



**TRANSMISSION CORPORATION OF TELANGANA LIMITED**  
**HYDERABAD - 500 082:: TELANGANA**

**Tender Specification No. TGPMM11- 01/2026**  
**For supply of 33KV Lightning Arrestors**

The CHIEF ENGINEER (P&MM),  
Room No. 207 B-Block, Vidyut Soudha,  
Khairatabad, Hyderabad-500082

**Web-Site: [www.tgtransco.com](http://www.tgtransco.com)**

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**Phone No. 040-23396000 EXTN. 3670,3583, 3276,3343**

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**SECTION-I**  
**Notice Inviting Tenders (NIT)**

1. Department Name : TRANSMISSION CORPORATION OF TELANGANA LIMITED

2. Circle/ Division Name : Chief Engineer/P&MM

3. Bid Notice No. : **TGPMM 11-01 /2026**

4. Bid Subject : Supply of 256 Nos. 33KV Lightning Arrestors

5. Estimated Contract Value (ECV) : Rs. 12,60,032.00

6. Period of Contract : Delivery period + 18 months Guarantee period

7. Form of Contract : Supply of Material

8. Bid Type : Open

9. Bid Category : Goods

10. BID SECURITY : Rs. 25,200.00

11. BID SECURITY Payable to : Demand Draft in the name of “Pay Officer, TGTRANSCO” payable at Hyderabad (or)

Bank Guarantee in favour of “Chief Engineer/P&MM TGTRANSCO, Vidyut Soudha, Hyderabad – 500 082”.

12. Schedule Availability Date : From 7.30 PM on 21-01-2026

13. Pre-bid meeting date & time : 3.00 PM on 10-02-2026

14. Schedule Closing Date &Time for downloading of Bid document : -----

15. Bid Submission closing Date & time : 03:00 P.M. on 19-02-2026

16. Bid Submission : Online

17. P.Q / Technical Bid Opening Date (Qualification and Eligibility stage) : At 03.30 PM on 19-02-2026

18. Price Bid Opening Date & Time : Will be opened on line

**19. Eligibility Criteria:**

19.1 The detailed Qualifying Requirements are indicated in Section-VI.

**19.2 Responsibility for correctness of the information submitted in online bid lies with bidder. If any information furnished in the bid is proved to be false at a later date, the bid will not only be rejected but the bidder will be BLACKLISTED.**

**20. Officer Inviting Bids: Chief Engineer / P&MM /TGTRANSCO**

**21. Address: Room No. 207 B-Block, Vidyut Soudha, Khairatabad, Hyderabad-500082**

**22. Contact Details:**

Phone : 040-23396000 EXTN. 3736,3583, 3276 3343

**23. Procedure for bid submission:**

23.1 The Bids should be in the prescribed form, which can be obtained from e-procurement platform from the date of electronic publication up to the time and date indicated in the bid notice. The intending bidders would be required to enroll themselves on the e-procurement market place **https:// tender.telangana.gov.in.**

Those contractors who register themselves in the e-procurement market place can download the Bid schedules free of cost. The bidder shall authenticate the bid with his digital certificate for submitting the bid electronically on e-procurement platform and the bids not authenticated by digital certificate of the bidder will not be accepted on the e-procurement platform following the G.O.Ms.No.6, I.T&C Department, dated 28-02-2005. **For enrolment and Registration TSTS (Telangana Unit) i.e., TSTS, Burgula Ramakrishnaraao Building, Hyderabad is to be contacted.**

23.2 Intending bidders can contact office of the Chief Engineer / P&MM, TSTRANSCO, Vidyut Soudha, Hyderabad for any clarification/ information on any working day during working hours.

23.3 The bidders who are desirous of participating in e-procurement shall submit their technical bid, price bid etc. in the standard formats prescribed in the bid documents displayed at e-market place. The bidders should invariably upload the statement showing the list of documents uploaded in the e-market place in support of their technical bid. The bidder should upload scanned copies of all the statements, certificates, documents etc. as called for hereunder, duly signed by him, owning responsibility for their correctness/ authenticity.

23.4 Technical bid evaluation of the bidders would be done on the certificates/ documents uploaded/furnished by the bidder against the qualification criteria.

23.5 The bidders shall invariably upload the scanned copy of Bid Security, either Demand Draft/ Bank Guarantee. The successful bidder shall furnish the original of the same either personally or through courier or by post within the stipulated time specified by the purchaser.

23.6 The bidder shall invariably upload the following:

- a) Documentary evidence to establish the quantities supplied so far such as Invoices, Delivery Challans, GST documents etc. along with Purchase Orders against 40% quantity of supply and 20% quantity of satisfactory performance to meet the Qualifying Requirements.
- b) Performance reports to meet QR-Performance along with the documentary evidence in support of the same such as copies of purchase orders, invoices, Delivery Challans etc.
- c) Documents in respect of Financial Turnover of last five years etc.
- d) Type test reports as per the bid specification,
- e) Guaranteed Technical Particulars (GTP), drawings etc.
- f) Other declarations/statements/ information as per the formats of bid specification.

23.7 The bidder shall furnish original of all documents/ certificates/ statements uploaded by him whenever sought by the Purchaser. The successful bidder shall furnish their company broachers, technical write-ups and printed materials if any.

**23.8 The bidder shall furnish the declaration that:**

- a) They have not been blacklisted/ debarred by any department due to any reasons, as per the format enclosed.
- b) They will agree to get disqualified themselves for any wrong declaration in respect of the above and get their Bid summarily rejected.
- c) The soft copies uploaded by them are genuine.

Any incorrectness/ deviations noticed will be viewed seriously and apart from cancelling the contract, duly forfeiting the Bid security, criminal action will be initiated including suspension of business and/ or black listing.

**24. General Terms & Conditions:**

Bids are invited on the e-procurement platform for the above-mentioned procurement from the firms eligible.

24.1 Bid security shall be paid in the shape of crossed Demand Draft drawn in favour of the 'Pay Officer, TGTRANSCO', payable at Hyderabad (or) Bank Guarantee issued from any Scheduled Bank to be valid for a period of 60 days over and above the validity of Bid i.e. 150 days from the date of bid opening. Scanned copy of Demand Draft or Bank Guarantee towards Bid security shall be uploaded along with the Bids. Originals must be submitted by successful bidder to the purchaser through registered post/ courier/ in person before placing of the order.

24.2 Exemption for payment of Bid security is not allowed in any case. The permanent Bid Security Bank Guarantee accepted earlier is deemed to have been withdrawn. Permanent Bid Security Bank Guarantee is not accepted. Bid security extensions accorded earlier are deemed to have been withdrawn.

24.3 Bid schedules: Bid schedule can be downloaded free of cost from the web site <https://tender.telangana.gov.in>.

24.4 The bidder is subject to be disqualified, if he is found to have mislead or furnished false information in the forms/ Statements/ Certificates submitted in proof of qualification requirements and any record of abandoning supplies, not fulfilling contractual obligations in earlier contracts, inordinate delays in completion of supplies, litigation history, Financial failures or participating in the previous Bidding for the same supply and quoting unreasonably high price.

Even while execution of the contract, if it is found that the bidder had produced false/fake certificates of experience, he will be black listed and the contract will be terminated and his Bid security will be forfeited and contract will be carried through other agency at his cost and risk.

24.5

- a) Transaction fee: The participating bidders have to pay transaction fee of 0.03% on Estimated Contract Value (ECV) with a cap of Rs 10000/- (Rupees ten thousands only) for all tenders with ECV upto Rs. 50 Crores plus applicable GST, and Rs.25000/- (Rupees Twenty Five thousand only) plus applicable GST for tenders with Estimated Contract Value (ECV) above Rs.50.00 crores on line payment gateway with any master/visa credit card issued by any Bank and through net Banking facility(direct debit) with AXIS/ICICI or HDFC Banks at the time of bid submission. Submission is mandatory as per GO Ms No.13. Payment of transaction fee through DD will not be accepted".
- b) Corpus Fund: The successful bidder shall pay an amount equivalent to 0.04% of ECV (estimated contract value) with a cap of Rs. 10,000/- (Rupees Ten Thousand only) for all tenders with ECV up to Rs.50.00 Crore and Rs.25,000/- (Rupees Twenty Five Thousand only) for tenders with ECV above Rs.50.00 crore on e-Procurement platform, before entering into agreement/issue of purchase orders towards e-Procurement fund through online only.

24.6 In case of discrepancy with Bid conditions in the Bid document and NIT, the condition in the Bid document prevails.

24.7 Note:

- a) Any other condition regarding receipt of Bids in conventional method appearing in the Bid documents may please be treated as not applicable.
- b) The bidders are to upload the information preferably in Zip format.
- c) The bidders should upload the documents duly signing each and every paper.
- d) Bidders are requested to go through all the clauses and contents of specification thoroughly and quote the bid. Ignorance of clauses will not be entertained by the purchaser at later date.

**SECTION-II (A)**  
**INSTRUCTIONS TO BIDDERS**

The Chief Engineer/P&MM/TGTRANSCO, Vidyut Soudha, Hyderabad invites bids on e-procurement platform in two parts for the materials indicated in the “Schedule of Requirements” during the period, for which dates and time specified in the NIT, and will be opened by (him) or his nominee at this office on the date and time mentioned in the NIT.

