed through any other agency/Bidder in the manner and on the terms it thinks proper. If the cost of executing the work as aforesaid shall exceed the balance due to the Bidder, and the Bidder fails to make good the deficiency, PGVCL may recover it from the Bidder in any lawful manner.

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- PGVCL shall have at all reasonable time access to the works being carried out by the Bidder under this contract and **stores where material issued by PGVCL is stored**. All the works shall be carried out by the Bidder to the satisfaction of PGVCL.
- The quantities mentioned in the accompanying schedule B are only approximate same may decrease or increase. The PGVCL reserves the right for revising or omitting any of the quantities. The actual work executed by the successful bidder will be calculated at the rate given in the contract schedule of the rates binding to the successful bidder.
- No higher rate or revised rate will be application for the work, if work is held-up/closed due to whatever so reasons.
- Price shall not be changed subject to any upward/downward revision on any account whatsoever through the period of contract.
- All other general terms and conditions as prevailing in the PGVCL shall be applicable to this work contract.
- The successful bidder has to co-ordinate and co-operate fully with Engineer In Charge and for execution of the works.
- Either successful bidder or successful bidder's authorized person should contact our Engineer In Charge as well as Division Office, PALITANA daily for the availability of materials required for this work, failing to which this work order shall be terminated without giving any notice.
- The successful bidder has to maintain site register covering all aspects of material received/utilized/dismantled for day to day work and has to obtain signature of Engineer In Charge.
- In case of any dispute doubt, the decision of Superintending/Executive Engineer PALITANA Division shall be unchallengeable and final, which will be binding to the contractor.
- **Security Deposit (without any Interest) will be refunded after completion of guaranteed period if any.**
- All legal complication of disputes is subject to PALITANA jurisdiction only.
- A fresh and valid solvency certificate to the extent of 20% of the ordered value will have to be produced by the contractor and party has to submit attested copy of solvency certificate to the company before commencing of work.
- The successful bidder will be solely responsible for any accident/damage either to equipment or any human being during the time of execution of work.
- 1.21 Prior institution in writing for starting the job will be given by PGVCL for the work.
- The successful bidder will have to make his own arrangement for required all kinds of tools, tackles, required for the execution of work.
 - The cost of damages, if any will be recovered from the successful bidder's bill. The assessment of which will be done by Engineer In Charge in consultation with division office, and his sole discretion and his decision shall be binding to the successful bidder and shall be considered as final and unchallengeable.

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- The successful bidder will have to give **indemnity bond** to PGVCL against any possible claim of compensation for damage to Contractor's equipment or staff or any of third parties during the execution of work as per attached format.
 - The successful bidder will have to complete entire work, as mentioned in Schedule-B of contract awarded to him, as per directive and instruction of Engineer In Charge. If he fails to do so entire work will be carried out at the risk and cost of Contractor.
 - The contractor must engage sufficient knowledgeable person round the clock, exclusively for execution of work.
 - Specification in any items mentioned in tender are subject to change without any prior notice and binding to the contractor.
 - The PGVCL shall deduct the Income-Tax and other taxes as per prevailing rules of all relevant Govt. Authorities from the bill.
 - If the work is required to be carried out during fix outage then the successful bidder has to deploy adequate man power, material, tools etc. well in advance and has to complete the entire work during this specific outage period only, failing to which Company shall be at liable to deduct the amount of revenue loss due to prolong outage.
 - The tender include all minor accessories and items of work which may not have been specifically mentioned in the specification / Schedule etc. but are essential for completion of work. The contractor will **not be eligible for any extra payment** in respect of such minor accessories and item of work.
 - The successful bidder shall not refuse to execute the work order at any time and it will be his sole responsibility to execute and complete this work as per the instruction of Engineer In Charge.
 - For shortage of any materials issued by the PGVCL for the work, recovery shall be made from you, on the basis of prices of the materials (prevailing on the date of settlement of materials account) plus 15% supervision charges.
 - The successful bidder has to carry out all the works in accordance with revised and latest provision under I.E. Rule Act made there under and as per instruction of Engineer In Charge.
 - All the materials issued by PGVCL shall be transported to the work site on same day and to be preserved in safe custody failing to which PGVCL shall initiate Police action. Similarly as per instruction of Engineer In Charge, you have to credit the material at PGVCL store without any loss of time failing to which PGVCL shall initiate Police action.
 - Any delay causing extension of outages shall be successful bidder's responsibility and appropriate amount (in term of Rupees) as decided by Superintending/Executive Engineer, PALITANA Division shall be recovered from successful bidder's bill as a penalty with applicable GST.
 - No tools, tackles, manpower, crane facilities etc. will be provided by the PGVCL.
 - The contractor has to follow all labour laws, safety rules and regulations. The PGVCL does not take any responsibility in case of accident or injury to the workers. The safety, security of men, materials and equipment shall be sole responsibility of the contractor.

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- The compliances of all Central / State Govt. Rules, safety and insurance rules etc. and that of local body is a must condition for the successful bidder. 1.39The successful bidder shall specifically note that PGVCL will not pay any extra amount towards any type of claim except for the description indicated in Schedule –A. The party has to carry out all other additional required activities
 - / work as directed by Engineer In Charge which is not mentioned in Schedule but required to be completed as per the site condition and for this work no extra payment shall be made by PGVCL.
- The contractor should employ as a Supervisor with sufficient qualification and experience who could supervise the execution of work throughout. He should **always** be present on the site.
- The contractor shall be responsible for breakages, losses and a theft of material during transit or erection after the materials issued from the stores till the completion of work and is taken over by the PGVCL.
- As regard damages to the materials, equipment, successful bidder himself will be responsible. If there is any compensation to be paid in respect of “WORKMAN” Compensation Act or any other statutory provisions, the same will be paid by contractor directly. If he thinks fit, he may take necessary insurance covering at his cost.
- The successful bidder shall co-operate with the PGVCL for taking measurement etc. as early as possible and he shall fulfil the entire requirement which is necessary to finalize the accounts.
- The competent authority can delete any item in schedule of the tender if he feels that the rate quoted by the contractor for the item is abnormally high when compared to the estimated rates.
- The successful bidder shall not refuse to execute this work order at any time and it will be his sole responsibility to execute and complete this work as per the instruction of Engineer In Charge.
- The erection work should be carried out according to the specification as per instructions and programmed laid out by the Engineer in charge. Contractor has to ensure safe shifting and erection of all accessories / equipment as per standard norms.
- The Bidder shall not display the photograph of the work and shall not take advantage through publicity of the work without written permission of PGVCL.
- The inspection as mentioned in above clause No. 6 of this section by PGVCL's representative shall not relieve the successful bidder from full responsibility of completing the work confirming to the requirement of this contract.
- Under the Contract, the Contractor shall be responsible for loss or damage to the line and Electrical Equipment until the successful completion as defined elsewhere in the Bid document.
- All demurrage, wharf age and other expenses incurred due to delayed clearance of the material or any other reason shall be to the account of the Contractor.

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The law applicable to the contract shall be the laws in force in India. The courts of Rajkot shall have exclusive jurisdiction in all matters arising under the contract.

2 PRICE EVALUATION:

No price preference shall be given on any account. All tenders must be submitted firm price basis (Inclusive of all Taxes) and lowest evaluated bid in the interest of the PGVCL, for the complete works covered under these specifications and documents.

If more than one party is to be considered for placement of order, they will have to match their end cost with end cost of L-1 technically acceptable bidder. PGVCL (tender Inviting Authority) may go to the L-2, L-3 and so on depending upon the requirement. If PGVCL (tender Inviting Authority) feels that there is lack of serious competition or any other reasons, PGVCL (tender Inviting Authority) may negotiate with the L-1 party. PGVCL's (tender Inviting Authority) decision shall be final and binding on all the parties.

3. QUANTITY DISTRIBUTION

For Erection & Maintenance work of HT/LT/TC:

- The Contractors whether non-experienced / New or experienced / Regular who have confirmed /fulfilled pre eligibility criteria , as mentioned in Section 1 sr No 2 , will only be considered for price evaluation. PGVCL will not consider the, price bid of any contractor who does not confirm / fulfil the eligibility criteria as mentioned in Section 1 sr No 2.
- While placing the order, the quantity distribution to each new contractors / new firms shall be restricted up to 30 % of the tender amount/Qty. for all such new bidders provided the price of New contractor is lower than the regular/experienced contractor. New contractor / new firm will be considered as a regular contractor only after full filing experience criteria as mentioned in Bidders qualifying criteria as per point no. 2 in Section I.
- The new contractor will be asked to match the L-1 prices of the new contractor only and the Regular contractor has to match the L-1 price of the Regular/experienced contractor only.
 - But if there are no Regular contractor OR if the rate of Regular contractor is very high, the above condition no. 2.11 shall be suitably relaxed by PGVCL. L-1 regular contractor however will get heavy weight age in order placement.
- **For laying of Under Ground Cable work:**
- While placing the order, the quantity distribution to each new contractors / new firms , Section 1 sr No 2, shall be restricted up to 10 % of the tender amount/Qty. for all such new bidders provided the price of New contractor is lower than the regular/experienced contractor. New contractor / new firm will be considered as a regular contractor only after full filing experience criteria as mentioned in Bidders qualifying criteria as per point no. 2 in Section I.

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- The new contractor will be asked to match the L-1 prices of the new contractor only and the Regular contractor has to match the L-1 price of the Regular/experienced contractor only.
- But if there are no Regular contractor OR if the rate of Regular contractor is very high, the above condition no. 2.21 shall be suitably relaxed by PGVCL. L-1 regular contractor however will get heavy weight age in order placement. The Contractors who have confirmed /fulfilled pre eligibility criteria will only be considered for price evaluation. PGVCL will not consider the price bid of any contractor who does not confirm / fulfil the eligibility criteria. L-1 regular contractor however will get heavy weight age in order placement.

4 IDENTIFICATION OF SITE:

Details of each location shall be made available through Executive Engineer of each concerned Divisions under above locations. The planning for each location has to be prepared in consultation of the Deputy Engineer of the concerned Sub Division under whose control the work is allocated. The work must be carried out under Supervision of concerned S/dn Head or Authorized Staff appointed by SDO.

5.ALLOTMENT OF MATERIAL AND ITS STORAGE

Required material for the work as per Schedule shall be allotted from any store Centres of PGVCL jurisdiction and successful bidder has to take delivery from these stores at his own only.

6. Contractor will be issued only 3 (Three) Sub work orders at a time. He will be issued Fourth Sub Work Order only after the submission of Inventory sheet with sketch and material account statement for any of the three previously issued Sub Work Orders.

7. . TAKING DELIVERY AND INSURANCE:

- a. The contractor has to keep all materials in safe custody and transport to the respective sites and will be fully responsible for any damage to or loss of all materials at any stage during transportation or erection till taking over by PGVCL
- The Contractor has to open site store/s (Maximum Two Nos.) and ensure for safe custody of all the stored materials at his own cost. Material which is to be allotted by PGVCL is to be carted, loaded and unloaded at Bidder's cost and risk from PGVCL's respective Stores. PGVCL must have access to such Store/s at any time of Day thought the contractual period and Contractor will cooperate for verification of such store/s and Inventory accounting. Failing to which actions may be initiated after issuance of required Notice to the Contractor. Store address/s is to be mentioned in the "General information about the Bidder" under Section I of this Tender.
 - The Contractor shall have total responsibility for the entire materials stored, loose, semi assembled and/or erected by him at site in his custody. The Contractor shall make suitable security arrangements at his own cost to ensure the protection of all materials, equipment and works from theft, fire pilferage and any other damages and loss. It shall be the responsibility of the contractor to arrange for security till the works are finally taken over by the PGVCL

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- **STORAGE-CUM-INSURANCE:-**

- The contractor shall take suitable storage-cum-erection insurance cover at his cost to the extent of 100 % cost of materials, which are required to complete the work. Contractor shall have to take comprehensive insurance policy equivalent to the Order Value against any loss, damage, theft, pilferage, fire etc. for the complete period of storage, erection and commissioning up to the time of taking over by PGVCL. The Contractor shall deal directly and pursue the claim with the Insurance Company and shall be responsible in regard to maintenance of all insurance coverage as well as for settlement of claim. The proof of insurance policy taken by the successful Contractor shall be furnished to Engineer-In-Charge. In absence of the above insurance policy, R.A. Bill payment will be withheld.
- In the event of any damage, theft, loss, pilferage, fire etc., Contractor will be responsible to lodge, pursue and settle all the claims with the Insurance Company for all items, materials and the PGVCL shall be kept informed about it. Contractor shall replace the lost / damaged materials / items promptly irrespective of the settlement of the claims by underwriter and ensure that the work progress is as per agreed schedule. The loss, if any, such replacement will have to be borne by the Contractor and PGVCL will not entertain any claim / representation in this regard. However it will be contractor's responsibility to insure the entire project is taken over by the PGVCL.

8.Account of material issued

- The successful bidder shall have to maintain accurate day to day item wise account of use of issued materials which shall be got checked from time to time by the Engineer In Charge of the Company. The contractor will be responsible for custody and preserving the issued materials till the work is hand over by the contractor after completion.
- The successful bidder has to maintain site register, covering all the daily details of material receipt and utilization, progress of work etc. This register shall be checked and signed by Engineer In Charge/Deputy/Executive Engineer, PALITANA Sdn/Division during the site visit as per requirement and exigency of work if deem fit.
- After completion of the work against each Sub Work Order, all the surplus materials issued by the PGVCL shall be returned by you to the respective divisional /Regional stores only at contractor's cost. Do not credit this material in S/Dn store.

9. Work Completion Period:

In the event of placement of order, successful bidder shall have to complete the ordered work within 365 Days from the Date of issue of Work Order.

- **Time limit of Each sub work order should not be maximum up to 60 Days.**

WORKING DAYS: -

In case, it is not possible for the successful bidder to continue the work either due to heavy rains or other reasonable causes, such facts should be immediately brought to notice of the Engineer In Charge. If the reasons for stopping the work are genuine the Engineer In Charge may ask the successful bidder to start the work again as per condition. The period of such stoppage will not be considered as a part of working days moreover the successful bidder cannot claim compensation for such stoppage.

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PROGRESS OF WORK

You will have to submit fortnightly progress report regularly in duplicate to Engineer In Charge and Executive Engineer_PALITANA. If found that the work is unsatisfactory or not progressing as per schedule then any action would be taken by the PGVCL as may deemed fit to see that work is completed at the risk and cost of contractor. **The completion time allowed for each Sub work Order shall be strictly observed.**

- 10. Time limit extension will be given, as per Clause No. 12 of this section, if material is not supplied in time and in any case of objection not cleared in time. But if materials given in time and there is no any objection, then no time limit extension will be granted and penalty with applicable GST will be imposed as per rules.**

11. CHANGE OF QUANTITY

- b. During the execution of the Contract, the PGVCL reserves the right to increase or decrease the quantities of items under the Contract but without any change in unit price or other terms & conditions. Such variations unless otherwise specified in the accompanying GCC and/or Technical Specifications, shall not be subjected to any limitation for the individual items but the total variations in all such items under the Contract shall be limited to the extent of 30% (Thirty Percept) of the contract price by way of suitable amendment to the contract.
- The Contract price shall accordingly be adjusted based on the unit rates available in the Contract for the change in quantities as above. The base unit rates, as identified in the Contract shall however remain constant during the currency of the Contract, In case the unit rates are not available for the change in quantity, the same shall be subjected to mutual agreement.

As this is an EPC contract, engineering work will be done by the Contractor. Responsibility of material will be that of the contractor.

12. Penalty with GST:

Penalty with GST is levied on the **time limit of Sub Work Orders**. If the work is not completed within the scheduled period as prescribed in **Sub Work Order**, penalty + GST at the rate of 0.5 % per week or part thereof on delayed portion subject to maximum up to **10 %** of the **sub work order Value with GST as per applicable rate**. This will be deducted from the bills payable either against this contract or any bank guarantee or any other amount payable under any other contract with the PGVCL. For Penalty calculations or Time limit Extension, following points are to be observed.

- Start Date of Sub Work Order for Penalty Calculation will be the **Day/Date on which the first material is issued against the Sub Work Order**.
- If material is not available in respective stores then "NO STOCK" stamping by Store In-charge/Store Keeper must be taken against the particular item by the contractor.
- In Case of non-availability of Material, contractor must visit the respective store **every fortnight** and **no stock** material details are to be submitted to respective Executive Engineer and concerned SDO.

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- TLE of Sub work order can be granted on the basis of above such documents produced by Contractor.
- Time limit Extension must be given as per F & A Letter No. PGVCL/F&A/5083/14-06-2017 and PGVCL/F&A/745/11-06-2018.
- At the time of submission of Bill against SWO, all such Documents are to be submitted by contractor for waiver of Penalty if applicable.
- Time limit of Annual Work Order should be maximum up to 365 Days.

13. During the execution of Work, if Contractor/Labour are found violating OR Breaking the Safety rules and Regulations, then Engineer-in-Charge will serve the **warning Notice on first Instance**. On **second Instance** the amount of Fine will be **Rs. 500.00 or 0.1 %** of amount of SWO (Whichever is high). Even If after above two instances, still Contractor found breaking of Safety Rules and Regulations then Procedures for **Stop dealing** must be initiated against him as per rules and regulations.

14. Payment terms shall be as follows:

Payment will be made against Invoice value and shall be paid against actual execution. The bills should be submitted in Duplicate to respective Superintending/Executive Engineer, Circle/Division Office along with following documents:

- Measurement Report of each site by PGVCL authorized inspection Officer (not below the rank of Deputy Engineer)
- Material Accounting for work duly certified by Engineer-in-charge
- Work Completion Certificate duly signed by Contractor for which the Bill is submitted.
- **Copy of Insurance Policy against the Material equivalent to the Order Value as per Tender Condition No. No.7 under this Section.**
- **Contractor must submit the above documents within Fifteen (15) Days from the actual date of completion of work to respective S/dn Office.**
- **DOP is to be followed for Payments against the Work Orders.**
- R.A. Bill shall be paid by the PGVCL, if it satisfy with the output of works otherwise only final bill shall be paid.
- The time limit for the work may be reduced and contractor should make all his efforts to complete the work within stipulated time limit as may be given by the Engineer In Charge depending upon emergency of work.

15. FORCE MAJEURE:

- Force Majeure means any circumstances beyond the control of the parties including:
 - War and other hostilities, (whether war be declared or not), invasion, act of foreign enemies, mobilization, requisition or embargo;
 - Rebellion, revolution, insurrection, military or usurped power and civil war;

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- Ionizing radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive, or other hazardous properties of any explosive nuclear assembly or nuclear components thereof;
- Riot, commotion or disorder, except where solely restricted to employees of the Contractor.
- Neither party shall be considered to be in default or in breach of his obligations under the Contract to the extent is that performance of such obligations prevented by any circumstances of Force Majeure that arise after the date of the Notification of Award.
- If either party considers that any circumstances of Force Majeure have occurred which may affect performance of his obligations he shall promptly notify the other party.
- Upon the occurrence of any circumstances of Force Majeure, the Contractor shall endeavour to continue to perform his obligations under the Contract so far as reasonably practicable. The Contractor shall notify the Engineer-in-Charge of the steps he proposes to take including any reasonable alternative means for performance, which are not prevented by Force Majeure. The Contractor shall not take any such steps unless directed so to do by the Engineer-in-Charge.
- If circumstances of Force Majeure have occurred and shall continue for a period of 180 days, notwithstanding, the Contractor may by reason thereof, having been granted an extension of Time for Completion of the Works, either party shall be entitled to serve upon the other, 30 days' notice to terminate the Contract. If at the expiry of the period of 30 days Force Majeure shall continue, the Contract shall terminate.

16 TESTING & COMMISSIONING:

The successful bidder will ensure that completion of execution of work i.e. all works connected with line having been completed correctly as per Indian Electricity Rules & procedure. Any extra cost involved due to incompleteness of work or bad workmanship found out subsequently shall be set right with and by you at your own cost.

17 HANDING OVER OF ASSET

After successful completion of the lines and Transformers or any other electrical equipment the entire newly created network is to be handed over to the concern Deputy Engineer of PGVCL. The handing over note covering the details of all the materials used and total work executed must be signed jointly by the bidder and PGVCL Engineer. Copy of handing over note must be attached along with bill.

The contractor shall arrange to hand over the complete work immediately on completion of entire work.

18 Recovery

If some material/Item is not installed/fixed for allotted work and as per SOR by contractor due to non-availability of particular item/material for long period of time and TLE cannot be approved for that work beyond certain time limit Or such item if not required to be installed at particular location, then Recovery is to be made as mentioned below for not carrying out that work from SWO issued for that work.

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- Empty Wooden Drum (Assorted Sizes): Rs. 325.00 per Drum

All work other than above must be completed by contractor and No any other Recovery should be made other than above Work.

19. CONTRACT QUALITY ASSURANCE:

The Bidder shall include in his proposal the Quality Assurance Program containing the overall quality management and procedures which he proposes to follow in the performance of the Works during various phases as detailed in relevant clause of the General Technical Conditions.

At the time of Award of Contract, the detailed Quality Assurance Program to be followed for the execution of the Contract. PGVCL reserve the right to inspect the work at any stage of contract i.e. during the execution and after the execution of work.

The Bidder shall clearly specify the list of sub-vendors from whom the bought out items (if any) are being supplied. Such details shall be accompanied by their list of previous supplies made performance reports etc. However, in case of orders are placed, specific approval shall be obtained from the PGVCL for the vendor supplied materials. The quality assurance program shall be furnished for each material separately for approval.

20. TERMINATION OF CONTRACT ON PGVCL'S INITIATIVE

In case of any type of misappropriations, cheating or intention of cheating, frauds, irregularities, malpractice, etc. the Managing Director PGVCL reserves the right to cancel the order without giving reasons thereof and forfeit the security deposit.

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

The Contractor upon receipt of such notice, as per point no.19.2 above, shall discontinue the work on the date and to the extent specified in the notice, make all reasonable efforts to obtain cancellation of all orders and Contracts to the extent they are related to the work terminated and terms satisfactory to the PGVCL, stop all further sub-contracting or purchasing activity related to the work terminated, and assist PGVCL in maintenance, protection, and disposition of the works acquired under the Contract by the PGVCL. In the event of such a termination the Contractor shall be paid compensation, equitable and reasonable, dictated by the circumstances prevalent at the time of termination.

If the Contractor is an individual or a proprietary concern and the individual or the proprietor dies and if the Contractor is a partnership concern and one of the partners dies then unless the PGVCL is satisfied that the legal representatives of the individual Contractor or of the proprietor of the propriety concern and in the case of partnership, the surviving partners, are capable of carrying out and completing the Contract the PGVCL shall be entitled to cancel the Contract as to its in completed part without being in any way liable to payment of any compensation to the estate of deceased Contractor and/or to the surviving partners of the Contractor's firm on

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account of the cancellation of the Contract. The decision of the PGVCL that the legal representatives of the deceased Contractor or surviving partners of the Contractor's firm cannot carry out and complete the Contract shall be final and binding on the parties. In the event of such cancellation the PGVCL shall not hold the estate of the deceased Contractor and/or the surviving partners of the estate of the deceased Contractor and/or the surviving partners of the Contractor's firm liable to damages for not completing the Contract.

21. ARBITRATION:

Any question, dispute or difference whatsoever arises between PGVCL and Bidder, in connection with this agreement except as to matters, the decision for which has been specifically provided, either party may forthwith give to the other notice in writing of existence of such questions, dispute, difference and the same shall be referred to the sole arbitration of a person nominated by Managing Director, PGVCL. This reference shall be governed by Indian Arbitration Act prevailing at the time of dispute and the rules made there under. The award in such arbitration shall be final and binding on all the parties. Work under the agreement shall continue during the arbitration proceedings unless the PGVCL or the Arbitrator directs otherwise.

22. SECRECY:

The technical information, drawings, specifications and other related documents forming part of the enquiry or Contract are property of PGVCL and shall not be used for any other purpose, except for the execution of the contract. All rights related to the technical specifications, drawings and records are reserved by PGVCL only and no part or partial should be reproduced, copied or alter without prior permission to PGVCL in writing. In the event of the breach of this provision, PGVCL can claim the damages caused by such events.

23. Stop Dealing:

Bidder/Contractor shall be put under Stop Deal due to following reasons.

- Has submitted fake, false or forged documents/certificates
- Has revised/withdrawn price bid after opening of Techno: commercial bid, until and unless it is sought for
- Has refused to accept Letter of Acceptance/Purchase Order/Work Order after the same is issued by the Company within the validity period and as per agreed terms and conditions
- Has committed breach of contract or has failed to perform a contract or has abandoned the contract
- Has failed to provide suitable expertise for the work as per prescheduled program
- Has failed to submit all the necessary Test reports/documents within time schedule / as per Company's time limit, as mentioned in the LOA, if the Letter of Acceptance (LOA) is placed subject to submission of type reports / documents to the firm.
- Has indulged in construction and erection of defective works.
- Has substituted materials In lieu of materials supplied by the Company or has not returned or has short returned or has unauthorised disposed of materials/ documents/ drawings/ tools or plants or equipment supplied by the Company

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- Has involved in malpractices such as bribery, corruption, fraud, canvassing and pilferage
- Has unauthorised obtained official company information or copies of documents, in relation to the Tender/Contract
- Has failed to follow the stipulated mode of communication, if specified by the tendering authority/ purchaser.
- Any other ground for which in the opinion of the Company makes it undesirable to deal with the Firm, and
- In case the State Government directs the Company to place a firm in stop dealing/ banned for business dealing/ blacklisting
- *The firm, stop deal and/or banned for business dealing and/ or blacklist by GUVNL or any subsidiary Companies of GUVNL shall be considered as a stop deal and/ or banned for business dealing and/ or blacklisting for all Companies.*

24. Effect of putting a proprietor/firm for Stop dealing/Banned for business dealing are as below:

The proprietor/all the partners/directors of the stop deal/ banned for business dealing/ blacklisting firm shall also be considered for stop deal/ banned for business dealing.

Once the name of the firm and/ or proprietor/ partner/ director of the firm appears in the list of Stop dealing / Banned for business dealing in any Company of GUVNL and its Subsidiary Companies,

- (i) No enquiry shall be issued to a firm.
- (ii) No bids / tender shall be considered for evaluation and the bid submitted by the Firm shall be returned.

Action to be taken, when a Firm and/or proprietor/ partner/ director of the firm is put on Stop dealing/ Banned for business dealing by GUVNL or any of its subsidiary Companies, during tender process: -

- (i) Before opening Technical bids, the bid submitted by the Firm will be treated as "Disqualified Bid" and automatically stand as "Rejected Bid" at the time of scrutiny of Preliminary / Technical Bid.
- (ii) After opening Technical bid but before opening the price bid, the price bid of the Firm should not be opened and the bid submitted by the Firm will be treated as "Disqualified Bid" and automatically stand as "Rejected Bid" at the time of scrutiny of Technical Bid.
- (iii) After opening of price bid, the offer of the Firm should be ignored and will not be further evaluated. The Firm will not be considered for issue of order even if its price is the lowest. In this situation, the next lowest bidder shall be considered as L1.
- (iv) The BG/EMD submitted by the Firm with tender should be returned after obtaining confirmation from GUVNL and its other subsidiary Companies that there are no outstanding dues recoverable from the firm.

If a Firm is put on Stop dealing / Banned for business dealing in one Company and is already executing work and/ or Letter of Acceptance/ purchase order awarded to them by another Company, then the firm should be allowed to complete such awarded work / supply.

Date:
Sign & Stamp of the Bidder

- The amount of EMD/SD/ any payment against supply withheld at the instance of GUVNL or any of its subsidiary Companies shall be appropriated against the dues recoverable from the firm by GUVNL or any of its subsidiary Companies. EMD/ SD/ PG in the form of bank Guarantee shall be encashed and appropriated.
- The Stop dealing/ Banned for business dealing shall be Firm- specific and when a Firm is put on Stop dealing/ Banned for business dealing, all the manufacturing works of the Firm shall be on Stop dealing/ Banned for business dealing for GUVNL and its Subsidiary Companies & for all Services of the Firm.
- If the Firm placed on Stop Dealing/ Banned for business dealing is a Proprietary Concern, then all the Concerns of the same Proprietor shall also be considered to be on Stop Dealing/ Banned for business dealing.
- The Board of Directors of the concerned Company may however, if he considers it to be in the interest of the Company, remove the ban in respect of any specific Service from any Contractor for that Company only.

25. Every bidder should, at the time of submission of bid, give a declaration as per **Annexure VI** attached with this Tender, that bidder and/or proprietor/ partner/ director of the firm has not been placed on Stop dealing / Banned for business dealing / blacklisting by GUVNL and it's any Subsidiary Companies.

Date:

Sign & Stamp of the Bidder

SECTION VII:
Annexures/BG/Agreement/Indemnity Bond

TIME SCHEDULE FOR COMPLETING THE WORK
(To be completely filled by the Bidder)

Name of the Bidder	
Office Address	

Sr. No.	Item	Time required for work Mentioned in Tender
1	Labour work for	

Date:
Sign & Stamp of the Bidder

Annexure – I
Details of work experience in last six months
(To be completely filled by the Bidder)

Sr. No.	Name of the Company with full address, phone, fax and name of contact person	Work Description	Ref. & date of the order	Work Order Value	Details of order

- Copies of MAJOR Work orders along with Work completion certificates should be attached with this information.
- If necessary, separate sheet may be used to submit the information

Tender for -----

Tender No: PGVCL/-----

Due On:-

Date:
Sign & Stamp of the Bidder

Annexure – II

**Details of Pending Orders as on Bidding Date
(To be completely filled by the Bidder)**

Sr. No.	Name of the Company with full address, phone, fax and name of contact person	Work Description	Ref. & date of the order	Work Order Value	Reason for non- completion with Certification of Order issuing Authority

- Copies of Resumes and appropriate certifications should be attached with this information.
- If necessary, separate sheet may be used to submit the information.

Tender for -----

Tender No: PGVCL/-----

Due On:-

Date:
Sign & Stamp of the Bidder

ANNEXURE – III

DECLARATION

(Strike off whichever is not applicable)

This is to declare that Mr. /Ms. _____, employee of PGVCL at
_____ (place), is related to our _____
_____ (designation & name).

OR

This is to declare that none of the Proprietors/ Partners/ Directors are having any relatives employed or working with Paschim Gujarat VijCo.Ltd.at any of its offices or its parent Department i.e. Energy & Petrochemicals Dept., Govt. of Gujarat.

Date:

Sign. & Stamp of the Bidder

Annexure - IV

DEVIATION SHEET

Any deviations offered from the terms and conditions of the Offer should be clearly specified below in this sheet. If there are no deviations offered, it should be clearly mentioned on this page.

Deviation offered to Chapter No, Clause No. of the tender document	Deviation offered

Tender for -----

Tender No: PGVCL/-----

Due On:-

Date:
Sign & Stamp of the Bidder

Annexure – V
List of Onsite Testing Facility (For the work of Laying of HT/LT Underground Cable)
(To be completely filled by the Bidder)

Sr. No.	Name of equipment	Date of purchase	Date of calibration	Utility

Tender for -----

Tender No: PGVCL/-----

Due On:-

Date:
Sign & Stamp of the Bidder

Annexure-VI

Sub: -UNDERTAKING IN REGARD TO STOP DEAL/BLACK LIST THEREOF

Ref: - Tender No: PGVCL/ _____

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 _____ is not stop deal/black listed by
GUVNL and or any subsidiary companies viz. PGVCL/UGVCL/DGVCL/PGVCL/GSECL/GETCO for
the tendered item.

Date:
Seal & Signature of the Tenderer/Firm

LIST OF TYPE TESTS REPORTS SUBMITTED WITH THE TECHNICAL BID
(For the work of Laying of HT/LT Underground Cable)
(Not Older than 7 Years)

Sr. No	Type Test Report No. & Date	Tests Carried out at (Name of Laboratory)	Rating & Type / Designation of Item / Equipment	Name of the test Conducted	Results Of the Tests.

Tender for -----

Tender No: PGVCL/-----

Due On:-

Date:

Sign & Stamp of the Bidder

Annexure-VIII

List of Performance Certificate:

Sr. No.	Name of the Authority by whom certificate is issued	Reference No. & Date	Details of items
1	2	3	4

Tender for -----

Tender No: PGVCL/-----

Due On:-

Date:

Sign & Stamp of the Bidder

Details of Fatal/Non-Fatal Accidents Occurred To the Contractor Labours during Last Five Years

Sr. No.	Type Of Accident (Electrical/Mechanical)	Fatal/Nonfatal	Nos. of Affected Labour/s	Brief Reason for the Accident

Tender for Supply of-----

Tender No: PGVCL/-----

Due On:-

Date:

Sign & Stamp of the Bidder

Annexure-X

Sub: -UNDERTAKING IN REGARD TO ANY PENDING CRIMINAL CASE FOR FRAUD OR MISHANDLING OF MATERIAL

Ref: - Tender No: PGVCL/ _____

I/We _____ authorized signatory of
M/s _____ hereby declare we will provide
_____ nos of labours to carry out this tenders scope of work. We are having Labour
Insurance Policy No. _____ for _____ nos of our labours. We declare
that, as mention below table, we are having following safety gadgets of our own and they all
are in good condition.

Sr No.	List of Safety Gadget	Unit	Nos gadgets owned by bidder
1	HT DO Rod	No	
2	Earthing Rod	No	
3	Helmet	No	
4	Safety Belt	No	
5	Hand Gloves for LT	Pair	
6	Hand Gloves for HT	Pair	
7	Other safety items		
8			
9			
10			
11			
12			

Date:
Sign & Stamp of the Bidder

On Firm's Letter Head

CERTIFICATE – "A"

I/We _____ authorized signatory of
M/s. _____ hereby certify that
M/s. _____ is not related with other firms who
have submitted tenders for the same items under this inquiry / Tender.

- Seal of the Firm

Signature of the Tenderer

- Place:

With Designation

- Date:

E.M.D. BANK GUARANTEE FORMAT

FOR TENDER NO.:

APPENDIX – I

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

WHEREAS M/s. _____ (Name & Address of the Firm) having their registered office at _____ (Address of the firms Registered office) (hereinafter called the 'Tenderer') wish to participate in the tender No. _____ for _____ of (Supply/ Erection/Supply & Erection Work) (Name of the material/equipment/Work) for _____ Paschim Gujarat Vij Company Ltd. and WHEREAS a Bank Guarantee for (hereinafter called the "Beneficiary") Rs. _____ (Amount of EMD) valid till _____ (Mention here date of validity of this Guarantee which will be **5 (FIVE)** months beyond initial validity of Tender's offer) which is required to be submitted by the tenderer along with the 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 No. _____ dated _____ and hereby agree unequivocally and Unconditionally to pay immediately on demand in writing from the Paschim Gujarat Vij Company Ltd. or any officer authorized by it in this behalf any amount not exceeding Rs. _____ (Amount of E.M.D.), (Rupees _____) (In words) to the said Paschim Gujarat Vij Company Ltd. on behalf of the Tenderer.

We _____ (Name of the Bank) also agree that withdrawal of the tender or part thereof by the Tenderer within its validity or Non submission of Security Deposit by the Tenderer within one month from the date tender or a part thereof has been accepted by the Paschim Gujarat Vij Company Ltd. would constitute a default on the part of the Tenderer and that this Bank Guarantee is liable to be invoked and encashed within its validity by the Beneficiary in case of any occurrence of a default on the part of the Tenderer and that the encashed amount is liable to be forfeited by the Beneficiary.

This agreement shall be valid and binding on this Bank up to and inclusive of _____ (Mention here the date of validity of Bank) and shall not be terminable by notice or by Guarantor change in the constitution of the Bank or the firm of Tenderer Or by any reason whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, conceded with or without our knowledge or consent by or between the Tenderer and the PGVCL.

"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 beneficiary (i.e. GUVNL or Subsidiaries). 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 hereinbefore, our liability under this guarantee is restricted to Rs. _____ (Amt. of E.M.D.) (Rupees _____) (In words). Our Guarantee shall remain in force till _____ (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 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.

NAME OF DESIGNATED BANKS:

- All Nationalized Banks including Public Sector Banks IDBI Bank Ltd.
- Private Sector Banks authorized by RBI to undertake the state Government business, which are (i) Axis Bank (ii) ICICI Bank (iii) HDFC Bank
- Co-operative Banks and Commercial Banks and recognized/notified by Government of Gujarat (GoG)

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

FORM OF BANKER'S UNDERTAKING (For SD)

(Bank Guarantee on Non-Judicial Stamp Paper of .100/-)

We, Bank of _____ hereby agree unequivocally and unconditionally to pay immediately on demand in writing from the Paschim Gujarat Vij Company Ltd. or any Officer authorized by it in this behalf any amount up to and not exceeding _____ (in words) Rupees _____ to the said Paschim Gujarat Vij Company Ltd. on behalf of M/s. _____ who have entered into a contract for the supply/works specified below

L.O.A. No. _____ dated _____.