- 1.1 The intending Bidders would be required to enroll themselves on the ‘e-procurement’ market place at <https://tender.telangana.gov.in>.
- 1.2 The Bids should be in the prescribed form invited on e-procurement by the Chief Engineer/P&MM/TSTRANSCO, Vidyut Soudha, Hyderabad (as specified in NIT) that can be downloaded free of cost from the website <https://tender.telangana.gov.in>.
- 1.3 The dates stipulated in the Bid notice, i.e. NIT are firm and under any circumstances they will not be relaxed unless officially extended.
- 1.4 The Bidder should upload scanned copies as specified in checklist and all enclosures required for the schedules and Appendices. Bidders should produce the originals of Bid Security and all other documents for verification within 3 (Three) days if asked for, by the Competent Authority.
- 1.5 Transaction fee: The Transaction fee at 0.03% on ECV (Estimated Contract Value) in Transaction fee: The Transaction fee at 0.03% on ECV (Estimated Contract Value) in total against which the Bidder has offered his Bid with a cap of Rs 10000/- for all procurements with ECV up to Rs 50 Cr and Rs 25000/- plus applicable GST for procurements with ECV above Rs 50 Cr, and applicable GST. Transaction Fee & other charges shall be paid by either Credit Card or Debit Card. The Payment Gateway accepts all Master and VISA credit cards issued by any bank to conduct the transaction. The facility is mandatory for all bidders.
- 1.6 Corpus fund: The successful bidder shall pay an amount equivalent to 0.04% of ECV (estimated contract value) with a cap of Rs. 10,000/- (Rupees Ten Thousand only) for all tenders with ECV up to Rs.50.00 Crore and Rs.25,000/- (Rupees Twenty Five Thousand only) for tenders with ECV above Rs.50.00 crore on e-Procurement platform, before entering into agreement/issue of purchase orders towards e-Procurement fund through online only.
2. The successful Bidder is expected to complete the supplies within the time period specified in the ‘Schedule of Requirements’ (Section-IV).

**Bidders / Firms eligible to Bid :**

- 2.0 The Bidders / Firms who
  - a) Possess the valid registration as mentioned in the NIT and satisfies all the conditions therein.
  - b) Are not blacklisted or debarred or suspended by any department for whatever be the reason, prohibiting them not to continue in the contracting business
  - c) Have complied with the eligibility criteria specified in the NIT are the eligible Bidders /Firms.

**2.1 Bidders / Firms ineligible to Bid:**

- a) A retired officer of the Govt. of Telangana or Govt. of India executing works/supplies is disqualified from Bidding for a period of two years from the date of retirement without the prior permission of the Government.
- b) The Bidder who has employed any retired officer as mentioned above shall be considered as an ineligible Bidder.
- c) The contractor himself or any of his employee is found to be Gazetted Officer who retired from Government Service and had not obtained permission from the Government for accepting the contractor's employment within a period of 2 years from the date of his retirement.
- d) The Contractor or any of his employees is found at any time after award of contract, to be such a person who had not obtained the permission of the Government as aforesaid before submission of the Bid or engagement in the Contractor's service.
- e) Contractor shall not be eligible to Bid for works/supplies in TGTransco where any of his near relatives are employed in the rank of Assistant Engineer or Assistant Executive Engineers and above on the Engineering side and Assistant Accounts Officer and above on the accounts side. The Contractor shall intimate the names of persons who are working with him in any capacity or are subsequently employed. He shall also furnish a list of Gazetted /Non-Gazetted State Government Employees related to him. Failure to furnish such information Bidder is liable to be removed from the list of approved contractors and his contract is liable for cancellation. The list of relatives deemed to be near relatives is as per annexure to Form-9.

Note: Near relatives include

Sons, step sons, daughters, and step-daughters.  
 Son-in-law, and daughter-in-law.  
 Brother-in-law, and sister-in-law.  
 Brothers and Sisters.  
 Father and Mother.  
 Wife / Husband.  
 Father-in-law and Mother-in-law  
 Nephews, nieces, uncles and aunts  
 Cousins and  
 Any person residing with or dependent on the contractor.

**3.0 Documents to be furnished for Qualification Requirements of the Bidders :**

3.1 The Bidder shall furnish the following particulars in the formats provided online and supported documentary evidence shall be uploaded:

Attested copies of documents relating to the Registration of the firm, Partnership deed, Articles of Association, Commercial Tax Registration/ GST/ TIN Number, Latest Income Tax Clearance certificate/ latest IT return and PAN number from IT Department.

**Note:** The Partnership firms, which are registered as Contractors shall intimate the change in partnership deed, if any, as per GO Ms No.58, I & CAD, dated 23-04-2002 within one month of such change. Failure to notify the change to the registration authority in time will entail the firms to forfeit their registration and their Bid will be rejected. The intimation of change of partners if any and the acceptance by the Registration authority may be enclosed.

Availability of key personnel for administration/ site management and execution viz., technical personnel required for the work.

- 3.2 Bids from Joint Ventures / agents / consortiums are not acceptable. .
- 3.3 Qualification criteria for opening of the price bid:
- 3.4 Even though the Bidders meet the above qualification requirements, they are liable to be disqualified / debarred / suspended / blacklisted if they have:
  - 3.4.1 Furnished false/ fabricated particulars in the forms, statements and/ annexures submitted in proof of the qualification requirements and/or,
  - 3.4.2 Not turned up for entering into agreement, when called upon with in the time specified in the letter of acceptance,
  - 3.4.3 Record of poor progress such as abandoning the work/supplies, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.,
  - 3.4.4 Participated in the previous bidding for the same work and had quoted unreasonably high Bid percentage and,
  - 3.4.5 A history of criminal record in which the Bidder is involved if any.
  - 3.4.6 Even while execution of the contract, if found that the contract was awarded to the Contractor based on false/fake certificates of experience, the Contractor will be blacklisted and contractor will be taken over invoking clause-61 of PS to APSS.
  - 3.4.7 History of litigation with the Government during the last five years in which the Bidder is involved.
  - 3.4.8 Bidders should specifically indicate whether their firm has been banned/ blacklisted/debarred by any Government department/undertaking or any power utility for non-performance/malpractice or due to any reason. Bids of bidders who are banned/ blacklisted/debarred will be treated as non-responsive.

### **3.5 ELIGIBILITY CRITERIA:**

The Bidder should quote for all items of the Bid invariably and shall meet the Qualifying Requirements in respect of the following aspects as detailed in Section-VI of this Specification.

- a) Physical Experience in respect of supply of equipment/ material,
- b) Performance of similar material offered,
- c) Financial Turnover,
- d) Submission of Type Test Reports.

Responsibility of correctness of the information submitted in online bid lies with bidder. If any information furnished in the bid is proved to be false at a later date, the bid will not only be rejected but the bidder will be BLACKLISTED.

**The bids not complying with the stipulated completion period will be treated as non-responsive.**

While being equal or compatible in other aspects preference will be given to those bidders who have experience in erection of above works/supplies similar to that given in the specification or of higher voltages during the last five financial years.

IF A BIDDER QUOTING FOR THE BIDS IS HAVING POOR PERFORMANCE IN THE AND NOT COMMENSURATE WITH THE AGREEMENT IN THE PREVIOUS CONTRACTS, THE BID OF SUCH BIDDER WILL NOT BE CONSIDERED FOR AWARD OF CONTRACT.

**4.0 One Bid per Bidder:**

Each Bidder shall submit only one Bid. A Bidder who submits more than one Bid will cause dis-qualification of all the Bids submitted by the Bidder.

**5.0 Cost of Bidding :**

The Bidder shall bear all costs associated with the preparation and submission of his Bid and the Bid inviting authority will in no case be responsible and liable for those costs.

**6.0** The pre-bid meeting will be held on the date & time indicated in the NIT, in the office of the bid inviting authority (Refer clause-13 of Section-I: NIT). All the prospective bidders may attend the pre-bid meeting.