This agreement shall be valid and binding on this Bank up to and inclusive of _____ 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 variations or alterations made, given conceded or agreed, with or without our knowledge or consent, by or between parties to the said within written contract.

"Notwithstanding anything contrary contained in any law for the time being in force or banking practice, this Guarantee shall not be assignable, transferable by the beneficiary (i.e. GUVNL or Subsidiaries). 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 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.
--	--

NAME OF DESIGNATED BANKS:

- All Nationalized Banks including Public Sector Banks IDBI Bank Ltd.
- Private Sector Banks authorized by RBI to undertake the state Government business, which are (i) Axis Bank (ii) ICICI Bank (iii) HDFC Bank
- Co-operative Banks and Commercial Banks and recognized/notified by Government of Gujarat (GoG)

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

AGREEMENT:

This agreement is made at _____ the ____ day of _____ month _____ Year between the **Paschim Gujarat Vij Company Ltd. & _____** (hereinafter referred to as "the Contractor" which expression shall unless excluded by or repugnant to the context include its successors or permit assigns) of the one part and the Paschim Gujarat Vij Company Ltd. Having its Regd. and Corporate Office at Laxminagar, Off Nanamava Road, Rajkot, 360004 (hereinafter called "The Company" which expression shall unless excluded by or repugnant of the context include its successors or assigns) of the other part.

Whereas the aforesaid Company has accepted the tender of the aforesaid contractor for the work of _____ as per Company's LOA No.

_____, Dated _____, hereinafter called "The works and more particularly described enumerated or referred to in the specifications, terms and other letters and schedule of price which for the purpose of identification have been signed by **The Superintending Engineer/Executive Engineer, _____, Circle/Division, PGVCL** on behalf of the Company, a list where of is made out in the schedule here under written and all of which said documents are deemed to form part of this contract and include in the expression "The works" wherever herein used, upon the terms and subject to the conditions hereinafter mentioned.

And whereas the Company has accepted the tender of the contractors for the **Maintenance & Erection of HT / LT Line & T/C and Underground cable** up on the terms and subject to the conditions herein mentioned.

- 1.) The contractors shall do and perform all works and things in this contract mentioned and described or which are implied therein of therefore respectively or are reasonable necessary for the completion of the works as mentioned and at the time in the manner and subject to the terms conditions and stipulation contained in this contract and in consideration of the due provision, executions, construction and completion of the works agreed to by the contractors as aforesaid the company both hereby covenant with the contractor to pay all the claims of money as and when they become due and payable to the contractor under the provisions of the contract such payment to be made at such times in such manner as is provided by the contract.
- 2.) The conditions and covenant stipulation here in before in this contract are subject to and without prejudice to the right of the company to enforce for delay and or any other rights whatever including the right to reject and cancel on default or breach by the contract of the conditions and the covenant as stipulated in the general conditions specifications form Or tender schedule drawing etc. attached with the Company LOA No.
_____, Dated _____.
- 3.) The Contractor will strictly follow the safety Rules and Regulations during the execution of aforesaid work. The Contractor will also provide all required Safety Gadgets to his Supervisors and labours to execute the work mentioned in Tender. On violating or breaking the Safety Rules and Regulations, and if Supervisors/Labours are found without Safety Gadgets, "The Company" reserves the right to take actions as per the terms and conditions mentioned in Tender without any prejudice.
- 4.) The Company reserves the right to terminate the Contract either in part or in full due to reasons other than those mentioned under clause entitled 'Contractor's Default'. The PGVCL shall in such an event give fifteen (15) days' notice in writing to the Contractor of his decision to do so.
- 5.) The Contractor upon receipt of such notice shall discontinue the work on the date and to the extent specified in the notice, make all reasonable efforts to obtain cancellation of all orders and Contracts to the extent they are related to the work terminated and terms satisfactory to the Company, stop all further sub-contracting or purchasing activity related to the work terminated, and assist "The Company" in maintenance, protection, and disposition of the works acquired under the Contract by the Company. In the event of such a termination the Contractor shall be paid compensation, equitable and reasonable, dictated by the circumstances prevalent at the time of termination.

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

The contract value extent of supply delivery dates, specifications as other relevant matters may be altered by mutual agreement and if so altered shall not be deemed or constructed to mean and to effect or alter other terms and conditions of the contract and the contract so altered or revised shall be and shall always be deemed to have been subject without prejudice to and stipulation.

SCHEDULE

- 1.
- 2.
- 3.

In witness where of the parties here to have set their hands and seal this day and month year first above written.

1. Signed sealed and delivered by for and on

Behalf of the presence of name and address.

2. Signed sealed and delivered by for and on behalf

Of The Paschim Gujarat Vij Company Ltd

Date:
Sign & Stamp of the Bidder

INDEMNITY BOND

In consideration of the **PASCHIM GUJARAT VIJ COMPANY LTD.**, herein after known as the COMPANY having given contract for the work of _____

_____ as per A/T No.

_____, dated _____ and all future contract that may be awarded to me in the next one year and in terms of the condition in clause 33 of the COMPANY's tender and contract for work.

I _____ residing at _____ by this Bond bind myself responsible for and shall pay compensation to my workmen payable under the workmen's compensation ACT – 1923 (viii of 1923) hereinafter called the said Act for death or injuries caused to the workmen engaged by this presents, if such compensation is paid by the COMPANY as principal under such sub-section (1) of section 12 of the said Act on behalf of me, to pay such amount of compensation on demand within 48 hours to the COMPANY that it might have to spend as legal and other incidental charges in defending any suit or action arising out of the death of injuries in regard to compensation paid to the workmen or heirs of the deceased workmen.

Now the condition of the above written Bond is such that any suit of action arising out of the death or injuries to the workmen engaged by me. During the execution of work of said contract and all future contracts that may be awarded to me in the next one year is filed by the worker against the COMPANY, I _____ shall imbrues to the COMPANY such sum that the COMPANY is required to spend as legal and other incidental charges in defending such suit or action and also the amount that may be ordered to be paid to the worker / or his heirs as compensation and that the above written bind shall remain in full force and virtue till the COMPANY is required to defend such suit or action filed by the workers and or heirs against the COMPANY. Further it is applicable on death of contractor himself also. No any compensation will be claimed by legal heirs of contractor.

Witnesses:

Signature of the Executant;

Date:
Sign & Stamp of the Bidder

SECTION IX: SCHEDULE B**LABOUR RATES FOR CAPITAL WORKS (Excluding GST)**

Sr. No.	DETAILS OF WORKS	UNIT	Labour Rate for Capital Works For The Year 2024-25
1	HT TAPPING FROM THE EXISTING POLE INCLUDING FIXING OF CROSS ARMS, CLAMPS ANTI-CLIMBING DEVICES, DANGER BOARD, INSULATORS ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS AND NUMBERING COMPLETE WITH COST OF PAINTS AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING.	NO.	397.87
2	ERECTION OF PSC POLES OF 8 Mt/200 KG INCLUDING EXCAVATION OF PIT AND REFILLING OF EARTH, FIXING OF CROSS ARMS, TOP FITTING CLAMPS ANTI-CLIMBING DEVICES, INSULATORS ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING.	NO.	963.12
3	ERECTION OF STEEL POLES OF 9 TO 11 METERS INCLUDING EXCAVATION OF PIT AND REFILLING OF EARTH, FIXING OF CROSS ARMS, TOP FITTING CLAMPS ANTI-CLIMBING DEVICES, DANGER BOARD, INSULATORS ETC. COMPLETE AND PAINTING OF STEEL POLE, FABRICATED MATERIALS USED ON THE POLE AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING.	NO.	1613.36
4	ERECTION OF STEEL POLE OF 13 METERS FOR RAILWAY CROSSING ON BG/MG/NG LINE FOR 0.400/11/22KV OVERHEAD LINES I.E INCLUDING EXCAVATION OF PIT & REFILLING OF EARTH, FIXING CROSS ARMS, TOP FITTING CLAMPS, ANTI-CLIMBING DEVICES DANGER BOARD, INSULATORS ETC. COMPLETE AND PAINTING OF STEEL POLES, FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.	NO.	1848.99
5	ERECTION OF DOUBLE POLE STRUCTURE OF 8 METERS 200 KG PSC POLES INCLUDING EXCAVATION OF PITS & REFILLING OF EARTHING, FIXING OF CHANNELS, SUPPORTING ANGLES, CLAMPS, ANTI-CLIMBING DEVICES DANGER BOARDS, INSULATORS ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING. (WITHOUT AB SWITCH)	NO.	2188.92
6	ERECTION OF DOUBLE POLE STRUCTURE OF 9 TO 11 METERS. STEEL POLE INCLUDING EXCAVATION OF PITS & REFILLING OF EARTH, FIXING OF CHANNELS, SUPPORTING ANGLES, CLAMPS, ANTI-CLIMBING DEVICES DANGER BOARDS, INSULATORS ETC. COMPLETE & PAINTING OF POLES, FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINTS AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING. (WITHOUT AB SWITCH)	NO.	3162.35
7	ERECTION OF DOUBLE POLE STRUCTURE WITH MOUNTING OF AB SWITCH, DO FUSES OF 8 MTRS 200 KG PSC POLES INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, FIXING OF CHANNELS SUPPORTING ANGLES, CLAMPS, ANTI-CLIMBING DEVICES, DANGER BOARDS, INSULATORS, DO FUSES ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING OF ERECTION OF GUY SET AND EARTHING.	NO.	2630.06

8	ERECTION OF DOUBLE POLE STRUCTURE WITH MOUNTING OF AB SWITCH, DO FUSES, 9 TO 11 METERS STEEL POLES INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, FIXING OF CHANNEL, SUPPORTING ANGLES, CLAMPS, ANTI-CLIMBING DEVICES, DANGER BOARDS, INSULATORS, ETC. COMPLETE AND PAINTING OF POLES FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING.	NO.	3452.06
9	ERECTION OF DOUBLE POLE STRUCTURES WITH MOUNTING OF AB SWITCH, DO FUSES, TRANSFORMERS, LIGHTENING ARRESTORS, DISTRIBUTION BOX. OF 8 METERS 200 KG AND PSC POLES INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, CARTING OF TRANSFORMERS FROM STORES TO SITE, FIXING OF CHANNELS, SUPPORTING ANGLES, BRACINGS CROSS ARMS CLAMPS, ANTICLIMBING DEVICES, DANGER BOARDS, CONDUCTOR AND CABLE WIRING ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.	NO.	7509.28
10	ERECTION OF DOUBLE POLE STRUCTURE WITH MOUNTING OF AB SWITCH, HG FUSES TRANSFORMERS, LIGHTENING ARRESTORS, DISTRIBUTION BOX 9 TO 11 METERS STEEL POLES INCLUDING EXCAVATION OF PITS & REFILLING OF EARTH CARTING OF TRANSFORMERS FROM STORE TO SITE, FIXING OF CHANNELS SUPPORTING ANGLES, BRACING, CROSS ARMS, CLAMPS, ANTICLIMBING DEVICES, DANGER BOARDS, CONDUCTOR AND CABLE WIRING ETC. COMPLETE AND PAINTING OF POLES FABRICATED MATERIALS USED ON THE POLES AND NUMBERING AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTIONS OF GUY SETS AND EARTHING.	NO.	8780.14
11	ERECTION OF GUY SET INCLUDING EXCAVATION OF PITS & REFILLING OF EARTH AS PER STANDARD SPECIFICATION WITH STAY CLAMPS, STAY WIRE, ANCHOR ROD, TURN BUCKLE, EYEBOLT, GUY INSULATOR, CEMENT CONCRETE BLOCK ETC. BUT EXCLUDING CONCRETING.	NO.	463.54
12	CONCRETING OF POLES, GUYS, ETC. INCLUDING COST OF CEMENT SAND METAL (1:2:4) AND WATER ETC. AS PER STANDARD SPECIFICATION.	CMT	7135.16
13	ERECTION OF COIL TYPE EARTHING INCLUDING COST OF COAL SALT ETC. BUT WITHOUT COST OF GI WIRE AS PER STANDARD SPECIFICATION (20 Kg Salt + 20 Kg Coal)	NO.	643.80
14	ERECTION OF PLATE TYPE EARTHING INCLUDING COST OF COAL SALT ETC. BUT WITHOUT COST OF GI WIRE AS PER STANDARD SPECIFICATION (20 Kg Salt + 20 Kg Coal)	NO.	646.38
15	ERECTION OF STREET LIGHT FIXTURE COMPLETE WITH CLAMPS, BRASS NIPPLE, BRASS HOLDER TECK WOOD BUSH, REFLECTORS FUSE, WIRING ETC. AS PER STANDARD SPECIFICATION BUT EXCLUDING COST OF MATERIALS.	NO.	297.44
16	STRINGING OF 30MM ² ACSR/34MM ² , 55MM ² AAAC CONDUCTOR FOR 11/22KV & LT LINES INCLUDING FIXING OF INSULATORS, BINDING JUMPERING ETC.	ONE COND PER KM	1747.27

17	STRINGING OF GI WIRE 8 SWG INCLUDING BINDING JUMPERING ETC.	DO	978.58

Date:
Sign & Stamp of the Bidder

18	PROVIDING SINGLE PHASE SERVICE CONNECTION WITH PVC2.5/4.0 MM2 TWIN CORE CABLE FROM TERMINAL POLE TOMETERING POINT INCLUDING FIXING OF METER & COMPLETE WORK AS PER STANDARD SPECIFICATION BUT EXCLUDING COST OF MATERIALS.	NO.	328.34
19	PROVIDING THREE PHASE 4 WIRE SERVICE CONNECTION WITHPVC 4MM2/10MM2 FOUR CORE CABLE FROM TERMINAL POLETO METERING POINT INCLUDING FIXING OF METER & COMPLETE WORK AS PER STANDARD SPECIFICATION BUT EXCLUDING COST OF MATERIALS.	NO.	451.95
20	ADDITIONAL COST FOR EXCAVATION OF PIT IN HARD ROCKAREA FOR ERECTION OF POLE/ GUY ETC. AS PER STANDARD SPECIFICATION OVER & ABOVE NORMAL COST COVERED AGAINST EXCAVATION OF PIT UNDER NORMAL SOIL FOR ERECTION OF POLE, GUY, DOUBLE POLE STRUCTURE EARTHING WITH THE APPROVAL OF SUPDT.ENGINEER.	NO.	297.44
21	PROVIDING GUARDING TO HT LINE ON ROAD/ RAIL CROSSING.	MTR	57.94
22	PROVIDING GUARDING OF LT LINES ON ROAD/RAIL CROSSING.	MTR	57.94
23	LT LINE TAPPING- SINGLE PHASE	NO.	42.49
24	LT LINE TAPPING- THREE PHASE	NO.	77.26
25	STRINGING/LAYING OF OVERHEAD LT CABLE FOR ROAD CROSSING,HT LINE CROSSING AND TELEPHONE LINE CROSSING ETC.(PER SPAN)	Per Span	217.60
26	ERECTION OF SINGLE POLE STRUCTURES WITH, DO FUSES, TRANSFORMERS, LIGHTENING ARRESTOR, DISTRIBUTION BOX. ON 8 METERS 200 KG PSC POLE INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, CARTING OF TRANSFORMERS FROM STORES TO SITE, FIXING OF CHANNELS, SUPPORTING ANGLES, BRACINGS CROSS ARMS CLAMPS, ANTICLIMBING DEVICES DANGER BOARDS, CONDUCTOR AND CABLE WIRING ETC.COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLE AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.	NO.	3753.35
27	ERECTION OF SINGLE POLE STRUCTURES WITH MOUNTING OF AB SWITCH DO FUSES, TRANSFORMERS, LIGHTENING ARRESTOR, AND DISTRIBUTION BOX. ON 9 to 11 METERS RSJ POLE INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, CARTING OF TRANSFORMERS FROM STORES TO SITE, FIXING OF CHANNELS, SUPPORTING ANGLES, BRACINGS CROSS ARMS CLAMPS, ANTICLIMBING DEVICES DANGER BOARDS, CONDUCTOR AND CABLE WIRING ETC.COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLE AND NUMBERING AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.	NO.	4390.72
28	ERECTION OF SINGLE POLE STRUCTURES WITH, HG FUSES, TRANSFORMERS, LIGHTENING ARRESTOR, DISTRIBUTION BOX ON EXISTING 8 METERS 200 KG PSC POLE INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, CARTING OF TRANSFORMERS FROM STORES TO SITE, FIXING OF CHANNELS, SUPPORTING ANGLES,BRACINGS CROSS ARMS CLAMPS, ANTICLIMBING DEVICES DANGER BOARDS, CONDUCTOR AND CABLE WIRING ETC.COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLE AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.	NO.	2443.22

29	ERECTION OF SINGLE POLE STRUCTURES WITH , HG FUSES, TRANSFORMERS, LIGHTENING ARRESTOR, DISTRIBUTION BOX ON EXISTING 9 to 11 METERS RSJ POLE INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, CARTING OF TRANSFORMERS FROM STORES TO SITE, FIXING OF CHANNELS, SUPPORTING ANGLES,BRACINGS CROSS ARMS CLAMPS, ANTICLIMBING DEVICES DANGER BOARDS, CONDUCTOR AND CABLE WIRING ETC.COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLE AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.	NO.	2620.27
30	ERECTION OF PSC POLES OF 10 Mt./ 270 KG INCLUDING EXCAVATION OF PIT AND REFILLING OF EARTH, FIXING OFCROSS ARMS, TOP FITTING CLAMPS ANTI-CLIMBING DEVICES, INSULATORS ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING.	NO.	2253.30
31	ERECTION OF DOUBLE POLE STRUCTURE OF 10 METERS 270 KG PSC POLES INCLUDING EXCAVATION OF PITS & REFILLING OF EARTHING, FIXING OF CHANNELS, SUPPORTING ANGLES,CLAMPS, ANTI-CLIMBING DEVICES DANGER BOARDS,INSULATORS ETC.COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.	NO.	4692.01
32	STRINGING OF 100MM2 ACSR/100MM2 AAAC CONDUCTOR FOR 11/22KV & LT LINES INCLUDING FIXING OFINSULATORS, BINDING JUMPERING ETC.	ONE COND PER KM	4023.75
33	STRINGING OF ABC OF FOLLOWING SIZES INCLUDING FITTING OF ALL ACCESSORIES I.E. SPECIAL DESIGN SUSPENSION/TENSION CLAMP. FIXING OF CROSSARM, LT SHACKLE INSULATOR, & DIRECTED BY ENGINEER-IN-CHARGE. (i) 3x50mm2+16mm2+1x35mm2 (ii)3x50mm2+16mm2+1x25mm2	MTR	29.00
34	STRINGING OF ABC OF FOLLOWING SIZES INCLUDING FITTING OF ALL ACCESSORIES I.E. SPECIAL DESIGN SUSPENSION/TENSION CLAMP. FIXING OF CROSS ARM, LT SHACKLE INSULATOR, ETC. FOR FIXING OF MESSENGER WIRE COMPLETE, AS REQUIRED & DIRECTED BY ENGINEER-IN-CHARGE. (i) 1x35mm2 + 1x25mm2	MTR	14.50
35	STRINGING OF 11KV ABC OF FOLLOWING SIZES IN RURAL/URBAN AREA INCLUDING FIXING OF CROSS ARM, SPECIAL DESIGN SUSPENSION/TENSION CLAMP, BINDING TO PIN INSULATOR, PREPARING SHCKLE POINT JUMPERS ETC. AS REQUIRED AND DIRECTED BY ENGINEER-IN-CHARGE. (I) 3X95MM2+1X80MM2 (II)3X70MM2 + 1X70MM2	MTR	39.44

ERECTION OF DOUBLE POLE STRUCTURES WITH MOUNTING OF AB SWITCH, HG FUSES, TRANSFORMERS, LIGHTENING ARRESTORS, DISTRIBUTION BOX OF 10 METERS 270 KG AND PSC POLES INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, CARTING OF TRANSFORMERS FROM STORES TO SITE, FIXING OF CHANNELS, SUPPORTING ANGLES, BRACINGS CROSS ARMS CLAMPS, ANTICLIMBING DEVICES DANGER BOARDS, CONDUCTOR AND CABLE WIRING ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.