## SECTION –II (B) : CHECK LIST

The bidders shall invariably upload/attach the information and records listed in the check list below on **e-procurement platform**, and also confirm by marking Yes or No. The same shall have to be furnished either personally or through courier or by post in the stipulated time, if asked by the Purchaser.

|    |                                                                                                                                                                                                                     |          |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1  | Whether scanned copy of Original Bid Security BG / DD uploaded?                                                                                                                                                     | Yes / No |
| 2  | Whether Transaction Fee is paid electronically or not.<br>The copy of the receipt may be uploaded.                                                                                                                  | Yes / No |
| 3  | Whether supply qualification & performance statements (Form-1 & Form-5) uploaded                                                                                                                                    | Yes / No |
| 4  | Whether all the documents as proof to the pre-Qualification Requirement i.e. 40% quantity of supply in 12 months from the power utilities as called for, are uploaded                                               | Yes / No |
| 5  | Whether all the documents pertaining to the two years satisfactory performance, i.e., satisfactory performance certificates from the utilities along with relevant documentary proof with attestation, are uploaded | Yes / No |
| 6  | Whether copies of Type Test Certificates uploaded                                                                                                                                                                   | Yes / No |
| 7  | Whether Proof of Turnover signed by Auditors are uploaded                                                                                                                                                           | Yes / No |
| 8  | Whether Bankers certificate uploaded (Form-10)                                                                                                                                                                      | Yes / No |
| 9  | Whether Guaranteed Technical Particulars (GTP) are uploaded                                                                                                                                                         | Yes / No |
| 10 | Whether Schedule of Deviations - Technical & Commercial are uploaded                                                                                                                                                | Yes / No |
| 11 | Whether 'Declaration Form' uploaded (Form-8)                                                                                                                                                                        | Yes / No |
| 12 | Whether uploaded the undertaking informing that firm has not been banned/ black listed/debarred by any Govt. Department / undertaking or any power utility for non-performance or malpractice? (Form-12)            | Yes / No |
| 13 | Whether uploaded all other forms as per Section-VII of the Bid Specification?                                                                                                                                       | Yes / No |

*The Bidder shall indicate that all the forms and enclosures indicated in the checklist furnished are compiled with.*

**SIGNATURE OF THE BIDDER**

**Designation &**

**Seal of the company:**

## **SECTION – III: GENERAL TERMS & CONDITIONS OF THE CONTRACT**

### **A. Introduction**

1. **Definitions:** In this Contract, the following terms will be interpreted as indicated:
  - (a) "The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the contract Form signed by the Parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
  - (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
  - (c) "The Materials / equipment" means all of the material/ equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract.
  - (d) "The Services" means those services ancillary to the supply of the material/ equipment, such as transportation and insurance, and any other incidental Services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
  - (e) "GCC" means the General Terms and Conditions of Contract contained in the section.
  - (f) "The Purchaser" means the organization purchasing the Materials / equipment.
  - (g) Vendor is a supplier for supply of material/ equipment.
  - (h) "The Supplier" means the firm supplying the Materials / equipment and Services under this Contract.
  - (i) "Day" means calendar day.
2. **Applicability:** These General Conditions of contract will apply to the extent that they are not superseded by provisions of Salient features of the Bid.
3. **(a) Standards:** The equipment/material supplied under this Contract will conform to the Standards mentioned in the Technical specifications, and, when no applicable standard is mentioned, the authoritative standards appropriate to the equipment/ material, i.e., BIS, such standards will be the latest. All material will be of the best class and will be capable of satisfactory operation under tropical conditions without distortion or deterioration.
   
  
**(b) Interchangeability:** All similar material and removable parts of similar equipment will be interchangeable with each other. A specific confirmation of this should be furnished in the bid.
4. **Scope of Work:** The scope of work of this specification covers design, engineering, manufacture, testing, supply & delivery FADS (Free at Destination Stores/ Site) of the equipment/ material described in Section-IV 'Schedule of Requirements' and Section-V 'Technical Specification'.

5. **Eligible Bidders:** Vendors for supply of the equipment/ material listed in section-IV ‘Schedule of Requirements’ of Bid specification and meeting the Qualification Requirements described in section-VI ‘Qualifying Requirements’ only need quote. Bids received from firms not meeting the above criteria will not be considered. Any company/vendor/supplier/contractor that is blacklisted/ debarred by any power utility is not eligible to participate in the bidding.

**B. THE BIDDING DOCUMENTS:**

**6. Contents of Bidding Document:**

6.1 The Material/equipment required, bidding procedures, and contract terms are prescribed in the bidding documents as indicated in the index.

6.2 The Bidder is expected to examine all instructions, forms, terms and Technical specifications in the bidding documents. Failure to furnish all the information required as per the bidding documents, or to submit a bid not responsive to the bidding documents in every respect will be at Bidder's risk and may result in the rejection of its Bid.

7. **Clarification of Bidding Documents:** A prospective Bidder requiring any clarification of the bidding documents may notify the Purchaser in writing or by fax at the Purchaser's address. The Purchaser will respond in writing to any request for clarification of the bidding documents, which it receives no later than fifteen (15) days prior to the deadline for the submission of bids. Written copies of Purchaser's response (including an explanation of the query but without identifying the source of inquiry) will be put one-procurement platform/ website of the purchaser.

**8. Amendment to Bidding Documents:**

8.1 At any time prior to the deadline for submission of bids, the Purchaser, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the bidding documents by amendment.

8.2 All such amendments also would be made available on the e-procurement platform/ website of TSTRANSCO and such amendments will be binding on the respective Bidders.

8.3 In order to allow prospective Bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids.

**C. PREPARATION OF BIDS**

9. **Language of Bid:** The bid prepared by the Bidder including all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, will be in English.

**10. Cost Associated with Bidding:**

- 10.1 The Bidder will bear all costs associated with the preparation and submission of its bid, and the Purchaser, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- 10.2 Bidders have to pay a transaction fee @ 0.03% of ECV (Estimated Contract Value) with a cap of Rs.10,000/- for all works/ supplies with ECV up to Rs.50.00 Crore and Rs.25,000/- for works/supplies with ECV above Rs.50.00 Crore, at the time of bid submission electronically.
- 10.3 Transaction Fee & other charges shall be paid by either Credit Card or Debit Card.
- 10.4 Bidders have to pay ‘GST’ as levied by Government of India on transaction fee, electronic payment gateway charges.
- 10.5 Successful bidders shall pay another 0.04% of ECV to TSTSL towards e-procurement fund.
- 10.6 Bidders shall obtain digital certificates from TSTSL(Telangana unit).

**11. Documents Constituting the Bid:**

- (a) The Bid comprises the following:
  - (i) Bid documents and Price Bid [Available online at [www.tender.telangana.gov.in](http://www.tender.telangana.gov.in)]
  - (ii) Qualification information and supporting documents [to be uploaded by the Bidder]
- (b) Documentary evidence establishing in accordance with Clause No.19 ‘Documents Establishing Bidder’s Eligibility and Qualifications’ that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted.
- (c) Documentary evidence establishing that the Materials/ equipment and ancillary services to be supplied by the Bidder are as per the Technical specification of the bidding documents.
- (d) Bid Security in accordance with Clause No.20 of section-III, and as indicated in the Bid Notification.
- (e) GST clearance certificates,
- (f) Schedule of Deviations - a) Commercial & b) Technical

All the schedules will be duly filled online with full details as called for in the schedules required for evaluation of bids. Bidders are expected to duly fill in all the schedules and sample forms and upload the same on e-procurement platform as part of the Bid.

- 12. **Commercial form:** The bidder will complete the commercial forms appropriately on e-procurement platform.

**13. Bid Prices:**

- 13.1 The prices quoted shall be **Firm**. Bids will be called for with prices FADS inclusive of packing and forwarding, applicable GST and other legally permissible duties and levies wherever applicable, handling charges to cover the transport by road from destination railway station to site/stores, unloading at site/stores and insurance (transit and storage at site for 45 days).
- 13.2 Even though composite price is given the break-up for GST, freight, insurance, packing and forwarding etc., will be furnished. **Freight & Insurance shall be quoted separately and the same shall not be quoted as 'inclusive' / 'zero'.**
- 13.3 It is the responsibility of the Bidder to inform himself of the correct rates of GST leviable on the materials at the time of bidding.
- 13.4 The proforma credit available to the bidder on the purchases of inputs(raw materials) consequent to the introduction of “MODVAT” Scheme may be taken into account while quoting the prices.
- 13.5 The Bidder will indicate in the appropriate Price Schedule the unit prices (where applicable) and total bid price of the Materials / equipment it proposes to supply under the contract. Any alternative offers shall be indicated only in the price schedule.

Prices indicated on the Price Schedule will be entered separately in the following manner.

- 13.6 The price of the Materials / equipment quoted EXWORKS and all applicable GST taxes payable on the finished Materials / equipment with individual breakup for Taxes, packing and forwarding, freight and insurance etc.
- 13.7 In case of bought out materials/equipment the bidders shall quote all inclusive price in basic/ex-works price and can mention ‘Not –applicable being bought out item’ under GST columns. TGTRANSCO shall pay only for the taxes involving direct transaction between the bidder and TGTRANSCO and not for the transaction between bidder and his sub-vendors.

**14. Variable prices & Price Variation basis: Not Applicable.**

**15. Taxes:**

- 15.1 A bidder will be entirely responsible for quoting the correct GST, or levies if any, license fees, etc., for the HSN code of item quoted he has to incur until completion of the contract. For the purpose of evaluation, the bidder should clearly indicate the applicable GST and any other taxes and levies payable in the respective columns provided in the Commercial form on e-procurement platform. Failure to furnish the details as prescribed in the price schedule will be loaded as indicated in the evaluation criteria.
- 15.2 If the rates of statutory levies assumed by the Bidder are less than the actual rates prevailing at the time of bidding, the Purchaser will not be responsible for such errors. If the rates of statutory levies assumed by the Bidder are later proved to be higher than the actual/ correct rates prevailing at the time of bidding, the difference will be passed on to the credit of the Purchaser.

15.3 Deemed Export Benefits: This is not applicable for local purchases with TGTRANSCO funds.

**16. Statutory Variations:**

Any variation up or down in statutory levy or new levies introduced after tender calling date under this specification will be to the account of TGTRANSCO provided that in cases where delivery schedule is not adhered to by the supplier and there are upward variation / revision after the agreed delivered date the supplier will bear the impact of such levies and if there is downward variation / revision the TGTRANSCO will be given credit to that extent.

Statutory variation if any allowed, it is allowed only once during delivery period i.e., at the time of delivery of goods at factory".

In case of sub-vendor items, taxes are inclusive in tender price. No statutory variation is applicable.

In cases where the bidder assumes less tax rates and become lowest, upward variation of taxes will not be considered. In case of the bought out items for which the prices are quoted all inclusive of taxes, statutory variation shall not be applicable.

**17. Bid Currencies:** Prices will be quoted in Indian Rupees; and will be paid in Indian Rupees only.

**18. Quantity to quote:** Bidder shall quote for 100% of the bid quantity of item indicated in the "Schedule of Requirements" (Section-IV) of the bid specification on single responsibility basis. **Bid offers with less than the prescribed quantity are liable for rejection.**

**19. Documents Establishing Bidder's Eligibility and Qualifications:**

The Bidder shall furnish, as part of its bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.

The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:

- (a) That the Bidder has the financial, technical, and production capability necessary to perform the contract;
- (b) That the Bidder meets the Qualification criteria listed in Section-VI. In addition the Bidder may furnish full particulars regarding supply of the material in question made so far to TGTRANSCO during the last 5 years and other reputed power utilities.

**19.1 Documents Establishing Equipment/ material conformity to Bidding Documents:**

The Bidder will furnish as part of its bid, documents establishing conformity to the bidding documents of all Material/ equipment and services, which the Bidder proposes to supply under the Contract. The documentary evidence of conformity of the material/equipment and the services to bidding documents may be in the form of literature, drawings, data, and will consist of:

- (a) A detailed description of the essential technical and performance characteristics of the materials/ equipment;
- (b) The bidder should specifically mention about furnishing the test certificates and a copy of test certificate should be uploaded along with the bid.
- (c) A list giving full particulars, including available sources and current prices of spare parts, special tools etc., necessary for the proper and continuing functioning of the Material/equipment following commencement of the use of the Material/ equipment by the Purchaser; and
- (d) An item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the equipment/ material and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.

For purposes of the commentary to be furnished pursuant to above, the Bidder will note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Purchaser in its Technical Specifications, are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

## **20. Bid Security:**

- 20.1 The Bidder shall furnish, as part of its bid, a Bid Security specified in the NIT. This amount should be paid by way of a crossed demand draft drawn on any scheduled bank/Nationalized Bank in favour of the "Pay Officer, TGTRANSCO" payable at headquarters of the Purchaser. Alternatively the bidders may furnish a Bank Guarantee (B.G.) in lieu of Demand Draft as per the proforma attached. The scanned copy of crossed DD/BG should invariably uploaded along with the Bid.
- 20.2 The fact of having Bid security by way of Demand Draft/ Bank Guarantee along with the bid should be clearly indicated in the Bid.
- 20.3 Submission of BID SECURITY by way of cheque, cash, money order, call deposit will not be accepted and will be considered as disqualification.
- 20.4 Exemption for payment of Bid security is not allowed in any case. The permanent bid security bank guarantee accepted earlier is deemed to have been withdrawn. Permanent bid security Bank Guarantee is not accepted. Bid security extensions accorded earlier are deemed to have been withdrawn.
- 20.5 Requests for exemption from payment of BID SECURITY will not be entertained on any account.

- 20.6 Any bid not secured as above will be rejected by the Purchaser.
- 20.7 The successful Bidder's Bid Security original shall be furnished before placing of order and the same will be discharged after award of contract and acceptance of Performance Security.
- 20.8 The Bid Security may be forfeited:
  - (a) if a Bidder :
    - i) Withdraws its bid or alters its prices during the period of bid validity specified by the Bidder, or
    - ii) Does not accept the correction of errors pursuant to Clause No.30.2; or
    - iii) Offers post Bid rebates, revisions or deviations in quoted prices and/ or conditions or any such offers which will give a benefit to the Bidder over others will not only be rejected outright but the original Bid itself will get disqualified on this account and the Bidder's BID SECURITY will be forfeited.
  - (b) In the case of a successful Bidder, if the Bidder fails:
    - i) To sign the contract in accordance with Clause No.38.
    - ii) To furnish performance security in accordance with Clause No.39.
- 20.9 Bids without Bid Security will be rejected and bidder will run the risk of being banned.

## **21. Period of Validity of Bids:**

- 21.1 Bids will remain valid for the period of ninety (90) days from the date of bid opening on e-procurement platform. A bid valid for a shorter period will be rejected
- 21.2 In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses there to will be made in writing (or by Fax). The Bid Security Bank Guarantee provided under Clause No.20 shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid Security.

- 22. **Tax Clearance Certificates:** Copies of Income Tax, GST certificates and Turnover Tax certificates for the latest period from the appropriate authority will invariably be enclosed to the bid. In the case of proprietary or partnership firm it will be necessary to produce the certificate/ certificates for the proprietor or proprietors and for each of the partners as the case may be. If the Bidder has already produced the certificate during the calendar year in which the bid is made, it will be sufficient, if particulars are given.

**23. Service Conditions:**

23.1 The equipment/ materials offered will be entirely satisfactory for operation under the climatic conditions indicated below.

|     |                                                    |                           |
|-----|----------------------------------------------------|---------------------------|
| (a) | Location -                                         | in the state of Telangana |
| (b) | Maximum ambient air temperature                    | 55 °C                     |
| (c) | Minimum ambient air temperature                    | 5 °C                      |
| (d) | Average daily ambient air temperature              | 35 °C                     |
| (e) | Maximum relative humidity                          | 74 %                      |
| (f) | Maximum altitude above mean sea level              | 1000 m                    |
| (g) | Average number of thunder storm days per annum     | 40 days                   |
| (h) | Average number of rainy days / annum               | 90 days                   |
| (i) | Average tropical monsoon condition per annum       | 3 months                  |
| (j) | Average Annual Rain fall                           | 925 mm                    |
| (k) | Maximum wind pressure                              | 200 kg/Sq.m.              |
| (l) | Isoceraunic level per annum                        | 50 days                   |
| (m) | Seismic level (horizontal & Vertical acceleration) | 0.5g & 0.3 g              |

23.2 Due consideration will be given to any special devices or attachments put forward by the Bidder which are calculated to enhance the general utility and the safe and efficient operation of the equipment / materials.

24. Format & Signature of Bidder: Clause deleted.

**D. Submission of Bids:**

**25. Procedure for Submission of Bids:**

25.1 Bids should be in the prescribed form, which can be obtained from ‘e-procurement’ platform from the date of electronic publication up to the time and date indicated in the Bid notice. The intending bidders would be required to enroll themselves on the ‘e-procurement’ market-place [www.tender.telangana.gov.in](http://www.tender.telangana.gov.in). Those bidders who register themselves in the ‘e-procurement’ market place can download the Bid specification and the Bid schedules free of cost.

The bidder shall authenticate the bid with his digital certificate for submitting the bid electronically on e-procurement platform **and the bids not authenticated by digital certificate of the bidder will not be accepted on the e-procurement platform** following the G.O.Ms.No.6, I.T&C Department, dated 28-02-2005.

25.2 Intending bidders can contact office of the Chief Engineer/P&MM, TGTRANSCO, Vidyut Soudha, Hyderabad-500082, for any clarification/ information on any working day during working hours.

25.3 The bidders who are desirous of participating in “e-procurement” shall submit their technical bids, price bids etc., in the standard formats prescribed in the Bid documents, displayed at “e” market place. The bidders should invariably upload the statement showing the list of documents etc., in the “e” market place in support of their Technical bids. The bidder should load scanned copies of all relevant certificates. **The bidder shall sign on all the statements, documents, certificates, uploaded by him, owning responsibility for their correctness/ authenticity.**

**If any bidder uploads the Bid without paying Bid security, he will be blacklisted. Similarly, if any of the certificates, documents etc., furnished by the Bidder are found to be false/fabricated/bogus, the Bidder will be blacklisted and bid security forfeited.**

- 25.4 The Bidder will invariably complete the Bid in full.
- 25.5 Telegraphic quotations and quotations by fax will not be entertained under any circumstances. Clarification, amplifications, and / or any other correspondence from the Bidder subsequent to the opening of bid will not be entertained.

**The Bidders are advised to ensure that their bids are uploaded in complete shape at the first instance itself.**

- 26. **Deadline for Submission of Bids:** The Purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
- 27. **Modification and Withdrawal of Bids:** No bid may be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified. Withdrawal of a bid during this interval may result in the forfeiture of its Bid Security.