NO.

8587.00

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Labour Rates for maintenance work of HT / LT Line and Transformer Centre / Service Line / Reconnection and Dis connection etc. (Excluding of GST)

(All Rates are with transportation charges /all material including - M.S. Nut-Bolts of all size will be supplied by PGVCL / Paints & Colour to be purchased by the contractors.)

(A) HT -LINE MAINTENANCE WORK (Excluding GST)

Sr. No.	Item	Unit	Labour Rate for 2024-25
1	Replacement of V-X-Arm with transportation, etc. (+) Painting.	Set	202.15
2	Straightening of tilted V-X -Arm, Top fitting / LT X-Arm/ Tapping Angle	Set	72.11
3	Dismantling of Old V-X-Arm with Top fitting / LT X-Arm/ Tapping Angle from existing pole.	Set	104.30
4	Fixing of V-X-Arm with Top / LT - X- Arm/ Tapping Angle on existing necked pole with colour	Set	158.63
5	Re-fixing & Changing height of V-X-Arm / LT-X-Arm / Tapping Angle Projection Brackets.	No.	177.05
6	Dismantling of Old deteriorated/Broken/Re-Usable PSC Pole with all Fabrication -with crediting fabrication at field store and staking of pole safely on road side.	No.	598.56
6.a	Dismantling of Old PSC Pole with all Fabrication - with crediting fabrication at field store.(if intact and re-usable)	No.	598.56
7	-do- but M.S. Girder Pole / Rail Pole / Tubular Poles etc. (Any Size)	No.	877.89
8	-do- but D.P. Structure set of PSC Poles	Set	1328.55
8.a	-do- but D.P. Structure set of PSC Poles (if intact and re-usable)	Set	1770.45
9	-do- but D.P. Structure set of M.S. Girder Poles	Set	1947.50
10	Replacement of 11 KV Pin Insulator with providing new double pin bindings.	No.	52.32
11	Replacement of old 11 KV Pin Insulator by new 22 KV Pin Insulator with rod and providing double pin bindings and check nuts etc.	No.	70.18
12	Re-Pin binding with cleaning of 11 KV / 22 KV Pin Insulator.	No.	17.86
13	Replacement of old 11 KV Disc Insulator by New one with binding etc.	No.	140.35
14	Providing 11 KV double disc insulator with binding etc.	No.	136.88
15	Replacement of Old jumpers and Providing new double jumpers with 8" binding and PVC pipe etc.	No.	79.32
16	Replacement of existing A.C.S.R./All Alu. Conductor up to 55 mm ² by new one/ Coated conductor with pin binding including transportation and crediting to store etc.	Per cond. Per Km	2832.72
17	Replacement of existing 11 KV conductor by 0.1 A.C.S.R./ AAAC DOG conductor with new double pin binding.	Per cond. Per Km	3700.40

18	Re-stringing of 11 KV A.C.S.R./AAAC Conductor & L.T. Line conductor/ Coated conductor (All size) with new double pin binding between two locations.	1 Wire per Span	91.42
18.a	Re-stringing of 11 KV Aerial Bunch Cable (All size) between two locations.	Per Span	274.26

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19	Removal / Dismantling of ex. HT / LT Line conductor (All Size)	Per cond. Per Km	1037.39
20	Straightening of tilted PSC Poles /Girder Poles.	No.	243.60
21	Dismantling of guy set comp. with rod (If possible) etc.	Set	133.14
22	Re-tightening in all respect of loose guy set.	Set	151.94
23	Providing new guy insulator and tightening of guy set / Repairing etc.	Set	177.05
24	Trimming/ Cutting of tree branches as per instruction.	Per Tree	49.88
24.a	Cutting of bigger size of tree branches/whole tree obstructing HT/LT Line.	Per Day Per Labour	395.56
25	Providing 11 KV projection brackets in place of old V-X- Arm	Set	443.32
26	Providing H.T. / L.T. projection brackets (Combined) in place of ex. Old V-X Arm / L.T. X-Arm etc.	Set	620.37
27	Providing LT projection brackets in place of old L.T. X-Arm etc.	Set	443.32
28	Dismantling of exist. HT / LT projection brackets	Set	212.45
29	Providing bracing angle set in ex. D.P. (4-Angles)	Set	266.28
30	Straightening of tilted D.P. Set (PSC / Girder pole) etc. with refilling of stones, moram etc.	Set	693.68
31	Laying of 11 KV power cable from 70mm2 to 225mm2 with exaction of 3 Feet depth cable trench and refilling the same with providing bricks layers and refilling the same with sand / moram up to ground level as per specification.	Mtr	531.14
31.a	-do-, additional cable in same tranche with additional bricks for separating both cables	Mtr	177.05
32	Re-activation of earthing of poles	No.	443.32
33	Repairing and providing HT / LT Guarding with straightening of G.I. Wire & providing lacings at 1 Mtr. dist. As per specification with using I - Rod etc.	Per Mtr.	24.24
34	Providing name of 11 KV fdr in "Gujarati" only on PSC / Girder Poles with providing back ground colour on poles with two coats of colour and size of letters to be 2 to 3" in approved ISI colour (Asian Apeolite, Three Mengo including all materials.	No.	35.41
35	Providing Pole No with S/S code No, S/Dn Code No. / Feeder Code No. / T.C. Code No. etc. with back ground colour and height of letters to be 2 to 3" I.S.I. approved colour (A.A. 3 Mengo) including all materials.	No.	35.41
36	Providing New 11 KV A.B./ G.O. Switch with fabrications and insulated colour code jumpers / bindings lug etc.	Set	965.70
37	Providing new 11 KV D.O. Fuse with fabrication and insulated colour code jumpers / binding / lugs etc	Set	957.00
38	Replacement of old 11 KV A.B. / G.O. Switch with providing new insulated colour code jumpers / bindings / lugs etc.	Set	1410.56
39	Replacement of old 11 KV D.O. Fuse unit comp.	No.	177.05

40	Providing C.C. ex. HT / LT Line Poles, Guy Sets etc. as per sp. with all materials by contractors including cement in 1:2:4 ratio as per specifications it also includes excavation & relevant works and muffing.	Cmt.	7135.16
41	Providing Muffing in stone masonry in cement mortar 1:5 for X'mers as per sp. with all materials by contractors including cement without excavation work.	Cmt.	3894.99

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42	Only colour work on ex. Items. (2 coats) of red oxide colour and two coats of silver colours I.S.I. Asian Acolyte 3 mango colour to be used.		
42.a	1] V-X-Arm / Tapping Channel or Angle with all fitting.	No.	97.73
42.b	2] L.T. -X-Arm + '-do-	No.	75.40
42.c	3] H.T. /L.T. Proj. brackets complete	Set	257.78
42.d	4] H.T. Proj brackets	Set	141.64
42.e	5] L.T. Proj. brackets	Set	141.64
42.f	6] C Clamp	No.	18.41
42.g	7] M.S. Girders 100x116 / Rail & Angle & Tubular Poles (9 to 13 Mtrs Long)	No.	940.76
42.h	8] M.S. Girders poles (150x150x11 to 13 Mtrs.)	No.	1168.50
42.i	9] D.P. Structure + All fabrications. (PSC Poles)-without Bracing	No.	301.68
42.j	9] D.P. Structure + All fabrications. (PSC Poles)-with bracing	No.	566.54
42.k	10] '-do- Transformer Structure set - PSC/Girder Pole.	Set	708.18
43	Providing of XLPE hard coating on 34 mm ² AAAC conductor with 3 mm coating.	Km	7081.80
44	Providing of XLPE hard coating on 55 mm ² AAAC conductor with 3 mm coating.	Km	11507.93
45	Cost of drum in which party will return the Hard Core XLPE coated conductor.	No.	487.23
Note:	Dismantled items should be credited in divisional store/RSO.		

(B) LT-LINE AND SERVICE CONNECTION MAINTENANCE WORK (Excluding GST)

Sr. No.	Item	Unit	Labour Rate for 2024-25
1	Replacement of LT X-Arm comp. & crediting in Store.	Set	91.64
2	Replacement of LT Pin or shackle insulator by new one with double binding and claiming etc.	No.	30.16
3	Re-binding of L.T. Pin / shackle insulator.	No.	18.41
4	Replacement of old deteriorated C - clamp	No.	11.60
5	Providing spacer between L.T. Line conductor with binding etc.	No.	30.16
6	Providing cage type loop guard in vertical L.T. Line with using PVC real insulator etc.	No.	47.21
7	Replacement of old jumpers by new thick insulator colour code jumpers for bare conductor with using PVC Pipe and providing 8" long binding on each jumpers.	No.	52.41

8	Providing junction box or M.S. Box with wooden plate inside on pole with clamp etc. including fixing of K.K. Fuses up to 63 Amp & Neutral link with giving cable connections on poles and in fuses.		
8.a	3 Fuse	No.	133.14
8.b	5 Fuse	No.	203.96
8.c	More Than 5 Fuse with respect to item No. 8.b	Per fuse	26.91

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9	Replacement & Laying of O/H L.T. - PVC Cable for road / H.T. Line / P&T Line / Crossing with using G.I. Wire No. 8/10 & PVC Real & Egg insulators etc. with connection of Lugs, etc. up to 70 sq.mm	One Span	239.36
10	Replacement & Laying of O/H L.T. - PVC Cable for road / H.T. Line / P&T Line / Crossing with using G.I. Wire No. 8/10 & PVC Real & Egg insulators etc. with connection of Lugs, etc. for 95 sq.mm & above.	One Span	354.09
11	Replacement of service lines with MMB & meters with all accessories as under:		
11.a	1 Phase Connection Replacement of service lines with Meter Box & meters by using G.I. Wire No. 8/10, Real insulator at the distance of 1.0 Mtr., two nos. of egg insulator, wall fast, service angle, PVC Service pipe etc. at equal vertical distance with giving connections of service.	No.	434.82
11.aa	-do-without meter box and meter	No.	318.68
11.b	3 Phase Connection Replacement of service lines with Meter Box & meters by using G.I. Wire No. 8/10, Real insulator at the distance of 1.0 Mtr. two nos. of egg insulator, wall fast, service angle, PVC Service pipe etc. at equal vertical distance with giving connections of service.	No.	514.14
11.bb	--do-- without meter box and meter	No.	364.00
12	Labour charge for replacement of Meter Box without meter.		
12.a	1 Phase Conn.	No.	80.73
12.b	3 Phase Conn.	No.	106.23
13	Labour charge for replacement / providing of meter and Meter Box		
13.a	1 Phase Conn.	No.	116.14
13.b	3 Phase Conn.	No.	151.55
14	Replacement of meter / providing only		
14.a	1 Phase Conn.	No.	45.32
14.b	3 Phase Conn.	No.	70.82
15	Labour charge for installation of 3 phase Meter Box & 3 phase Meter on T.C. complete in all respect including carting of materials from respective store as per instruction of engineer in-charge.		
15.a	In City Area	Set	478.50
15.b	In Rural Area	Set	638.00
16	Providing leads of service wires on L.T. Line with 8 to 10 turns with insulation and 8 to 10 turns of bare wire with L.T. Line conductor and providing insulated PVC tape on it.		
16.a	Per 1 Phase S/C.	No.	12.75
16.b	Per 3 Phase S/C.	No.	22.66
Note:	Dismantled items should be credited in divisional store/RSO.		

(C) TRANSFORMER MAINTANANCE WORK (Excluding GST)

Sr. No.	Item	Unit	Labour Rate for 2024-25
1	Replacement of old jumpers by new insulated cover cable jumper/biding/lugs etc. etc. from L.A. to D.O. fuse or D.O. fuse to T/C.	No	50.22
2	Replacement of old 200 KVA & above distribution box complete with making all connections with crimping of lugs, tapping, neutral	No	1824.53
3	Replacement of old up to 100 KVA distribution box complete with making all connections (i.e.25,63,100)	No	1012.05
4	Installation of New up to 100 KVA distribution box complete with making all connections (i.e.25,63,100)	No.	393.00
5	Installation of New 200 KVA & above distribution box complete with making all connections with crimping of lugs, tapping, neutral	No.	708.00
6	Dismantling of existing distribution transformer centre up to 100 KVA with all fabrication and crediting the old material in sub-Division/Division store		
	PSC Pole	Set	3276.04
	Girder Pole	Set	3807.18
7	Dismantling of existing distribution transformer centre above 100 KVA with all fabrication and crediting the old material including Distribution Transformer in sub- Division/Division store.		
	PSC Pole	Set	3894.99
	Girder Pole	Set	4426.13
Note:	Dismantled items should be credited in divisional store/RSO.		

(D) DISCONNECTION AND RECONNECTION WORK (Excluding GST)

Sr. No.	Item	Unit	Labour Rate for 2024-25
1	Disconnection & Reconnection from LT Pole Single Phase S/C		
	City Area(Disconnection & Reconnection)	No	52.41
	City Area(Only Disconnection)	No.	26.91
	Rural Area(Disconnection & Reconnection)	No.	87.81
	Rural Area(Only Disconnection)	No.	39.56
	Disconnection & Reconnection from LT Pole Three Phase S/C		
	City Area(Disconnection & Reconnection)	No	87.81
	City Area(Only Disconnection)	No.	43.91
	Rural Area - Other than Ag. (Disconnection & Reconnection)(Payment will be made after receipt of RC Charges)	No.	123.22

	Rural Area - Other than Ag. (Only Disconnection)	No.	55.68
	Rural Area - Ag. Connection (Disconnection & Reconnection)	No.	177.05
	Rural Area - Ag. Connection (Only Disconnection)	No.	87.81
2	Dismantling and removal of service line from pole and crediting in store Single Phase		

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	City Area	No	70.82
	Rural Area	No.	95.70
	Dismantling and removal of service line from pole and crediting in store Three Phase		
	City Area	No	141.64
	Rural Area - Other than Ag.	No.	174.00
	Rural Area - Ag. Connection	No.	266.28

(F) For Laying of 11 KV underground cable (Excluding GST)

Sr. No.	Description	Unit	Revised Labour Rate for 2024-25
1	Excavation of trench 0.5 metre wide and 1 metre deep for laying of HT/LT underground cable of size up to 300mm ² PILC or XLPE. (The cable should be laid on bed of sand and to cover cable with half round RCC pipe 6" internal dia. And length of 1 metre along with each bottom and top.) The entire trench thereafter should be refilled with earth duly rammed up to ground level as per drawing No. PGVCL/Tech/UG Cable/01/2014-15.	Metre	119.75
2	Excavation of trench 0.75 metre wide and 1 metre deep for laying of double HT/LT underground cable of size up to 300mm ² PILC or XLPE. (The cable should be laid on bed of sand and to cover cable with half round RCC pipe 6" internal dia. And length of 1 metre along with each bottom and top.) The entire trench thereafter should be refilled with earth duly rammed up to ground level as per drawing No. PGVCL/Tech/UG Cable/02/2014-15.	Metre	177.69
3	Laying / re-laying of cable in cable trench and from ground level to Pole structure for providing outdoor cable joints.	Metre	48.93
4	Laying / re-laying XLPE/PILC cable by digging of pits, removal of old cable and laying of new cable on sand bed as per item No.1 above.	Metre	148.07
5	Widening & refilling with earth duly rammed the trench for laying additional No. of cable. For Item No.1 above.	Metre	48.93
6	Add: Charges for digging of Tar road for laying of cables over and above digging of pit in normal soil as per Sr.No.1.	Metre	29.92
7	Laying of underground 11 KV XLPE Cable by push and pool method (Manual) through with HDPE Pipe 140mm diameter, 6mm thickness or 6" or 4" diameter GI Pipe without damaging surface of the rod by Horizontal boring / drilling method (excluding cost of HDPE Pipe or 6" or 4" GI Pipe) as per drawing and specification.	Metre	424.91
8	Laying of underground 11 KV XLPE Cable by push and pool method (by Horizontal directional machine) through with HDPE Pipe 140mm diameter, 6mm thickness or 6" or 4" diameter GI Pipe without damaging surface of the rod by Horizontal boring / drilling method (excluding cost of HDPE Pipe or 6" or 4" GI Pipe) as per drawing and specification.	Metre	916
9	Moulding of cable joints (straight joints, indoor and outdoor) for PILC Cable - labour charges.	Nos.	1062.27

14	Supply of half round RCC Hume pipe 6" internal diameter and length of 1 metre	No.	134.56
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10A	Moulding of cable joints (straight joints, indoor and outdoor) for XLPE Cable - labour charges, for Urban area.	Nos.	2706.28
10B	Moulding of cable joints (straight joints, indoor and outdoor) for XLPE Cable - labour charges, for Rural area.	Nos.	3286.28
11	Moulding of cable joints (straight joints, indoor and outdoor) for LT PVC Cable	Nos.	870
12	Supply of HDPE pipe for laying 11 KV XLPE Cable 140mm diameter and 6mm thickness as per IS: 4985.	R-Metre	780.29
13	Supply of HDPE pipe for laying 11 KV XLPE Cable 100mm diameter and 6mm thickness as per IS: 4985	R-Metre	631.62

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15	Supply of medium grade GI Pipe of size 6" diameter (including clamping the cable with Pole)	R-Metre	1774.52
16	Supply of medium grade GI Pipe of size 4" diameter (including clamping the cable with Pole)	R-Metre	1285.25
17	Supply of RCC Hume Pipe of 6" internal diameter for laying cable for double circuit and road crossing.	R-Metre	315.46
18	Supply of sand 0.300 X 0.500 X 1.00 metre (layer at bottom of cable trench approx. 0.15 CMT) as per Drg. No. PGVCL/Tech/UG Cable/01/2014-15	R-Metre	55.37
19	Supply of sand 0.300 X 0.750 X 1.00 metre (layer at bottom of cable trench approx. 0.225 CMT) as per Drg. No. PGVCL/Tech/UG Cable/02/2014-15	R-Metre	82.41
20	<u>Rate of Route Marker:</u> Providing, supplying & fixing route marker of C.C. 1:2:4, 150mm X 150mm X 750mm concrete stone (PGVCL marked with approved yellow colour) embedded in earth at least 300mm below the ground level and 450mm above ground level at distance approximately 100 metre or as directed by Engineer-In-Charge (this includes material and labour charges for excavation and refilling.)	No.	179.80

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SECTION VIII: Technical Specifications

TECHNICAL SPECIFICATIONS FOR THE WORK TO BE CARRIED OUT For erection work 11 KV and L.T. Distribution lines and Transformer Centres

GENERAL:

The work should be strictly as per specifications and approved designs of the PGVCL. The inferior and unsatisfactory work is liable for rejection and to be rectified at the cost of contractor. The work will have to be carried out as per programmed laid down by department and under the entire instruction of engineer-in-Charge and contractor should employ supervisor who could supervise the works through out and he should remain present on site. No tools & Tackles will be supplied by the department.