#### **E. Opening and Evaluation of Bids**

##### **28. Opening of Bids by the Purchaser**

- 28.1 The Purchaser will open all the Pre-Qualification/ Technical bids meeting above criteria. In case the Technical, Financial & Pre-qualification requirements are found to be adequate and as required after the examination, Price Bids will be opened at later date.
- 28.2 If the Technical, Financial & Pre-Qualification requirements are found to be inadequate, the 'Price Bid' of such unqualified Bidders will not be opened.

- 29. **Clarification of Bids:** During evaluation of the bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its Bid. The request for clarification and the response will be in writing, and no change in the prices or substance of the bid will be sought, offered, or permitted.

##### **30. Preliminary Examination**

- 30.1 The Purchaser will examine the bids to determine whether they are complete, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

- 30.2 The Purchaser may waive any minor informality, nonconformity, or irregularity in bid which does not constitute a material deviation, provided such waiver doesn't prejudice or affect the relative ranking of any Bidder.
- 30.3 Prior to the detailed evaluation, the Purchaser will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one, which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, such as those concerning Bid Security, and GST will be deemed to be a material deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- 30.4 If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

### **31. Evaluation and Comparison of Bids**

- 31.1 Bidder shall quote for 100% of the bid quantity indicated in the “Schedule of Requirements” (Section-IV) of the bid specification on single responsibility basis. **Bid offers with less than the prescribed quantity are liable for rejection.**
- 31.2 The Purchaser will evaluate and compare the Technical & Pre-Qualification Bids, which have been determined to be substantially responsive. In case the Technical, Financial & Pre-qualification requirements are found to be adequate and as required after the examination of the Part – I bids, Price Bids of the qualified bidders will be opened subsequently.
- 31.3
  - a) All the bids, which are opened and considered for evaluation, will be checked for qualification requirements in respect of technical and commercial aspects. Such of the bids, which do not meet the qualification requirements, will not be evaluated further. The bid is to be checked for its conformity to the technical specification. If it does not meet the technical specification, the Bid will not be evaluated further. However, if in the opinion of the purchaser the bidder has offered equipment/ material better than the technical specification the same may be considered. The bid may be rejected for the following reasons:
    - i) Not in the prescribed form,
    - ii) Insufficient bid security or no proof of bid security,
    - iii) The bidder is a vendor who is banned from further business transactions and the period of ban is still in force.
  - (b) Further, the purchaser may enquire from the bidder in writing for any clarification of the bid. The response of the bidder will also be in writing. However no change in the prices or substance of the bid will be sought, offered or permitted.
  - (c) Bids will be examined for completeness and for any computational errors.

- (d) Arithmetical errors will be rectified on the following basis.
  - i. Where there is a difference between figures and text field, the figures will be final for evaluation since e-procurement software reads amount quoted in the figures column only for evaluation purpose.
  - ii. Where there is a discrepancy between the unit price and total price, the unit price will prevail and the total price will be corrected accordingly.
  - iii. If there is a discrepancy between the soft copy and the hard copy, the soft copy will prevail.
  - iv. Failure on the part of the bidder to agree to the above corrections will result in rejection of his offer and forfeiture of his bid security.
- (d) It will be ensured that the required sureties have been furnished and that the documents have been properly signed.
- (e) The purchaser's evaluation of a bid shall take into consideration one or more of the following factors.
  - a. Delivery schedule offered in the bid;
  - b. Deviations in payment schedule from that specified in the general terms & conditions of the contract and technical deviations.
  - c. The cost of components, mandatory spare parts, and service;
  - d. The availability of spare parts and after-sales services for the equipment offered in the Bid;
  - e. The projected operating & maintenance costs during the life of the equipment
  - f. The performance and productivity of the material/ equipment offered;
  - g. Other specific criteria indicated in the Bidding documents.
- (f) In addition the Purchaser's evaluation of a bid will take into account the net landed cost of the material at the final destination. For the purpose of evaluation net landed cost is arrived at by adding all elements of the basic price, allowable discount, exclusive of applicable GST & any other levies, packing & forwarding, freight charges, insurance (transit & storage) as quoted by the bidder, interest on advance if any, unloading and stacking at final destination, erection, servicing and other charges as called for.
- (g) In addition any variation up or down in GST/ new levies introduced subsequent to bid opening and before award will be considered.
- (h) The following criteria may be adopted for taxes.
  - a. It is the responsibility of the bidder to quote GST correctly without leaving any column unfilled. Where GST is not applicable the bidder should enter 'NA' and if no duty/tax is leviable the same may be entered as 'NIL'. If any column is left blank or filled vaguely like "as applicable", the same will be loaded with the maximum of the other eligible Bids.

- b. Where there is an exemption of GST, the documentary evidence to that effect will be enclosed by the supplier.
- k) The bidders for supply and works shall invariably possess ‘GST’ & ‘PAN’ Numbers” and the same should be furnished for Bids above Rs.5.00 Lakhs.
- l) The insurance charges will be reimbursed limited to documentary proof only and charges shall be quoted in the insurance column. Quoting “inclusive” shall not be permitted.
- m) The Freight charges will be reimbursed limited to documentary proof only and charges shall be quoted in the freight column. Quoting “inclusive/0” shall not be permitted.
- n) Prior to detailed evaluation, the responsiveness of each bid will be determined. A substantially responsive bid is one that conforms to all the terms and conditions of the bidding documents without material deviations. For this purpose superscription, qualification requirement, bid security, validity, delivery, payment terms, price schedule, taxes will be deemed to be the critical provisions and deviations in any one of these items will be deemed to be a material deviation.
- o) The purchaser may waive any minor informality, non-conformity or irregularity in the bid which does not constitute a material deviation, provided such waiver does not affect the relative ranking of any bidder. The purchaser will clearly indicate in the bid specification the methodology for evaluation of bids.
  - i) Bid price, which will include all, costs of manufacture and services at manufacturing place as well as, Transportation to destination stores, packing and forwarding, insurance and GST & other legally permissible levies payable.
  - ii) Delivery schedule offered in the bid.
  - iii) Deviations in payment schedule from that specified in the general terms and conditions of the contract.
  - iv) The cost of components, mandatory spare parts, and service,
  - v) The availability of spare parts and after-sales services for the equipment offered in the Bid;
  - vi) The projected operating and maintenance costs during the life of the equipment;
  - vii) The performance and productivity of the equipment offered; and/or
  - viii) Other specific criteria indicated in the Bid Specification.
  - ix) Cost of recommendatory spares if any indicated in the relevant price schedule will not be considered for bid evaluation.
  - x) However, the bid will be evaluated excluding GST for comparison.

31.3 (a) It is the responsibility of the bidder to quote GST correctly without leaving any column unfilled.

Where not applicable, the column may be filled as “NA”. If no tax is leviable, the same may be filled as “NIL”. If any column is left blank, the same is loaded with maximum of other eligible bids.

(b) Any statutory variations of GST and new levies imposed after opening of the bid and before award of the contract will be taken into consideration.

31.4 A substantially responsive bid is one, which conforms to all the terms and conditions of the bidding documents without material deviations. For this purpose qualification requirement, bid security, validity, delivery, payment terms, price schedule, submission of types test certificates (as per clause 4 section-VI) GST will be deemed to be the critical provisions and deviations in any one of these things will be deemed to be a material deviation.

### **32. Contacting the Purchaser.**

32.1 From the time of the bid opening to the time of contract award, if any Bidder wishes to contact the Purchaser on any matter related to the bid, it should do so in writing.

32.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison, or contract award will result in the rejection of the Bidder's bid.

### **F. Award of Contract**

### **33. Post Qualification**

33.1 In the absence of pre-qualification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily.

33.2 The determination will take into account the Bidder's financial, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualification submitted by the Bidder, as well as such other information as the Purchaser deems necessary and appropriate.

### **34. Award Criteria:**

34.1 The Purchaser will award the contract to the successful Bidder / Bidders whose bid has /have been determined to be substantially responsive. However it is not binding on TGTRANSCO to accept the lowest or any other Bid. It reserves the right to place orders on different Bidders.

34.2 In the opinion of the purchaser in case it is undesirable to depend on one supplier, quantity may be distributed among two or more suppliers adopting the same price.

**35. Purchaser's Right to vary Quantities at the time of Award**

- 35.1 The Purchaser reserves the right at the time of contract award to increase or decrease the quantity of Materials/ equipment and services originally specified in the 'Schedule of Requirements up to 50% without any change in unit price or other terms and conditions.
- 35.2 The purchaser reserves the right to vary the ordered quantity by ±50% during the execution of the contract.

**36. Purchaser's Right to Accept Any Bid and to Reject Any or All Bids**

The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or Bidders. The Purchaser will inform the affected bidder/bidders of its reasons.

**37. Notification of Award**

- 37.1 Prior to the expiration of the period of bid validity, the Purchaser will notify the Successful Bidder in writing by registered letter or by fax, to be confirmed in writing by registered letter, that its bid has been accepted.
- 37.2 The notification of award will constitute the formation of the Contract.
- 37.3 Upon the successful Bidder's furnishing of the performance security, the Purchaser enters into contract with successful Bidder/ Bidders. The Purchaser will notify each unsuccessful Bidder and will discharge its Bid Security.
- 37.4 The supplier will have to predefine the Bank Account details after receipt of LOI and before entering into contract for electronic transfer of payment.