(A) Erection of HT and LT Lines:

Site clearing and tree branches trimming which come in the way of line will be done by the contractor at his cost. The Company will assist the contractor in getting necessary permission for tree cutting etc. Any claim for compensation in above respect will have to be borne by contractor.

(B) Fixing: Pole Position:

The Points of pole structures, guys and earthing will be fixed by the department and will be shown to the contractor. He should adhere to these locations in all circumstances unless directed by the department to make any change. The Poles from One site to other site or at proposed locations must be carted by loading on Tractor or Hand-Cart. The Poles **shall not** be carted by **toeing/Dragging** with Tractor or Cart or with any other means.

(C) Pole setting:

Where poles are set in good solid ground the depth of pit shall be 1/6th of the height of the pole and for grounds of any other nature. The pit must be size of 2 X 2 X 5 feet. The poles and guys must not be set at the edge of cuts/at shore/embankment where the soil is liable to be washed or eroded out of such setting should be avoided. While back filling, earth must be packed tight and in no case earth be dumped to greater depth more than four inches without being rammed, hard before the next layer is thrown in. Extra earth should be packed around the poles and rammed.

The cost of damage done to the pole during erection will be recoverable from the contractor. No pole, which is out of plumb or out of alignment shall be accepted. The pole will be in his safe custody till erected and he is liable to compensate to the Company the full cost of pole along with supervision charges, if the pole is broken during erection, or stolen from his custody. He should be able to render full account of the poles entrusted to him whenever the Supervising Officer demands to scrutinizes the same.

(D) Erection of Complete single Pole Structure

Erection of single pole structure comprises of shifting of pole from the stacking place in the village, excavation of pit, erection in position (with base plate where required), of 8/10 meter PSC poles / 9 to 13 meter Steel Pole or any other suitable pole, fitting of clamps and cross arms and fabricated materials, fixing of caution board, anti-climbing device etc. complete as per drawing and specification inclusive of painting, numbering. Generally vertical formation will be used on each pole. However horizontal formation will have to be used in special circumstances as per instruction at Engineer in charge.

(E) Double Pole (D. P.) Structure

Double poles structure such as for HT line tapping, Railway crossing, any other HT/LT or telephone line crossing, terminal structure for distribution transformer centre comprises of Excavation suitable pits and refilling of earth, erection in position of two Nos. of 8/10 meter PSC poles / 9 to 13 meter Steel Pole or any other suitable pole, fitting of clamps, cross arms, bracing cross arm bracing etc. as per drawing/ standards with mounting D.O. fuses/A.B. switches/HT metering equipment's etc., painting, Pole numbering, fixing of caution Board and anti-climbing devices.

The D.P. must be properly aligned and must be in plumb. Special structure if included will be erected as per drawing supplied. Each Shackle Points must have "D" type Jumpers only.

(F) Stringing of conductors

This includes stringing of stranded and solid bare conductor with fitting of necessary HT/LT pin and strain insulators, binding on insulators, jumpers, the jointing in HT line will be done by twisting sleeve joints as per standard practice. Care must be taken in handling the conductor to protect against cuts, scratches or kinks. The conductor must not be drawn over rough or rocky ground, when it is liable to be damaged. AAA/ACSR conductors must be drawn on wooden or aluminium pulley only. Wastage and cutting should be avoided as far as possible. Not more than 3 % sag will be accepted in the materials account. The sag and spans will be maintained as per drawing/standard. The cross arms insulators must be so fixed that neither tilts nor bands from position. The sagging should be uniform for all conductors and uneven sagging will not be allowed. The ground clearance to be maintained as per IE Rules 2010 Clause No. 58 as mentioned below.

Across a street	For lines of voltage not exceeding 650 Volts	5.8 Meters
	For lines of voltage exceeding 650 Volts but not exceeding 33 kV	6.1 Meters
Along any street	For lines of voltage not exceeding 650 Volts	5.5 Meters
	For lines of voltage exceeding 650 Volts but not exceeding 33 kV	5.8 Meters
Elsewhere than along or across any street	For lines of voltage up to and including 11,000 Volts	If bare - 4.6 Meter If insulated- 4.0 Meter
	For lines of voltage exceeding 11,000 Volts but not exceeding 33 kV	5.2 Meter

- An overhead line shall **not cross over an existing building as far as possible and no building shall be constructed under an existing overhead line.**

Where an overhead line of **voltage not exceeding 650 V** passes above or adjacent to or terminates on any building, the following **minimum clearances** as per IE Rules 2010 Clause No. 60 from any accessible point, on the basis of **maximum sag**, shall be observed, namely:-

Date:

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(i) for any flat roof, open balcony, varandah roof and lean-to-roof and Pitched Roof-

Date:
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- (a) when the line passes above the building a vertical clearance of highest part of building immediately under such line **2.5 meters** from the highest point,
- (b) When the line passes adjacent to the building a horizontal clearance of **1.2 meters** from the nearest point
- (ii) Where an overhead line of voltage exceeding 650 V passes above or adjacent to or terminates on any building, the following minimum clearances as per IE Rules 2010 Clause No. 61 from any accessible point, on the basis of maximum sag, shall be observed, namely:-
- (a) when the line passes having voltage 650 V and up to and including 33000 V above the building a vertical clearance of highest part of building immediately under such line **3.7 meters** from the highest point,
- (b) When the line having voltage 650 V and up to and including 11000 V passes adjacent to the building a horizontal clearance between nearest Conductor and any part of such building on the basis of maximum deflection of wind must be **1.2 meters**
- (iii) Minimum clearances in **meters** between lines crossing each other as per IE 2010 Clause No. 69 are as below.

Sr. No.	Nominal System Voltage	11-66 kV	110-132 kV	220 kV	400 kV	800 KV
1	Low and Medium	2.44	3.05	4.58	5.49	7.94
2	11-66 kV	2.44	3.05	4.58	5.49	7.94

In case of illegal construction / structure on the line under erection, the same is to be put in written notice to the Engineer-In-charge.

(G) Erection of Stay Set:

The erection of stay set comprises of anchor rod, turn buckle, eye bolt and excavation of suitable pit size of 2 X 2 X 5 foot, fixing of stay clamp on pole, binding of GI stay wire. The stay insulators must be inserted in the stay wire on all stays as per drawing. The wrapping of the Guy wire strands at both ends the stay insulator must be even and must presents neat appearance and good workmanship. No stay should be left loose but should be tight and straight to withstand in say cyclone or sand storm, the item includes refilling of earth and painting of fabrication material. If stays are not required to be concreted, a pre casted cement concrete block will be supplied by the department from his division store which the contractor will have to transport at his own cost to the site of work and will have to use for fixing of anchor rod at site.

(H) Earthing:

A pits of 2 X 2 X 5 foot is to be dig about 4 foot away from the pole on which earthing is required to be carried out. The earthing pipe/earthing plate/earthing coil supplied by the company shall be used as per specification and drawing. GI wire no. 8 SWG for earthing should be bolted with earthing pipe/earthing plate/earthing coil. G. I. Wire must be passed through PVC rigid Pipe which must be buried at least 0.5 Meter in ground and to be kept 2.0 Meters above ground along the Pole. The earthing are to be done at place as indicted in the pole schedule or as selected by the field Engineer. The coke and salt will have to be supplied by the contractor at his cost. Erection of earthing should be carried out under the supervision of the Engineer in charge or nominated Supervisors. At least 20 KG of salt and 20 KG of coal per earth on alternate layers (as per drawing) will be used by contractor. No amount will be paid if the work is not done in accordance with these specification.

Date:

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(I) Guarding:

The guarding will have to provide at crossing of lines, telephone line crossing, road crossing and any accident prone places as indicated by the Engineer in Charge. The work comprises of fixing of guard cross arms, eye bolts, guard cradle as per design, GI cross lacing wires complete. Any special type of guarding if required will be designed by the department. Binding cross arms must be used where the HT line crosses the road. The ground clearance, line to line clearances etc. to be maintained as per IE Rules 2010 69 and 70. The poles for road crossing may be concreted as instructions of the Engineer In-charge. The work has to be carried out as instructions of the Engineer In-charge.

(J) Painting and Numbering:

Rail poles and girder poles shall be given one coat of approved red-lead paint and two coats of approved aluminium paint. All fabricated material will also be painted with two coats of approved aluminium paint and there should be sufficient interval between every coat of painting in order to allow for drying. The bolts and must shall be dipped in anticorrosive oil before insertion. The lower portion of steel poles up 3 foot above ground level shall be cleaned of all dust and rust. This surface should be given a base coat of red lead and an additional coat of black bituminous paint before inserting in the ground. The good quality paint will be supplied by the contractor and should be of I.S.I mark and will be got approved from Executive Engineer, prior to starting work.

Name of the feeder and pole number has to be written on all the poles in English/Gujarati as per instruction of Engineer In-charge. The colour of back ground and name/number must be of contrast colour. Prior to apply Colour for Numbering on P.S.C poles, it should be properly cleaned and all accumulations of earth, dirt etc. should be removed.

For all type of pole numbering work, the colour of STANDARD company shall be used as per the instructions of the Engineer In-Charge. Further, if the work done by you fades, gets erased, or becomes light within a period of 5 years, it shall be your responsibility to redo the work at your own cost.

(K) Concreting:

Unless Specified concreting is to be done for Girder Poles/Guys only. No any PSC Pole/Guys to be concreted without any special reason. The Concreting of **PSC Poles** must be approved by concerned **Executive Engineer** prior to execution **as per Tender Condition mentioned under Section III Clause No. 2 and sub clause No. 8**. Certificates for special Reason and approvals must be submitted with detail Bill.

Cement concrete for any pole / stay should be carried out as per specification given by Engineer In-Charge as and where required. Concreting should be with one part of cement, two part of specified quality sand and four parts of well burnt Brice bats (1:2:4). The mixture should be prepared on GI sheet and should be free from the dust. Cement, river sand and metal should be used by contractor at his own cost. The finishing coat of cement plaster shall be applied on outer surface Concreting and boxing for smoothness.

The normal size of concreting of pole shall be 2 X 2 X 2 Feet (0.226 cmt) & that for stay 2 x 2 x 1 Feet (0.113 cmt). **In case of Boxing** for pole, it shall be 18" dia. x 3 feet (h) (2' above and 1' below ground) (0.15 cmt).

Date:

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(L) Distribution Transformer Centre:

The distribution transformer centre (10 KVA to 200 KVA) will be of outdoor type on two poles structures as per standard drawing and 5 KVA Transformers are to be on Single Pole. This work include erection of special two pole structure as per Item No. 2 and fixing of all fabricated material for support of line, L.A., HG Fuse/AB Switch, Transformer, LT Dist. Box, cable wiring, anti-climbing devices etc. The works includes of transportation and hoisting of transformer, numbering and painting of all fabricated materials. For transformer having capacity of 100 KVA and above MS channel shall be utilize which will be supplied by the company. Three Earthing are to be provided on each Transformers.

- 1) Earthing of LA on One side.
- 2) Earthing of all Metal Parts from Top angle and Transformer Body and Dist. Box on other side.
- 3) For neutral, two separate Earth wire on both side of Transformer and to be common at ground.

All three earthing are to be done as in Delta Formation as shown in the attached Drawing. All earthing wires are to be connected by proper size of lug and bolted at each earthing points properly. The Earthing of Transformer Body must be done with lug only. **Looping or winding with Earthing Bolt on Transformer Body is not allowed.** Earthing wire Lugs are to be brought by Contractors. No any extra cost will be paid for this material.

Extra payment for hard soil or rock is payable as per SOR as per committee report to be formed to decide hard soil or rock which shall consists of Concerned SDO, Deputy Engineer (Tech) and Executive Engineer.

The cost of damage done to the transformer while erection/Transportation is recoverable from contractor.

IMPORTANT:

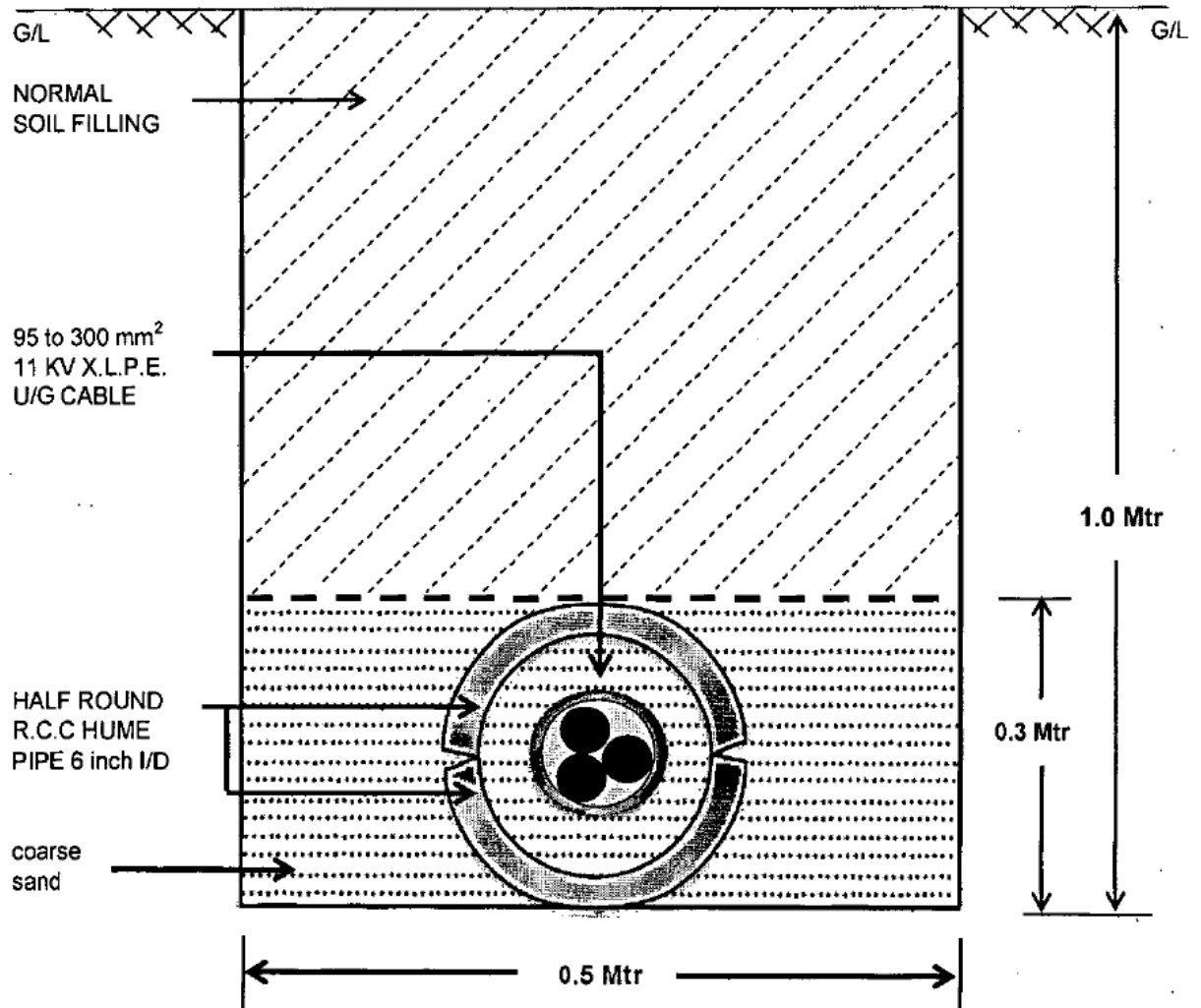
Before starting the work (new, alteration or addition) and during the works the contractor must obtain line clear wherever necessary for the concerned officer of this office of other Office. For any damage done to the Men, Materials and/or property due to non-observance of rules, the contractor will be solely responsible.