**38. Signing of Contract:** The Purchaser notifies the successful Bidder that its bid has been accepted. Within 30 (thirty days) of receipt of notification of award of Contract, the successful Bidder will sign and date the contract. Failure to comply with this stipulation will entail cancellation of the contract besides forfeiture of the bid security.

**39. Performance Security:**

- 39.1 Within fifteen (15) days of receipt of notification of contract award, the successful Bidder will furnish to the Purchaser the performance security for an amount 10% of the contract value for proper fulfillment of the contract, which will include the warranty period, and completion of performance obligations including Warranty obligations. The Performance Security will cover 60 days beyond the date of completion of performance obligations including Warranty obligations.

In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for that unit will be extended by a further period of 12 months and the Performance Bank Guarantee for that unit will be extended 60 days over and above the extended warranty period.

39.2 The proceeds of the performance security will be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

39.3 The performance security will be:

- (a) A Bank Guarantee issued by State Bank of India or its associate Banks/Public Sector Banks/ Private Banks incorporated in India having net month of Rs. 5,000 Crore and above acceptable to the Purchaser, in the form provided in the bidding documents.
- (b) A banker's cheque or crossed DD or Pay Order payable at the head quarter of the Purchaser in favour of the Purchaser drawn on any scheduled Bank.

39.4 The performance security will be discharged by the Purchaser and returned to the Supplier not later than sixty (60) days after the expiry date.

39.5 Failure of the successful Bidder to comply with the above requirement will entail cancellation of the award and forfeiture of the Bid Security.

39.6 In case where the performance security is not yet paid, the bid security will be forfeited and the balance to makeup the performance security deposit will be deducted from pending payments any due to the bidder from TGTRANSCO on other orders. In addition the company will also become liable for black listed by TGTRANSCO.

#### **40. Corrupt or Fraudulent Practices:**

It is essential that the Purchaser as well as Bidder / supplier / contractor for the purposes of this provision, the terms set forth below as follows:

- I. “Corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution, and
- II. “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the determinant of the purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the purchaser of the benefits of free and open competition;
- III. Will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- IV. Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at anytime determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing a contract.

**41. Use of Contract Documents and Information:**

41.1 The Supplier will not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, of any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract.

Disclosure to any such employed person will be made in confidence and will extend only so far as may be necessary for purposes of such performance.

41.2 The Supplier will not, without the Purchaser's prior written consent, make use of any document or information except for purposes of performing the Contract.

41.3 Any document, other than the Contract itself, will remain the property of the Purchaser and will be returned (in all copies) to the Purchaser on completion of the supplier's performance under the Contract if so required by the Purchaser.

41.4 The Supplier will permit the Purchaser or his authorized representative to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Supplier.

**42. Patent Rights:** The Supplier will indemnify the Purchaser against all third party claims of infringement of patent, trademark, or industrial design rights arising from use of the Materials / equipment or any part thereof.

**43. Places / Locations:** Particulars of site location to which the equipment / material have to be supplied will be given to successful Bidders. However, it may please be noted that the destinations for supply of materials will be Site/Stores anywhere in the state of TELANGANA.

**44. Delivery:** Delivery period will be reckoned from the date of Letter of Intent. The delivery quoted will be firm, definite, unconditional and on the basis of receipt of materials at destination in good condition without any bearing on the procurement of raw materials or any similar prerequisites. The commencement date and date of delivery will be indicated. The preferred delivery time, which is the essence of this specification, is indicated in the 'Schedule of Requirements'. Final deliveries are however, subject to confirmation at the time of Contract. Delay in delivery of materials FADS (Free At Destination Store/site) due to non-availability of railway booking, non-allotment of wagons and any such reasons will not be considered. It is the responsibility of the supplier to make alternative arrangements for transporting the materials by road or rail so as to see that the material reaches the destination within the stipulated period. The Purchaser reserves its right to defer the delivery date at any time after orders are placed without any change in the conclusion of contract or other conditions of supply. The delivery period, which will be reckoned from the date of the Contract, will be guaranteed under penalty as in Clause-60.

**45. Inspections and Tests**

45.1 The supplier will keep the Purchaser informed in advance of the time of the starting and the progress of manufacture of equipment/material in its various stages so that arrangement could be made for inspection. The accredited representative of the TGTRANSCO will have access to the supplier's or his subcontractor's work and all other places of manufacture where the material/equipment are being manufactured at any time during working hours for the purpose of inspecting the materials during manufacturing of the materials/ equipment and testing and may select test samples from the materials going into plant and equipment. The supplier will provide all facilities for unrestricted inspection of the works, raw materials, manufacture of all the accessories and for conducting necessary tests and testing of samples at any time including access to drawings and production data at no charge to Purchaser.

45.2 The inspection may be carried out by the Purchaser at any stage of manufacture. The supplier shall grant free access to the Purchaser's representative at a reasonable time when the work is in progress.

45.3 After completion of manufacture of the equipment/ material, routine tests shall be performed as per relevant standards and requisite copies of test certificates shall be furnished to the purchaser. Various components of the equipment shall be routine tested in accordance with approved standards and manufacture standards.

45.4 As soon as the material/ equipment are ready the supplier will duly send intimation to TGTRANSCO by registered post and carry out the tests in the presence of the representative of TGTRANSCO. The Supplier shall give at least 15 days advance intimation to enable the Purchaser to depute his representative for witnessing acceptance and routine tests. All charges in connection with inspection shall be borne by the supplier.

45.5 The TGTRANSCO may at its option get the materials inspected by the third party if it feels necessary and all inspection charges in this connection will be borne by the supplier.

45.6 The dispatches will be affected only after testing and if the test results comply with the specification. The dispatches will be made only after the inspection by the TGTRANSCO Officer is completed to the TGTRANSCO satisfaction or such inspection is waived by the competent authority and cleared for dispatch.

45.7 The inspection and acceptance of any quantity of the equipment/ material under this specification by the Purchaser, shall in no way relieve the Supplier of his obligation of furnishing equipment/ material meeting all the requirements in accordance with the specification, and shall not prevent subsequent rejection if such equipment and material are later found to be defective.

45.8 Should any inspected or tested materials/ equipment fail to conform to the specification, the Purchaser may reject the materials and supplier will either replace the rejected materials or make alterations necessary to meet specifications requirements free of costs to the Purchaser.

**45.9 Test Reports:**

- a) Four copies of acceptance test reports shall be furnished to the purchaser. One copy will be returned, duly certified by the purchaser and only thereafter shall the materials be dispatched.
- b) All test reports of tests conducted during manufacture shall be maintained by the Bidder. These shall be produced for verification as and when requested for by the purchaser.
- c) All records of routine test reports shall be maintained by the Bidder at his works for periodic inspection by the purchaser.

**46. Name Plate:** Equipment should be provided with name plate giving full details of manufacturer, capacities and other details as specified in the relevant ISS or other specification stipulated. The contract number and date and year of supply and the words “TGTRANSCO” must be etched on the name plate.

**47. Packing and Forwarding**

- 47.1 Equipment and material being supplied shall be provided with such packing as required to prevent their damage or deterioration during transit to their final destination and as indicated in the Contract. The packing will be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights will take into consideration, where appropriate, the remoteness of the Material/ equipment' final destination and the absence of heavy handling facilities at all points in transit.
- 47.2 The equipment shall be packed in crates suitable for vertical/ horizontal transport, as the case may be, and suitable to withstand handling during transport and outdoor storage. The cabinets shall be covered with plastic film so as to prevent the cabinet from damage during transportation. The plastic film shall be removed at the time of commissioning.
- 47.3 The Supplier shall be responsible for any damage to the equipment during transit, due to improper and inadequate packing. The easily damageable material shall be carefully packed and marked with the appropriate caution symbols. Wherever necessary, proper arrangement for lifting, such as lifting hooks etc. shall be provided. Any material found short inside the packing cases shall be supplied by Supplier without any extra cost. Replacement of the damaged equipment and material shall not be linked with the settlement of insurance claims. The packages requiring covered storage shall be compulsorily marked.

47.4 The packing, marking, and documentation and outside the packages will comply strictly with such special requirements as will be expressly provided for in the Contract

and in any subsequent instructions ordered by the Purchaser. The supplier will be required to make separate packages for each consignee, each package will be marked on three sides with proper paint/ indelible ink with the following;

1. Contract Number
- 2 Supplier's name
- 3 Packing list reference number

47.5 The supplier, whenever dispatches material to a destination should prepare the following information in the form of packing slip in quadruplicate and send the same to the consignee and obtain his acknowledgement. The consignee will return to the supplier one copy of the packing slip with his remarks.

#### **47.6 PACKING SLIP**

1. Name of the Supplier
2. Purchase Order reference number
3. Name and address of the consignee
4. Details of the items in the package
5. Bill of material indicating contents of each package.
6. gross, net & tare weights of the items
7. Complete address of the destination
8. Handling and unpacking instructions

47.7 The Supplier shall ensure that the packing list and bill of material are approved by the Purchaser and enclosed to dispatches. The Supplier shall arrange for unloading the equipment/ material at destination site/stores at no extra cost.

#### **48. Delivery Documents**

48.1 Delivery of the materials / equipment will be made by the Supplier in accordance with the terms specified in the contract. The latest test certificates containing the result of the tests as per the relevant ISS or other specification stipulated must be submitted to the Chief Engineer and got approved by him.

48.2 The documents for delivery of equipment and material will contain the original and four copies of the following:

- a) Invoice indicating PO Number, goods description, quantity, unit price & total amount,
- b) Delivery Note/Packing List/ Lorry Receipt,
- c) Excise Gate Pass/ Octroi receipts, wherever applicable duly sealed indicating payment mode.
- d) Insurance certificate,
- e) Manufacturer's/Suppliers Guarantee Certificate,
- f) Certificate of Origin,

- g) Any other document evidencing payment of statutory levies (wherever applicable),
- h) The items and quantity so far supplied including the present package,
- i) Supplier's certificate certifying that the defects if any pointed out during inspection have been rectified (3 copies),
- j) Manuals in six sets along with a soft copy.

The Purchaser will receive the above documents soon after the dispatch of materials and if not received, the supplier will be responsible for any consequent expenses.

#### **49. Insurance**

49.1 The Materials / equipment supplied under the Contract will be fully insured against loss or damage incidental to manufacture or acquisition, transportation and delivery and also storage for 45 days at destination stores/site.

The insurance will be for an amount equal to 100% FADS value of material/ equipment on all risks basis. The policy will have a provision for extension to cover further storage if necessary at destination stores / site at TGTRANSCO cost. The insurance beneficiary shall be TGTRANSCO.

49.2 The supplier shall a) Initiate and pursue insurance claim till settlement, and b) Promptly arrange for repair and or replacement of any damaged items in full irrespective of settlement of insurance claim by the under writers, c) All Costs because of insurance liabilities covered under the contract will be to supplier's account. The supplier shall provide the Purchaser with a copy of all insurance policies and documents taken out by him in pursuance of 'Contract'. Such copies of documents shall be submitted to the purchaser immediately after such insurance coverage. The supplier shall also inform the Purchaser 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.

The risks that are to be covered under the insurance shall be comprehensive and shall include but not limited to, the loss or damage in transit, storage, due to theft, pilferage riot, civil commotion, weather conditions, accident of all kinds, fire, flood, war risk (during ocean transportation) bad or rough handling etc., The scope of such insurance shall cover the entire contract value.

49.3 All costs on account of insurance liabilities covered under the contract will be on supplier's account and will be deemed to have been included in the bid price.

#### **50. Transportation**

50.1 The Supplier is required under the Contract to transport and deliver the material/equipment to the specified place of destination i.e. any site or stores in the state of Telangana, transport to such place of destination, including insurance and storage, will be arranged by the Supplier and the related costs will be included in the Contract Price only. The Supplier shall arrange for unloading the equipment/ material at destination site/stores at no extra cost.

50.2 The Freight charges will be reimbursed limited to the quoted rates only and charges shall be quoted in the Freight column. Quoting "inclusive/0" shall not be permitted.

**51. Incidental Services:** The Supplier may be required to provide any or all of the following services at free of cost, including additional services, if any.

- i. **Performance or supervision of on-site assembly and/or start-up of the supplied Materials / equipment;**
- ii. **Furnishing of tools required for assembly and/or maintenance of the supplied Material/ equipment;**
- iii. **Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Materials / equipment;**
- iv. **Performance or supervision or maintenance and/or repair of the supplied Materials/ equipment, during warranty period, provided that this service will not relieve the Supplier of any warranty obligations under this contract; and**
- v. **Training of the Purchaser's personnel, at the Suppliers' plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied material/ equipment.**

**52. Spare Parts:** The Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier.

- (a) Such spare parts as the Purchaser may choose to purchase from the Supplier, provided that this selection will not relieve the supplier of any warranty obligations under the contract; and
- (b) In the event of termination of production of the spare parts:
  - (i) Advance notification to the Purchaser of the impending termination.
  - (ii) Time to permit the Purchase to procure needed requirement; and following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

**53. Warranty/Guarantee:**

53.1 **The supplier will warrant for the satisfactory functioning of the material/ equipment as per specification for a minimum period of 18 months from the check-measurement date in Form-13 i.e. receipt of the material/ equipment at TLC Stores or site in good condition.**

53.2 The Supplier shall warrant that the Materials / equipment supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The supplier further warrants that all Materials / equipment supplied under this Contract will have no defect, arising from a design and / or materials as required

by the Purchaser's specifications or from any act of omission of the Supplier that may develop under normal use of the supplied Materials / equipment.

- 53.3 All the material will be of the best class and will be capable of satisfactory operation in the tropics under service conditions indicated in clause-23.1 without distortion or deterioration. No welding filling or plugging of defective parts will be permitted, unless otherwise specified, they will conform to the requirements of the appropriate Indian, British or American Standards. (Where a standard specification covering the material in question has not been published, the standards of the American Society for testing of Materials should be followed).
- 53.4 The entire designs and construction will be capable of withstanding the severest stresses likely to occur in actual service and of resisting rough handling during transport.
- 53.5 Unless otherwise specified the warranty period will be 18 months from the date of acceptance of the Materials / equipment. The Supplier will, in addition, comply with the performance guarantees specified under the contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the supplier will at its discretion either, make such changes, modifications, and/or additions to the Materials / equipment or any part thereof as may be necessary in order to attain the contractual guarantees specified in the contract at its own cost and expense and to carry out further performance tests as per the relevant standards.
- 53.6 The Purchaser will promptly notify the supplier in writing of any claims arising under this warranty.
- 53.7 "Upon receipt of such notice, the Supplier will within 30 days repair or replace the defective Materials/ equipment or parts thereof, free of cost at the ultimate destination. The supplier will take over the replaced parts/ materials/ equipment at the time of their replacement. No claim whatsoever will lie on the Purchaser for the replaced parts/ Materials/ equipment thereafter". In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for that unit will be extended by a further period of 12 months.
- 53.8 If the Supplier, having been notified, fails to remedy the defect(s) within the above period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense duly deducting the expenditure from subsequent bills/ bank guarantee and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.
- 53.9 Responsibility of the supplier for loss/ damage:
  - a) The supplier is responsible for the safe delivery of the goods in good condition at the destination. He should acquaint himself of the conditions obtaining for handling and transport of the goods to destination and shall include and provide for security and protective packing of the goods so as to avoid damage in transit.

- b) External damages or shortages that are *prima-facie* the results of rough handling in transit or due to defective packing will be intimated. Internal defects, damages or shortages of any internal parts which cannot ordinarily be detected on a superficial visual examination though due to bad handling in transit or defective packing will be intimated separately.

In either case, the defective or damaged materials should be replaced by the supplier free of cost to the TGTRANSCO. If no steps are taken in this regard, TGTRANSCO may without prejudice to its other rights and remedies cause to be repair or rectify the defective material or replace the same and recover the expenditure incurred there for from the deposit such as Earnest Money, Security and Performance or other monies available with TGTRANSCO or by resorting to legal action.

- c) For the purpose of any legal consideration, the material shall be deemed to pass into TGTRANSCO's ownership only at the final destination where they delivered and accepted.

#### **54. Payment**

- 54.1 100% payment will be arranged within 45 days reckoned from the check measurement date in Form-13 duly transferring the said amount to the bank account of the supplier by the purchaser bank. The supplier will have to predefine the Bank details while entering into contract. The supplier will have to predefine the Bank Account details after receipt of LOI and before entering into contract for electronic transfer of payment. The Bank details once declared cannot be changed.

However payment in advance may be considered by TGTRANSCO after availing a rebate/ discount @ 0.3% per week or part thereof for the advancement depending on the availability of funds.

For availing discount by the contractor/supplier, soon after submission of the document to the Unit Officer, a set of Xerox copies of invoice(s) along with requisition for availing discount should be submitted to the purchaser.

No interest will be payable in case payment is delayed for whatever reason.

- 54.2 The 100% payment mentioned above is subject to submission of performance security as per clause-39 by the supplier. The bank charges will be made to the account of the supplier and charges will be recovered from the bill amount per each disbursement on LOA raised by field unit offices.
- 54.3 The supplier should invariably submit test certificates and other documents, the purchaser specifies as soon as dispatch is made so that they can be checked and approved well in advance.
- 54.4 The performance guarantee to be executed in accordance with this specification will be furnished on a stamp paper of value Rs.100/-. The Bank Guarantee will be extended if required suitably in accordance with the provisions of Clause No.39.

54.5 If the supplier has received any over payments by mistake or if any amounts are due to the TGTRANSCO due to any other reason, when it is not possible to recover such amounts under the contract resulting out of this specification, the TGTRANSCO reserves the right to collect the same from any other amount and / or Bank Guarantees given by the company due to or with the TGTRANSCO.