Date:

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PASCHIM GUJARAT VIJ COMPANY LTD

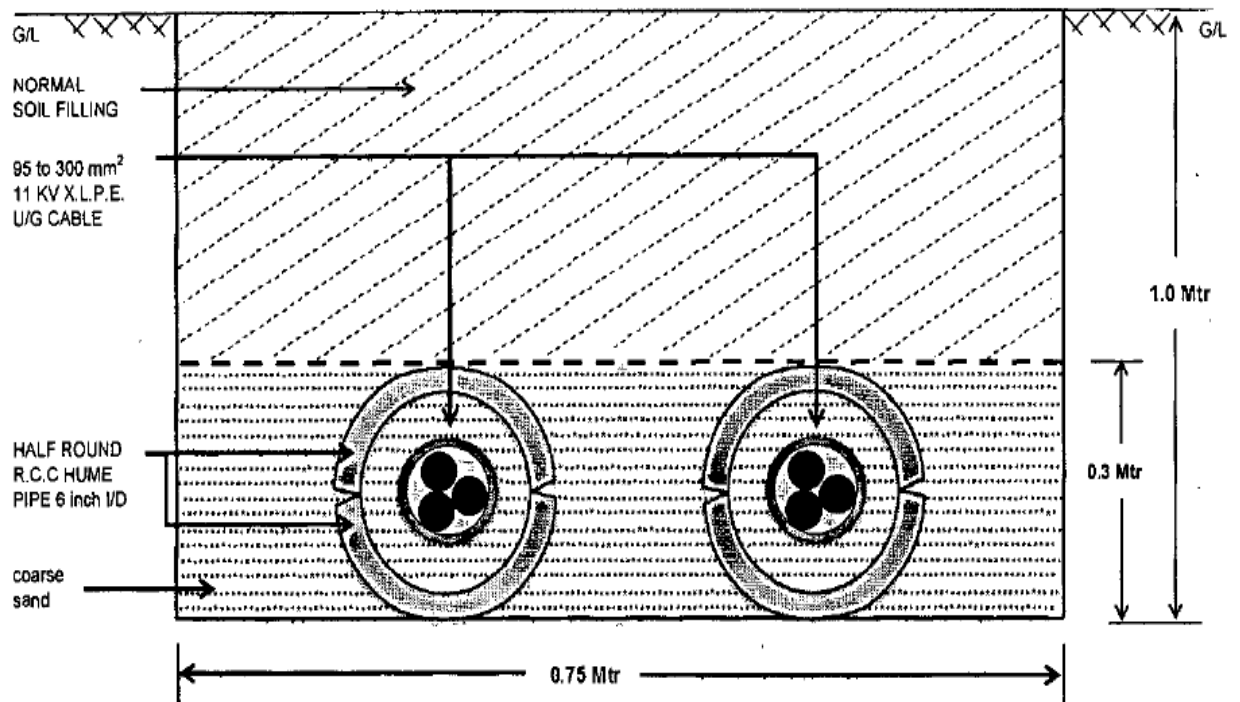
DRAWING FOR LAYING OF ONE NO 11 KV 95 TO 300 mm² X.L.P.E. UNDE GROUND CABLE



Drg. No. : PGVCL/Tech/UG Cable/01/14-15

Date:
Sign & Stamp of the Bidder

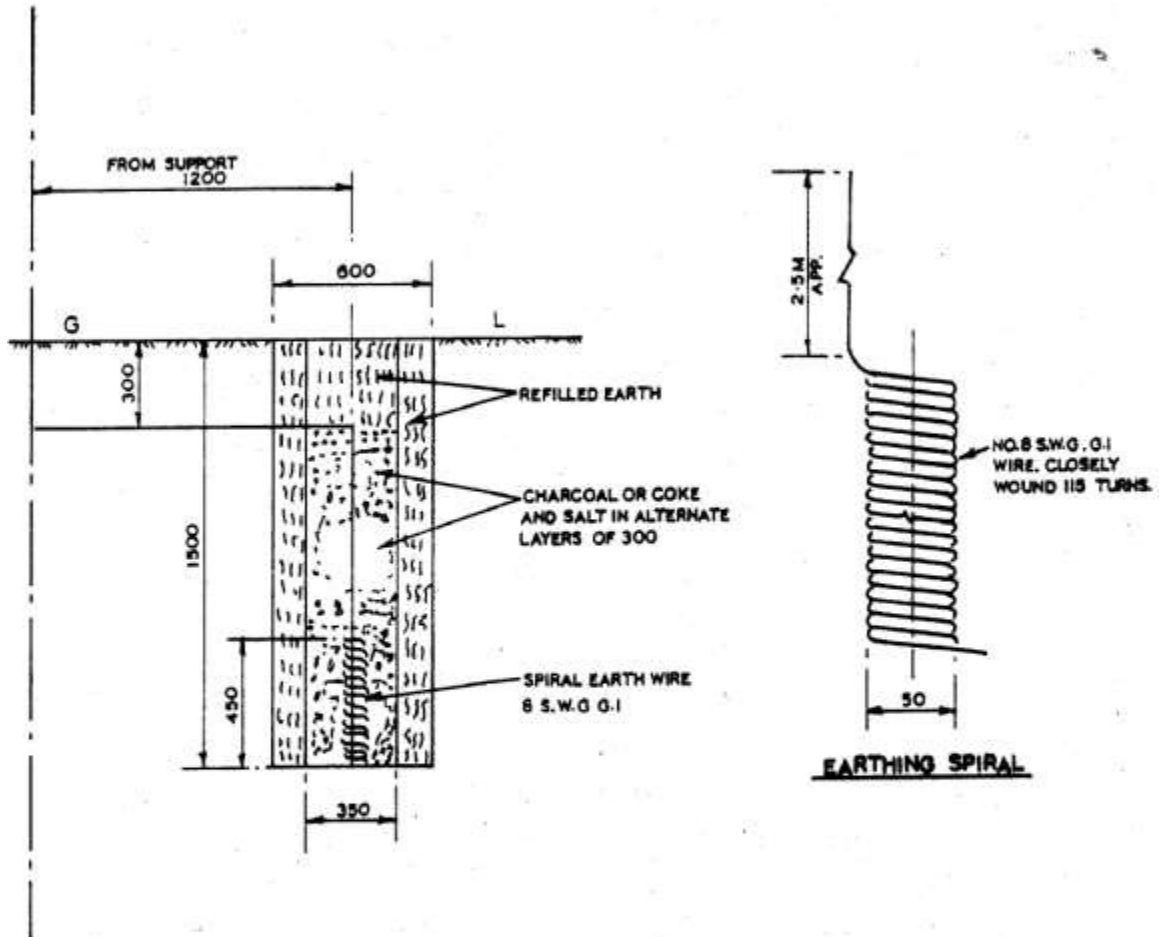
**DRAWING FOR LAYING OF ONE NO 11 KV 95 TO 300 mm² X.L.P.E.
UNDE GROUND CABLE**



Drg. No. : PGVCL/Tech/UG Cable/02/14-15

Date:
Sign & Stamp of the Bidder

**REC
CONSTRUCTION STANDARD
J-1**



NOTE:-

FOR PIPE EARTHING REFER CONSTRUCTION STANDARDS J-2.

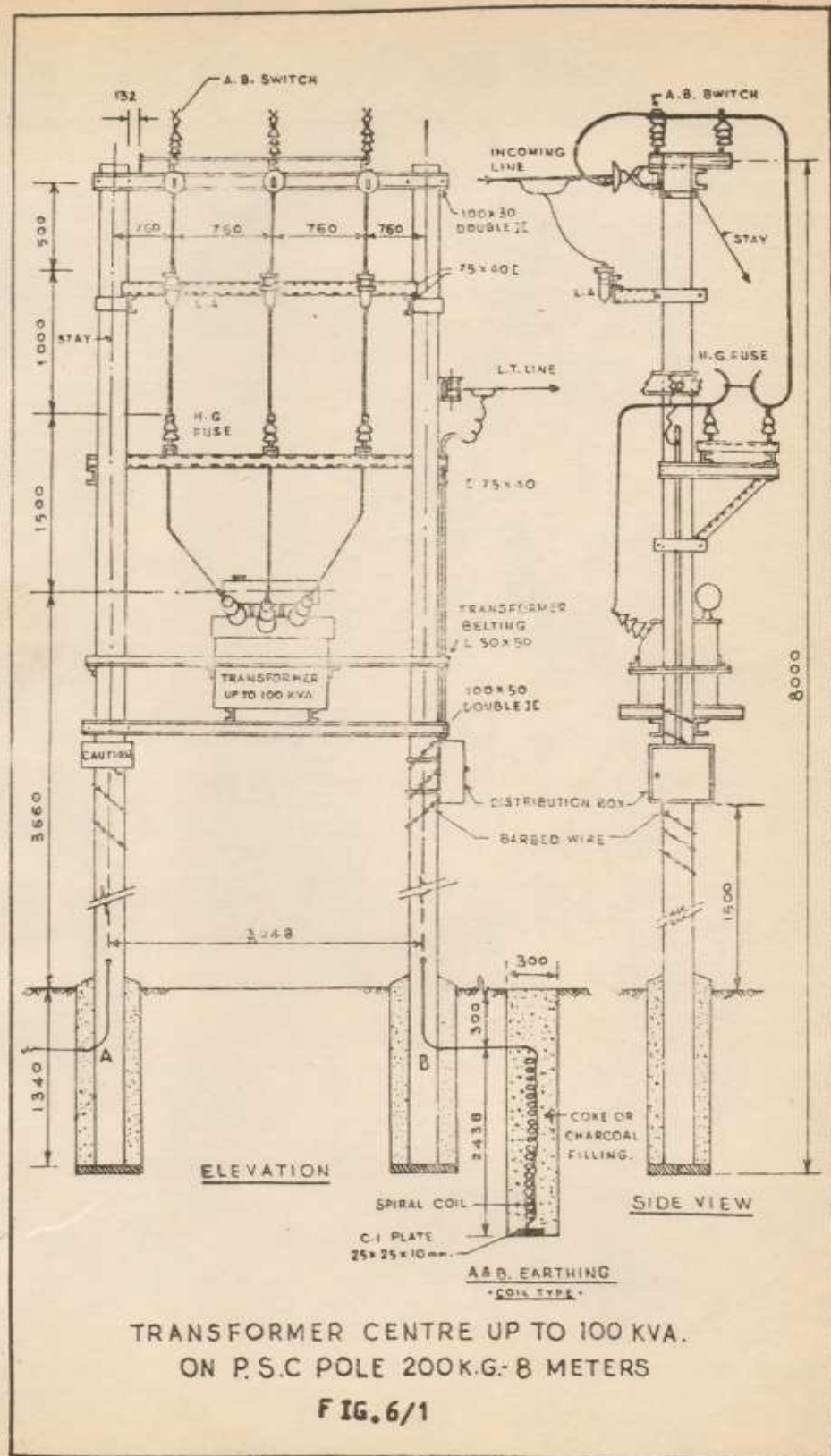
ALL DIMENSIONS ARE IN mm.

कुंडली भू-सम्पर्कन

COIL EARTHING

Date:
Sign & Stamp of the Bidder

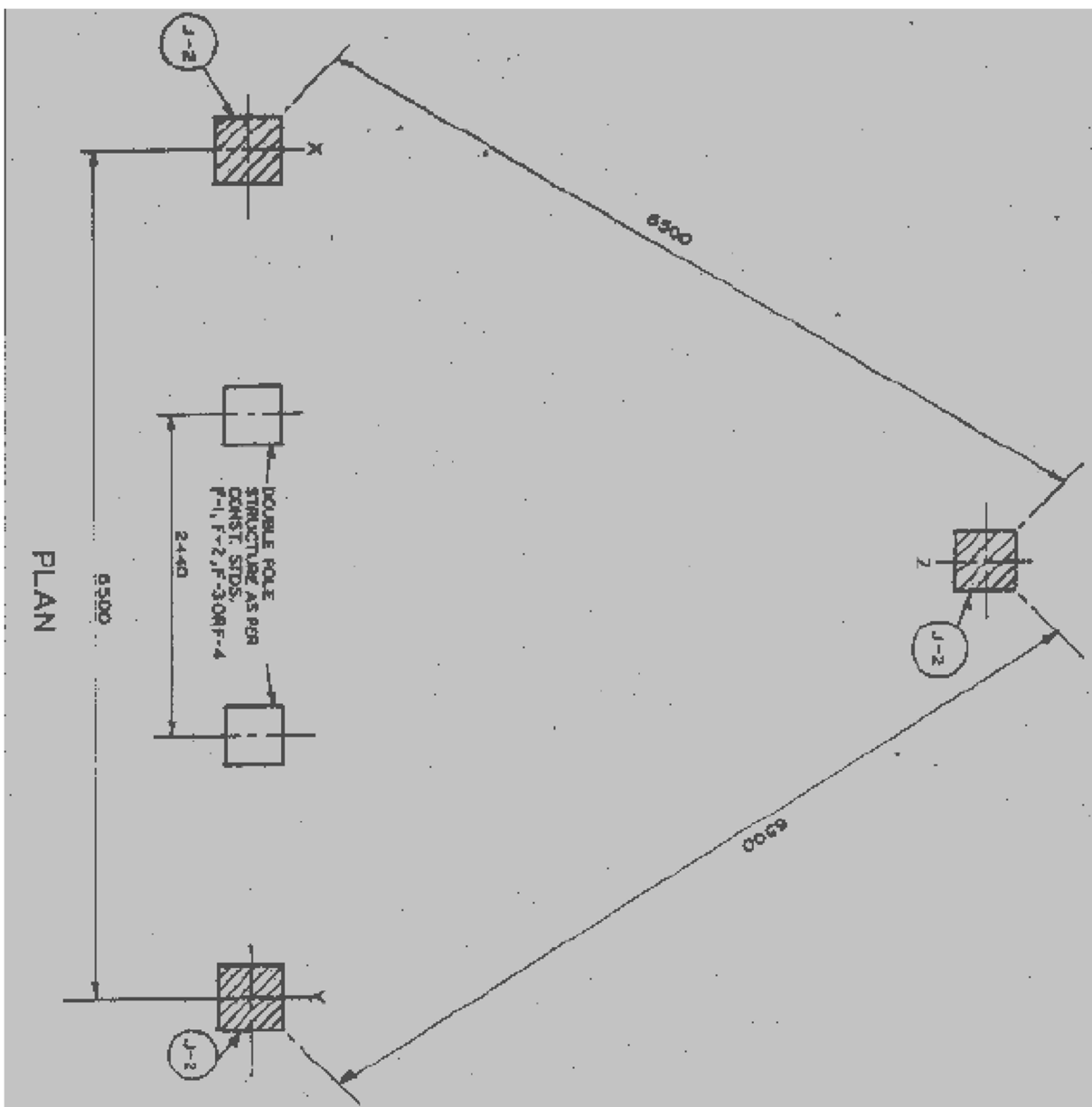
Arrangement of Transformer



Date:
Sign & Stamp of the Bidder

Earthing Arrangement for Transformer Centre

REC
CONSTRUCTION STANDARD
F-5



PLAN

NOTES:-

- i) THE CONNECTIONS TO THE THREE - EARTH ELECTRODES SHOULD BE AS FOLLOWS:-
- (a) TO ONE OF THE EARTH ELECTRODES ON EITHER SIDE OF DOUBLE POLE STRUCTURE (X OR Y).
- (i) ONE DIRECT CONNECTION FROM THREE 11KV LIGHTNING ARRESTERS.
- (ii) ANOTHER DIRECT CONNECTION FROM THE L.T. LIGHTNING ARRESTERS, IF PROVIDED.
- (b) TO EACH OF THE REMAINING TWO EARTH-ELECTRODES.
- (i) ONE SEPARATE CONNECTION FROM THE NEUTRAL (ON THE MEDIUM VOLTAGE SIDE) OF THE TRANSFORMER.
- (ii) ONE SEPARATE CONNECTION FROM THE TRANSFORMER BODY AND THE HANDLE OF THE 11KV. AIR SWITCH.
- (iii) ONE SEPARATE CONNECTION FROM THE LIGHTNING TERMINAL OF THE POLES.
2. 4mm (0.15 in) G.I. WIRE SHOULD BE USED FOR EARTH LEADS.

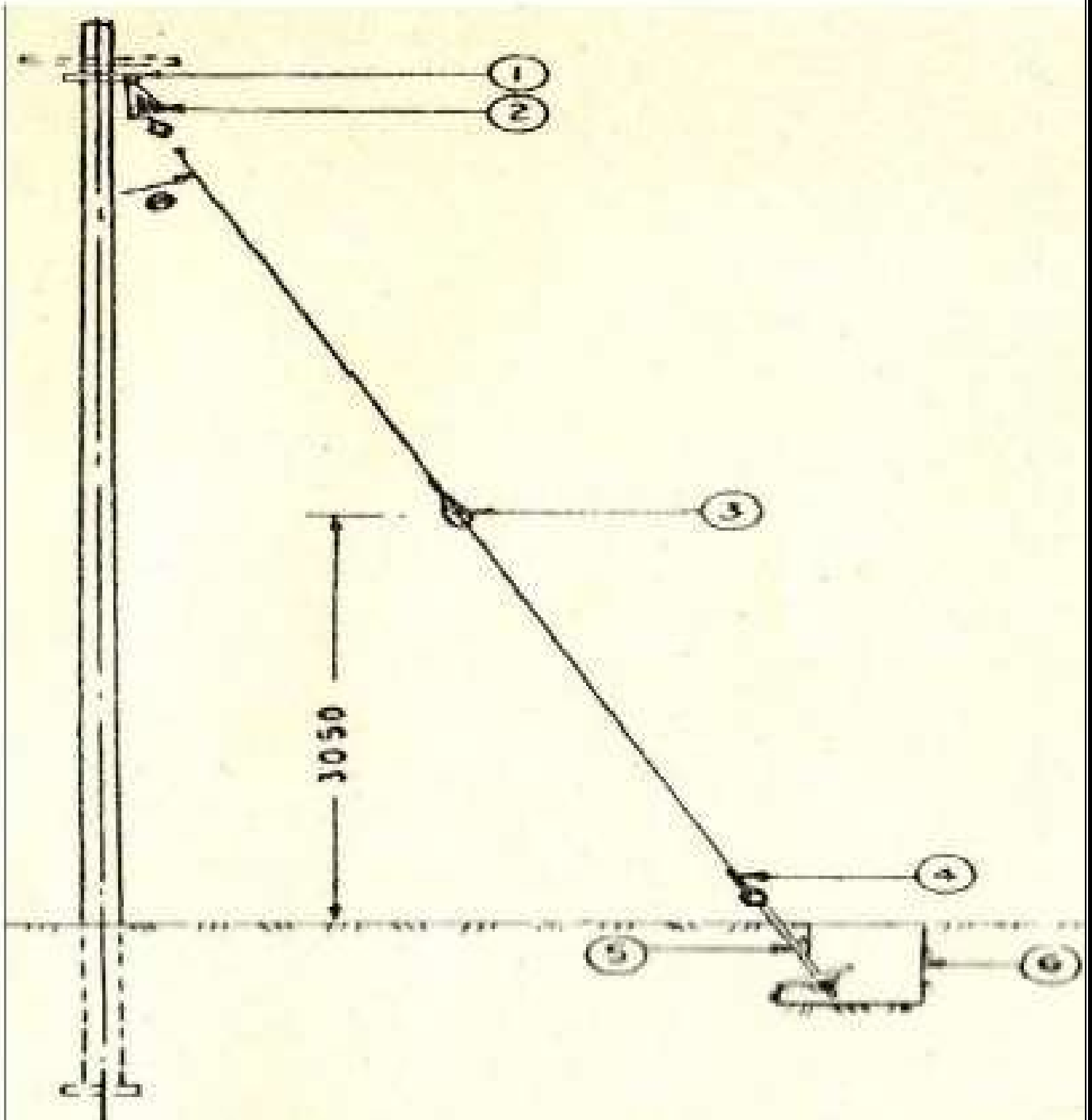
ALL DIMENSIONS ARE IN MM.

११ क. वी. / ११३-२५० वी. वी.
पारस्परिक रूप-रिश्ता
संयोजक के अंतर्गत में
संयोजक के अंतर्गत में

11 KV/433-250V
DISTRIBUTION SUB-STATION
LOCATION OF EARTH PITS
AND CONNECTIONS

R-2 SCALE : N.T.S. 1993 / JAN. - 1993

Date:
Sign & Stamp of the Bidder



- | | | |
|---------------------------|-----------------------------|----------------------------|
| 1. Guy Clamp | 2. Turn Buckle and Eye Bolt | 3. Guy Insulator |
| 4. Guy Wire | 5. Guy Rod | 6. Guy Pit (2 X 2 X 5 ft.) |
| 7. θ 30 to 40 Deg. | | |

Date:
Sign & Stamp of the Bidder

Page 04 of 102

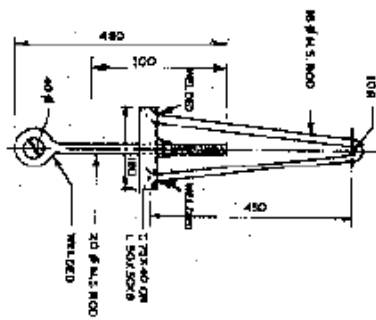
9



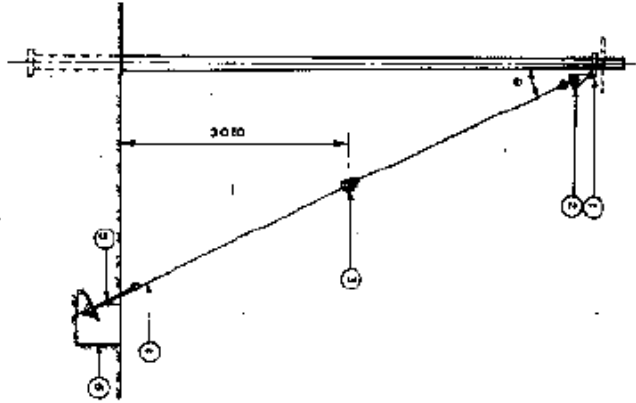
③ STAY INSULATOR MAKE-OFF



④ END MAKING OF GUY WIRE

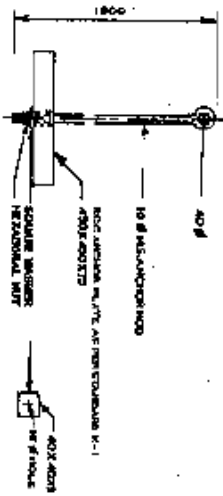


② TURN BUCKLE



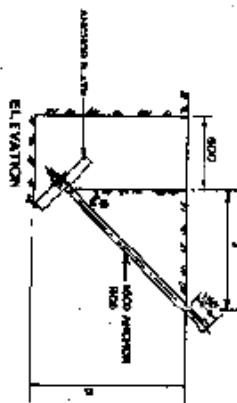
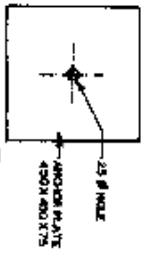
① CLAMP

1 L.T. LINES VERTICAL FORMATION)



PLAN

5 ANCHOR ROD & PLATE



⑥ STAY PIT-ANCHOR ASSEMBLY

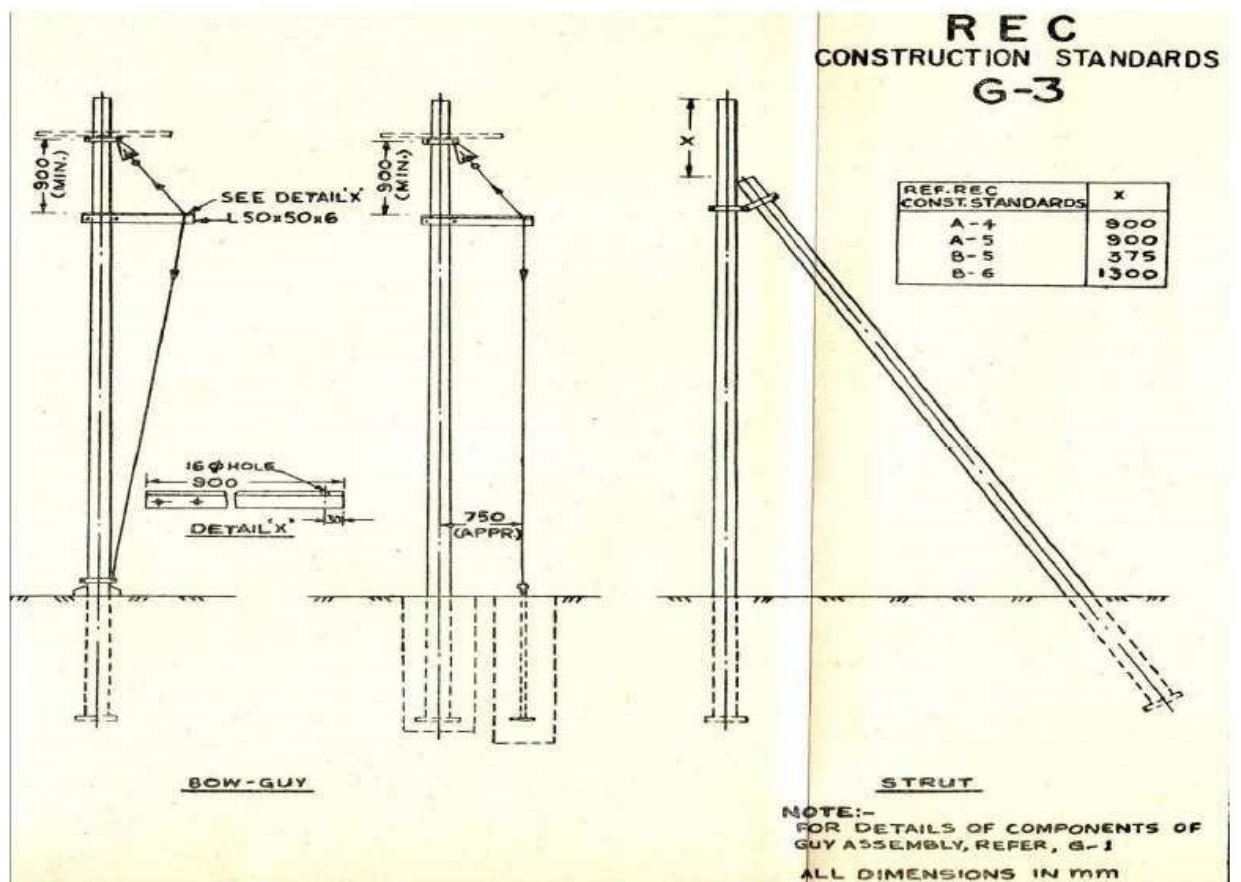
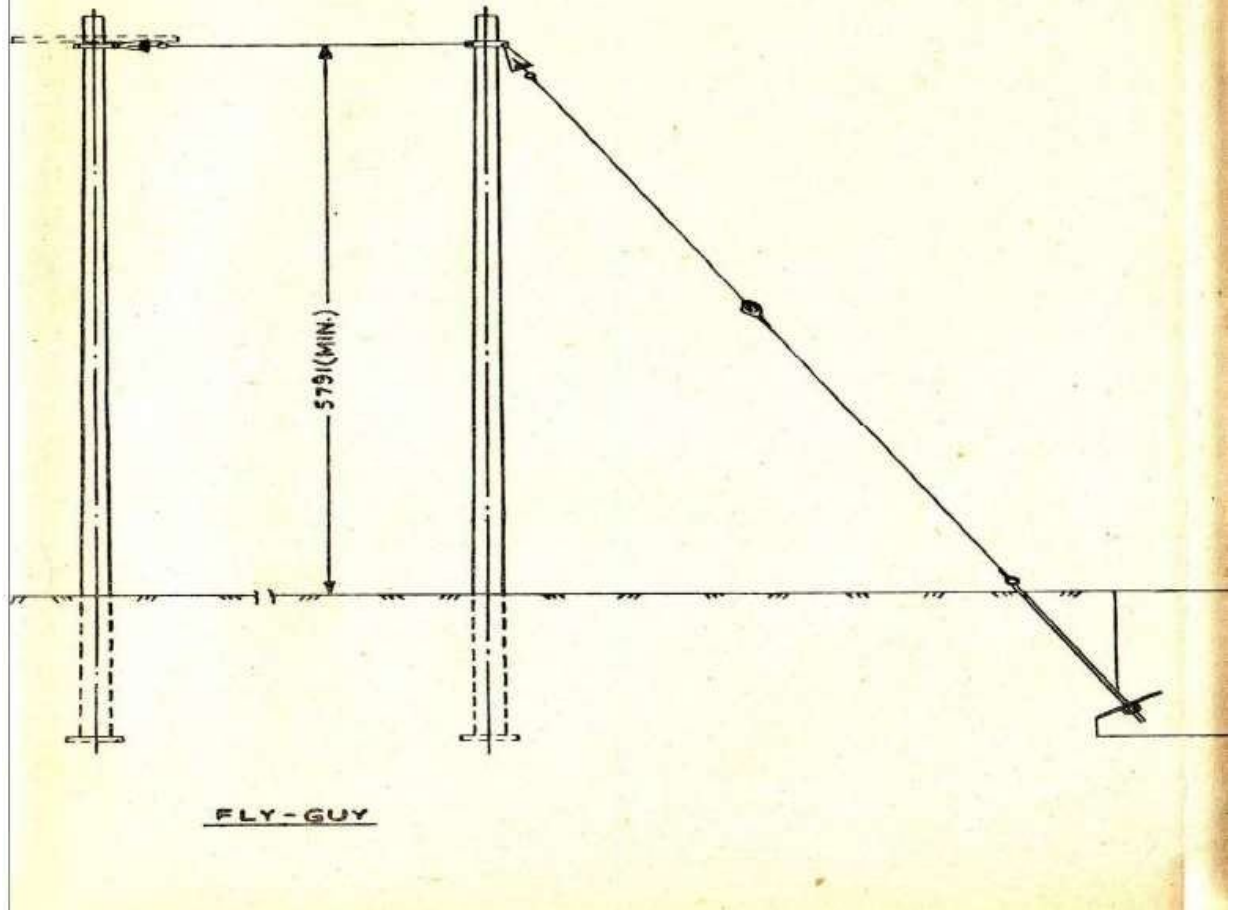
2	30°	45°
4	75°	110°
5	150°	130°

ALL DIMENSIONS ARE IN MM

तीन तारी व्यवस्थापन
(कक्षीय व्यवस्थापन)
GUY ASSEMBLY
CONVENTIONAL ARRANGEMENT

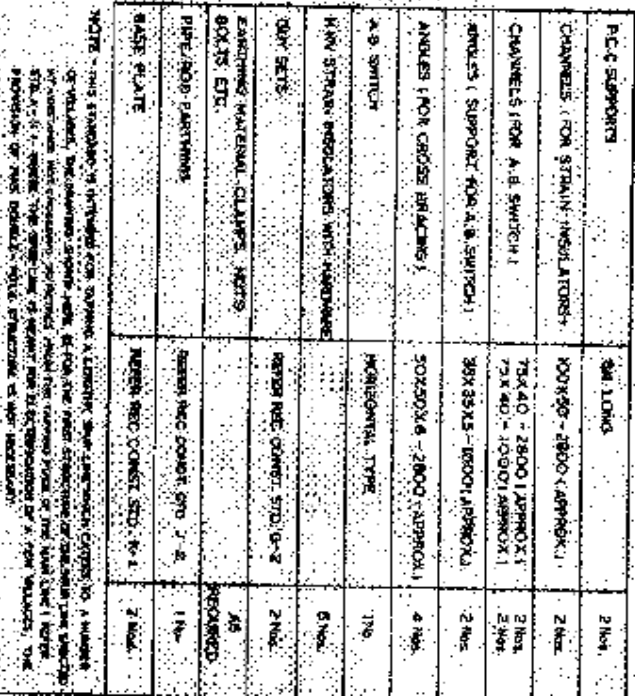
SCALE: N.T.S.	SEPT - 1072
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Date:
Sign & Stamp of the Bidder



Date:
Sign & Stamp of the Bidder

REC
CONSTRUCTION STANDARD
A-12



**TAPONE ARRANGEMENT
FIRST STRUCTURE OF LENGTHY
SPUR LINE**

Date:
Sign & Stamp of the Bidder

Guarding under 11 KV Line

1

—

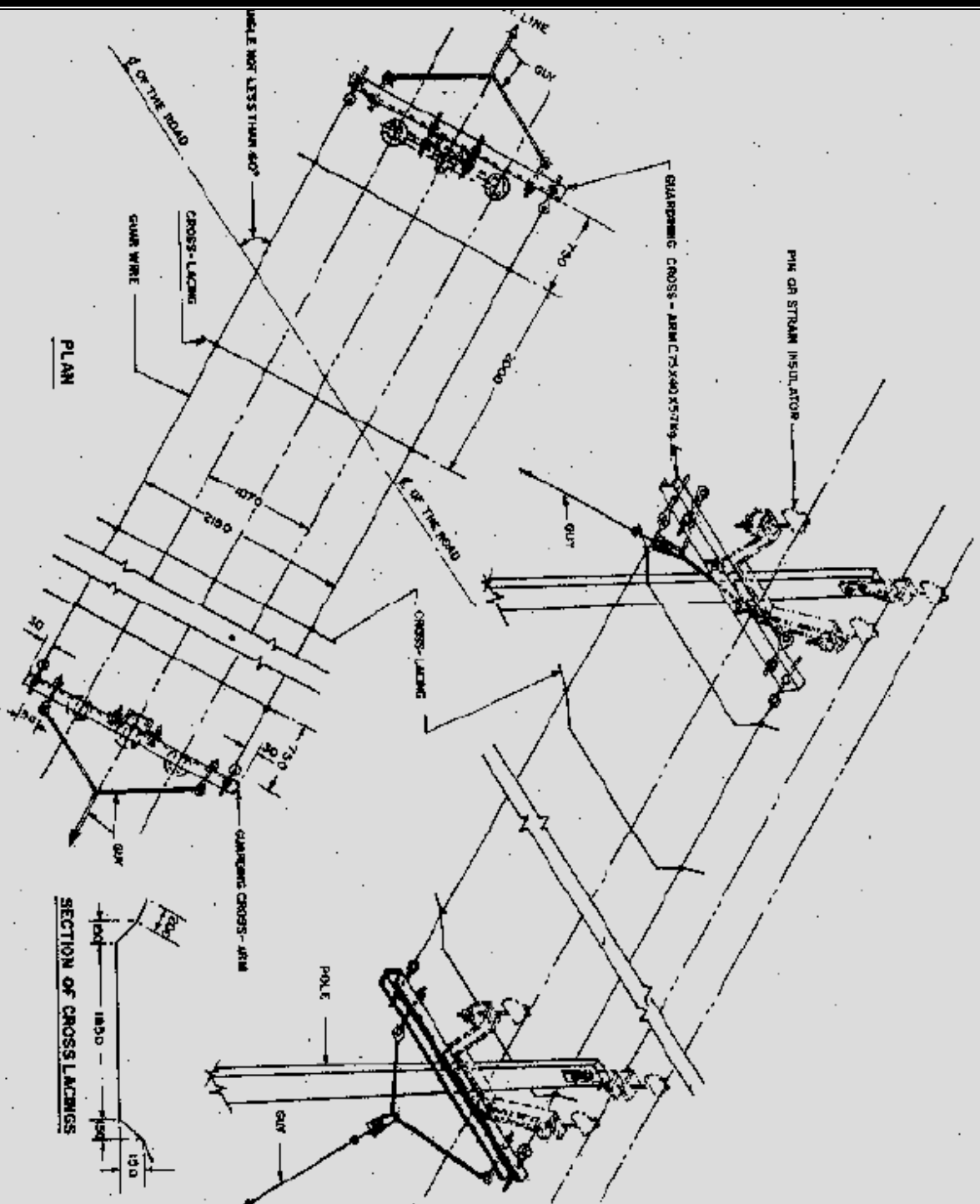
- [illegible]

BILL OF MATERIAL	
CLASPING DRESS-UP	2
Y-ELMS	2
BACK ELAARS	2
ETS BOLTS-16mm #	8
QUARD WINGES	AS REQD
FASTENING COMPLETE	2
BOLTS 16mm #	4

ALL CONCEPTS ARE IN RED.

**IT'S ALL ABOUT
THE WAY YOU DRIVE
THROUGH THE ROAD**

SCALE - N.T.S.	NET - 1072
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Date:
Sign & Stamp of the Bidder

Guarding under LT Line

REC
CONSTRUCTION STANDARD
B-1

BILL OF MATERIAL

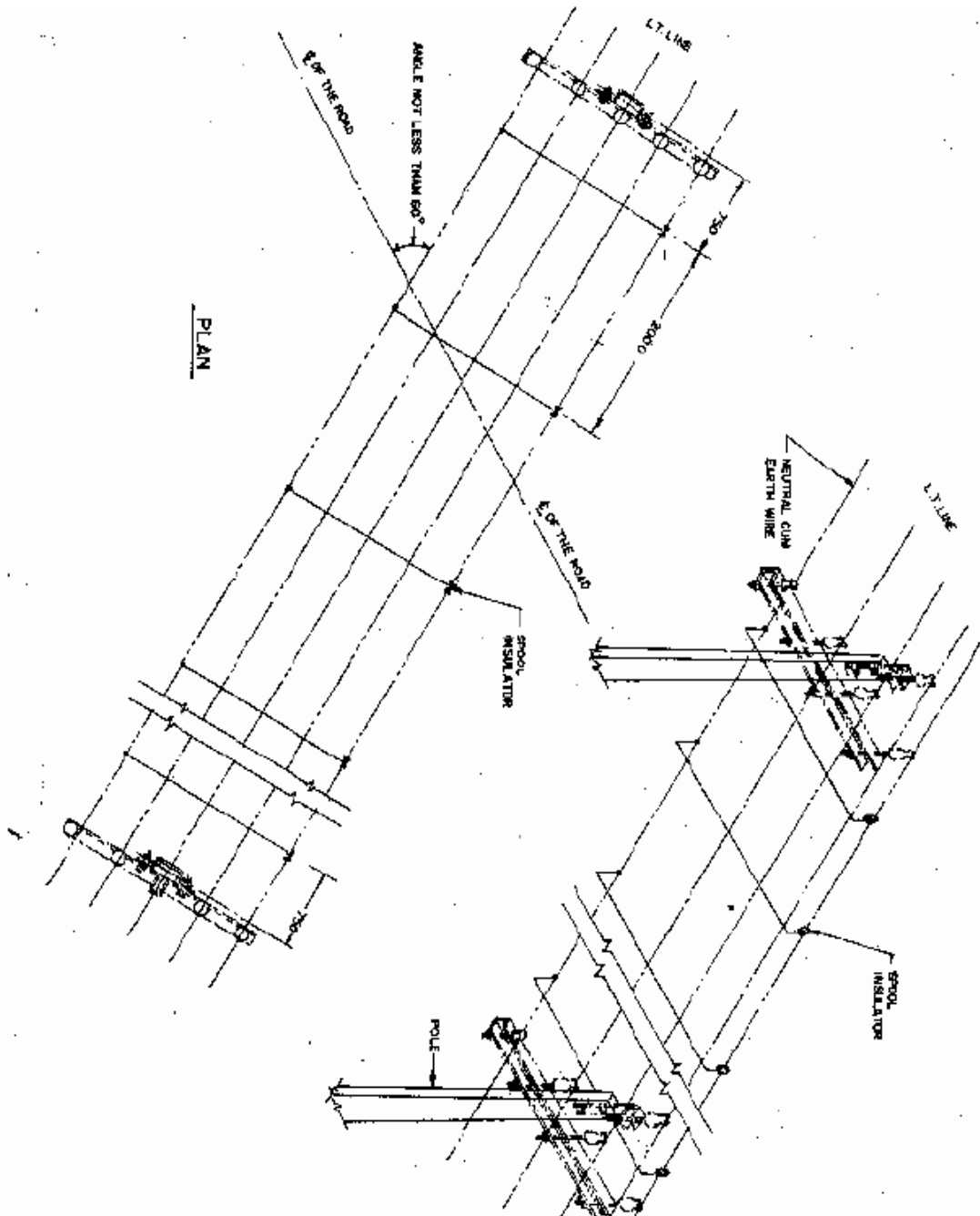
CROSS LINES & SPOOL INSULATOR AS REQ'D.	
1	2

NOTES

1. NUMBER OF CROSS LINES TO SATISFY THE FOLLOWING:
 - a. SPACED LINES SHOULD BE PROVIDED FROM THE CENTER OF THE ROAD PLUS ONE EACH NEAR THE SUPPORT.
2. WITH CROSS LINES AND SPACED LINES, THE FOLLOWING SPACING LENGTHS ON 8.1 VOLTAGE SHALL BE USED:
 - a. 17-20 ft. ON 8.1 VOLTAGE SHALL BE USED.
3. STRUCTURES ON EITHER SIDE OF THE ROAD TO BE EARTHED.
4. THE SAME ARRANGEMENT CAN BE USED IN POPULATED LOCALITIES, WHENEVER NECESSARY.
5. AS CONSTRUCTION IS DONE, LINES ARE SPACED WITH 17-20 ft. ON 8.1 VOLTAGE SHALL BE USED. SHOULD BE USED AS MINIMUM SIZE TO SATISFY THE FOLLOWING:
 - a. 17-20 ft. ON 8.1 VOLTAGE SHALL BE USED.
6. CROSSING ANGLE SHOULD NOT BE LESS THAN 60°.
7. SPECIAL SUPPORTS MAY BE NEEDED TO ALLOW PROPER CLEARANCE FROM GROUND OR FROM THE ROAD NO. 714 278 METERS.

ALL DIMENSIONS ARE IN MM.

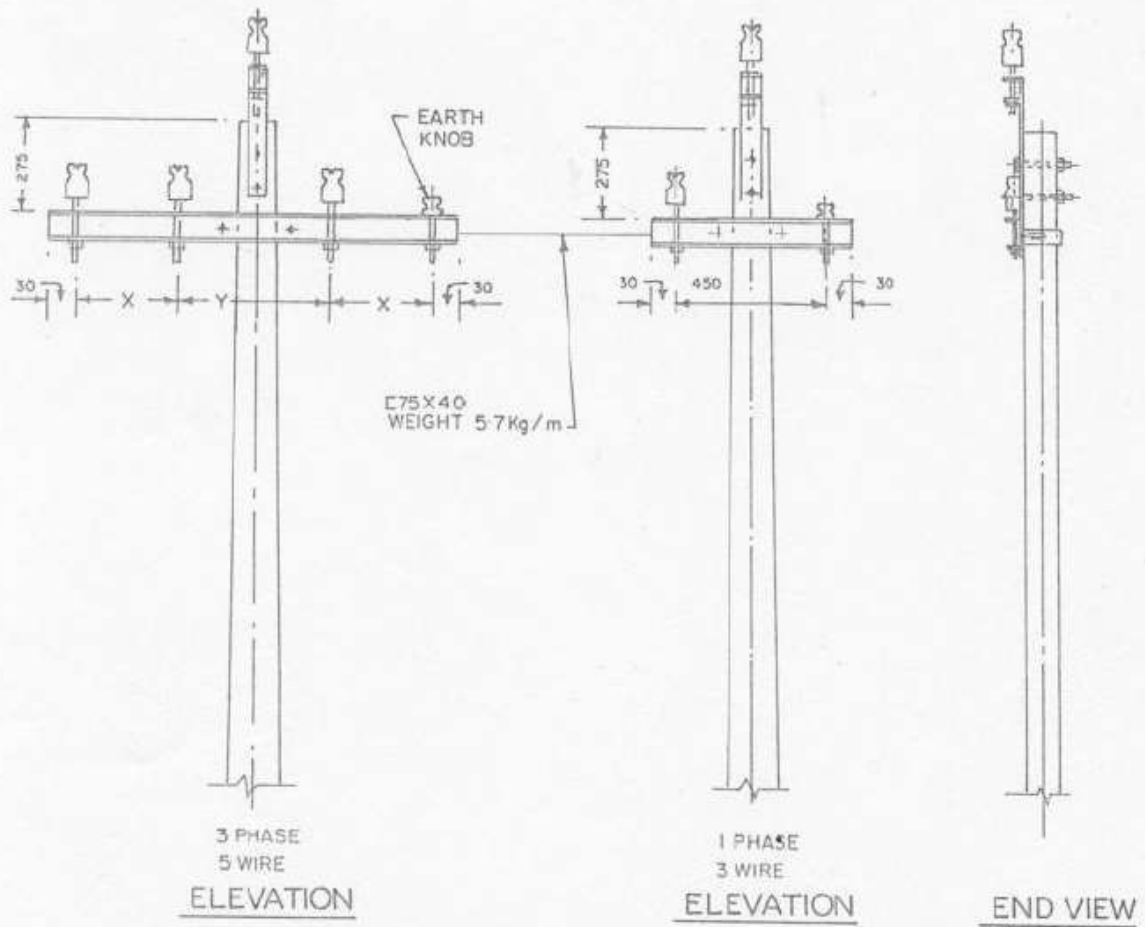
415/240V 3. PHASE
UNGROUND
415/240V LINES
PROTECTIVE GUARDING
ACROSS THE ROAD
HORIZONTAL FORMATION
SCALE: N.T.S. 5071-1072



Date:
Sign & Stamp of the Bidder

LT Line Horizontal Formation and Clearances (415 V)

REC
CONSTRUCTION STANDARD
B-3



TANGENT LOCATION
MAXIMUM SPAN - 67 METRES

SAGS	HORIZONTAL SPACING	
	X	Y
UP TO 750	300	450
750 TO 1200	450	450

ALL DIMENSIONS ARE IN mm

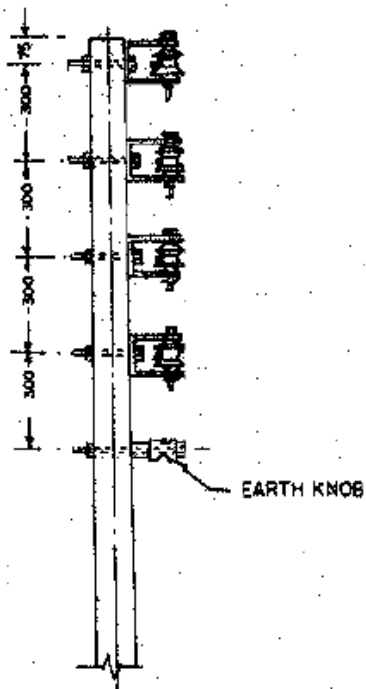
४१५/२४० वी० लाईन
कन्डक्टर रचना व अंतराल
समस्तर रचना
415/240V LINES
CONDUCTOR FORMATION AND
CLEARANCES
HORIZONTAL FORMATION

SCALE:-N.T.S

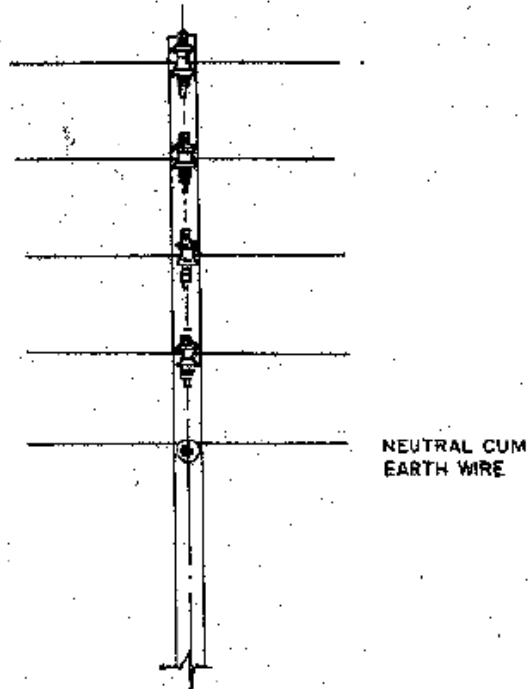
SEPT. - 1972

Date:
Sign & Stamp of the Bidder

REC
CONSTRUCTION STANDARD
B-4



ELEVATION



END VIEW

TANGENT- LOCATION
MAXIMUM SPAN -- 67 METRES

ALL DIMENSIONS ARE IN mm.

४१५/२४० वी. लाईन
कन्डक्टर रचना व अंतराल
छद्दी रचना

415/240V LINES
CONDUCTOR FORMATION AND
CLEARANCES
VERTICAL FORMATION

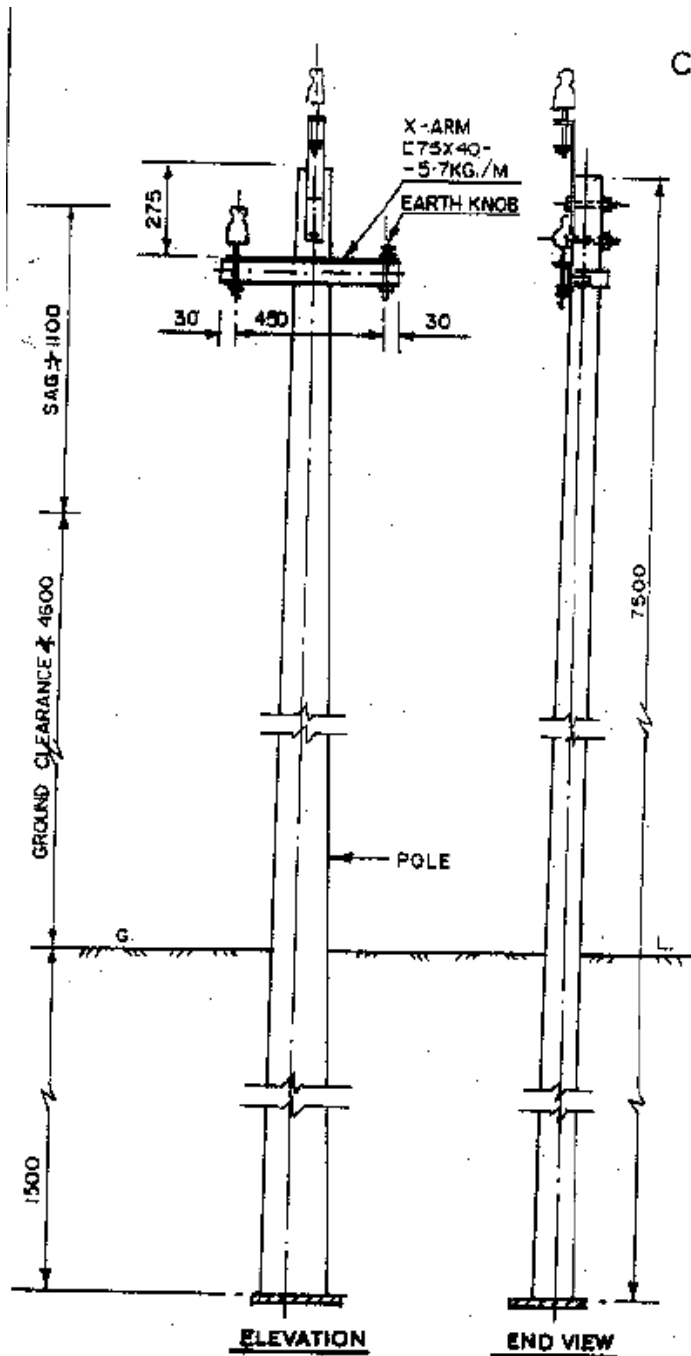
SCALE: N.T.S

SEPT-1972

Date:
Sign & Stamp of the Bidder

LT Line Horizontal Formation and Clearances (230 V)

REC
CONSTRUCTION STANDARD
B-14



BILL OF MATERIAL

7.5M SUPPORT	1
CROSS-ARM	1
BACK CLAMP	1
L.T. PIN INSULATORS	2
L.T. PINS	2
EARTH KNOB	1
POLE TOP BRACKET	1
BOLTS 16 Ø WITH NUTS	4

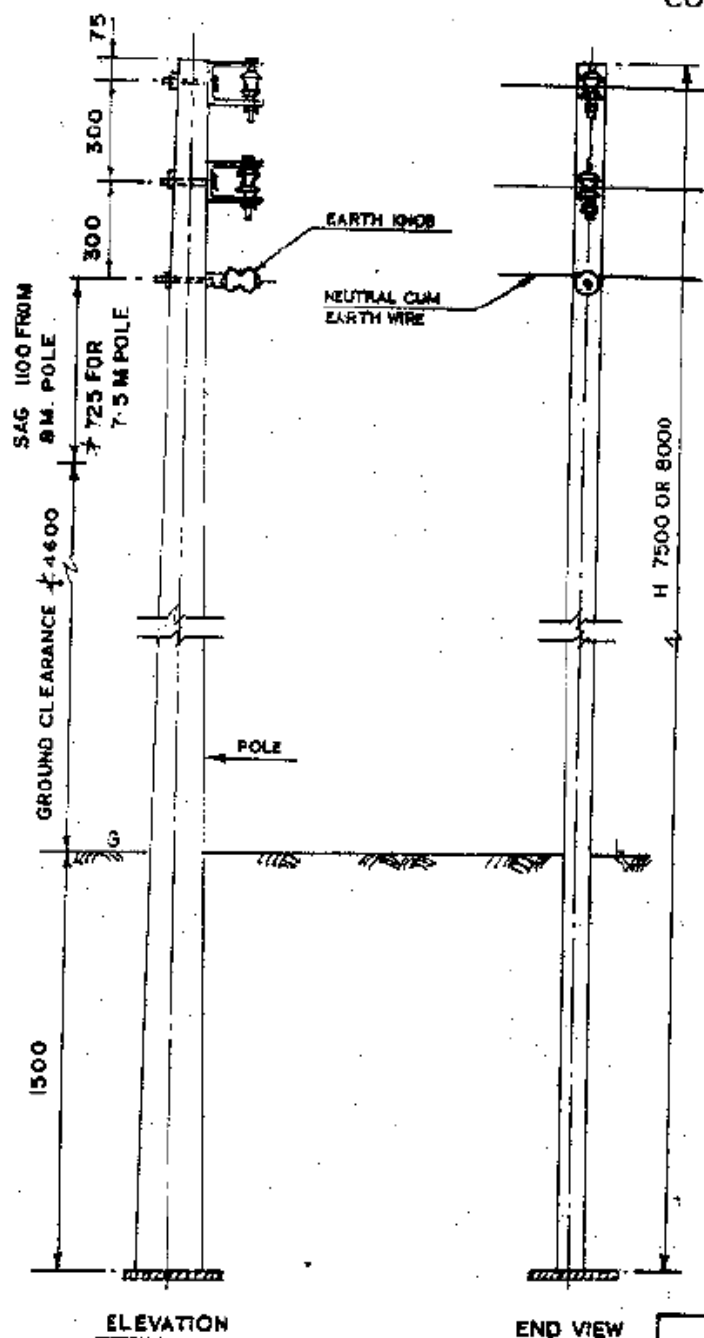
ALL DIMENSIONS ARE IN mm.

२४० वी. लाईन
कंडक्टर रचना एवं अंतराल
१ Ø-३ तार (समस्त रचना)
240V LINES
CONDUCTOR FORMATION AND
CLEARANCES
1 Ø. 3-W (HORIZONTAL FORMATION)
SCALE: N.T.S APRIL, 1981.

Date:
Sign & Stamp of the Bidder

LT Line Vertical Formation and Clearances (230 V)

REC
CONSTRUCTION STANDARD
B-15



BILL OF MATERIAL

SUPPORT 7.5M OR 8.0M	1
U-CLAMP	2
SHACKLE INSULATORS	2
EARTH KNOB	1
BOLTS 18 Ø WITH NUTS	3

ALL DIMENSIONS ARE IN mm

२४० वोल्ट लाईन
कन्सट्रक्शन स्टेण्डर्ड
१-Ø-३ तार (खंडी रचना)
240V LINES
CONDUCTOR FORMATION AND
CLEARANCES
(1-Ø-3-VE VERTICAL FORMATION)

SCALE: R.T.S.

APRIL, 1981

Date:

Sign & Stamp of the Bidder