54.6 When the supplier does not at any time, fulfill his obligations in replacing/ rectifying etc. of the damaged/ defective materials in part or whole promptly to the satisfaction of the TGTRANSCO Officers, the TGTRANSCO reserves the right not to accept the bills against subsequent dispatches made by the supplier and only the supplier will be responsible for any demurrages, wharfages or damage occurring to the consignments so dispatched.

54.7 No payments will be made for the supplies which are not in full shape.

54.8 Freight & Insurance will only be reimbursed on submission of documentary evidence/ proofs, limiting to the documentary proof only.

**55.** **Prices:** Prices charged by the Supplier for Material/ equipment delivered and Services performed under the Contract will not vary from the prices quoted by the supplier in its bid, with the exception of any price adjustment authorized in the contract.

**56.** **Change Orders:** The Purchaser may at any time, by a written order given to the Supplier make changes within the general scope of the Contract in any one or more of the following:

- (a) Drawings, designs, or specifications, where Materials / equipment to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) The method of shipment or packing;
- (c) The place of delivery; and/or
- (d) The Services to be provided by the Supplier.

**57.** **Contract Amendments:** No variation in or modification of the terms of the Contract will be made except by written amendment by the Purchaser and accepted by the supplier

**58.** **Assignment:** The Supplier will not assign, in whole or in part, its obligations to perform under this Contract, except with the Purchaser's prior written consent.

**59.** **Delays in Supplier's Performance:**

59.1 Delivery of the Materials / equipment will be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Schedule of Requirements.

59.2 If at any time during performance of the Contract, the Supplier should encounter conditions impeding timely delivery of the Materials / equipment, the Supplier will promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser

will evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension will be ratified by the parties by amendment of the Contract.

59.3 Except as provided under force majeure clause a delay by the Supplier in the performance of its delivery obligations will render the Supplier liable to the imposition of liquidated damages unless an extension of time is agreed upon without the application of liquidated damages.

#### **60. Penalty for delay in supplies**

The time for and the dates for delivery mentioned in the contract will be deemed to be the essence of the contract. Subject to force majeure Clause No.64, if the Supplier fails to deliver any or all of the Materials / equipment or to perform the Services within the period(s) specified in the Contract, the Purchaser will, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% per week on the undelivered portion subject to a maximum of 5% of the total value of the contract. Once the maximum is reached the Purchaser may consider termination of the contract.

The Check Measurement date in Form-13 i.e., the date of receipt of materials at destination stores in good condition will be taken as the date of delivery. Material/ Equipment which are not of acceptable quality or are not confirming to the specification would be deemed to be not delivered. For penalty, the number of days would be rounded off to the nearest week and penalty calculated accordingly.

The penalty specified above will be levied and would be adjusted against subsequent pending bills.

#### **61. Termination for Default**

61.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:

- a) If the Supplier fails to deliver any or all of the Materials / equipment within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser.
- b) If the Supplier fails to perform any other obligation(s) under the Contract.
- c) If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

61.2 In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Materials/ equipment or services similar to those undelivered, and the Supplier will be liable to the Purchaser for any excess costs for such similar Materials/ equipment or Services. However, the Supplier will continue performance of the Contract to the extent not terminated.

**62. Termination for Insolvency:** The Purchaser may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or not affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser.

**63. Termination for Convenience**

- 63.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination will specify the termination is for the Purchaser's convenience, the extent to which performance of the supplier under the Contract is terminated, and date upon which termination becomes effective.
- 63.2 However the Materials / equipment that are complete and ready for shipment within thirty (30) days after the supplier's receipt of notice of termination will be accepted by the Purchaser at the Contract terms and prices.

**64. Force Majeure**

- 64.1 The Supplier will not be liable for forfeiture of its performance security, penalty for late delivery, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 64.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 64.3 If a Force Majeure situation arises, the supplier will promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier will continue to perform its obligations under the Contract as far as is reasonably practicable, and will seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 64.4 No price variance will be allowed during the period of force majeure.

**65. Settlement of Disputes:**

- 65.1 If any dispute or difference of any kind whatsoever will arise between the Purchaser and the Supplier in connection with or arising out of the Contract, the parties will make every effort to resolve amicably such dispute or difference by mutual consultation.
- 65.2 If, after thirty (30) days the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

65.3 Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause will be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Materials / equipment under the Contract.

65.4 Arbitration proceedings will be conducted in accordance with the following rules of procedure. The dispute resolution mechanism will be as follows:

- (a) In the case of a dispute or difference arising between the Purchaser and a Supplier relating to any matter arising out of or connected with this agreement, such dispute or difference will be settled in accordance with the Arbitration and Conciliation Act. 1996. The Arbitral Tribunal will consist of three Arbitrators one each to be appointed by the Purchaser and the supplier the Third Arbitrator will be chosen by the two Arbitrators so appointed by the parties and will acts as Presiding Arbitrator. In case of failure of the two Arbitrators appointed by the parties to reach upon a consensus within period of 30 days from the appointment of the Arbitrator appointed subsequently, the Presiding Arbitrator will be appointed by The Institution of Engineers (India).
- (b) If one of the Parties fails to appoint its Arbitrator in pursuance of Sub-Clause (a) within 30 days after receipt of the notice of the appointment of its Arbitrator by The Institution of Engineers (India), will appoint the Arbitrator. A certified copy of the order of the Institution of Engineers (India), making such an appointment will be furnished to each of the parties.
- (c) Arbitration Proceedings will be held at Purchaser's Headquarters, and the language of the Arbitration Proceedings and that of all documents and communication between the parties will be English.
- (d) The decision of the majority of Arbitrators will be final and binding upon both parties. The cost and expenses of Arbitration Proceedings will be paid as determined by the Arbitral Tribunal. However, the expenses incurred by each party in connection with the preparation, presentation etc., of its proceedings as also the fees and expenses paid to the Arbitrator appointed by such party or on its behalf will be borne by each party itself.
- (e) Where the value of the Contract is Rs.1.00 Crore and below, the disputes or differences arising will be referred to the Sole Arbitrator. The Sole Arbitrator should be appointed by agreement between the parties; failing such agreement, by the appointing authority namely The Institution of Engineers (India).

65.5 Notwithstanding any reference to arbitration herein,

- (a) The parties will continue to perform their respective obligations under the Contract unless they otherwise agree; and
- (b) The Purchaser will pay the Supplier any monies due the Supplier.

**66. Jurisdiction:** All and any disputes or differences arising out of or touching this contract will be decided by the Courts or Tribunals situated in Purchaser's Headquarters only i.e. Hyderabad. No suit or other legal proceedings will be instituted elsewhere.

**67. Notices:**

67.1 Any notice given by one party to the other pursuant to this Contract will be sent to the other party in writing or by fax and confirmed in writing to the other party's address.

67.2 A notice will be effective when delivered or on the notice's effective date, whichever is later.

**68. Foreign Exchange:** No Foreign Exchange is available or expected for this purchase. Offers which do not require release of F.E. or procurement of import license by TGTRANSCO only will be considered. Where some of the components are to be imported the manufacturer will have to make their own arrangements for import license etc., and should not look for any assistance from TGTRANSCO.

**69. Blacklisting/debarring:** The companies which are blacklisted by any other utility and whose promoter's firms or companies were already blacklisted / debarred by any other utility. No work /contract/order will be awarded /placed to companies which are blacklisted by any other utility whose promoter's firms of companies were already blacklisted / debarred by any other utility. Bidders have to furnish a declaration /undertaking in this regard along with the bid. Bids without this declaration are liable for rejection.

**70.** The clauses in the purchase manual of TGTRANSCO shall govern wherever the specification clauses are silent.

**71.** If any bidder is silent about any clause of specification it is deemed that the bidder is accepted the same.

**72.** The discount if any offered shall be indicated in the field provided in e-procurement only. Discount given in anywhere other than the discount field will not be considered for tender evaluation.

**73. TGTransco Bank Details:**

|                                      |                                                                |
|--------------------------------------|----------------------------------------------------------------|
| Beneficiary Name                     | Pay Officer, TG Transco                                        |
| Current A/c.No.                      | 62346959315                                                    |
| IFSC Code                            | SBIN0021027                                                    |
| Bank Name                            | State Bank of India                                            |
| Branch & Address                     | Vidyuth Soudha Branch, Khairatabad, Hyderabad.                 |
| Contact Phone No. of the beneficiary | Phone No.23396000, Extn. No.3628<br>Cell No. <b>8712462130</b> |
| GST No.                              | <b>36AAFCT0166J1Z9</b>                                         |
| TAN No.                              | HYDT05951B                                                     |
| PAN No.                              | AAFCT0166J                                                     |

**SECTION – IV**  
**SCHEDULE OF REQUIREMENTS & DELIVERY SCHEDULE**

| Sl. No. | Description of Equipment/ Material                                                                                | Quantity required | Delivery schedule                                                                                                                                         | Destination                                     |
|---------|-------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 1       | 2                                                                                                                 | 3                 | 4                                                                                                                                                         | 5                                               |
| I       | Supply of 33KV Lightning Arrestors (31.5KA) complete with terminal connector etc. as per technical specification. | 256 Nos.          | To commence the supplies with 56 Nos. within three months from the date of issue of Letter of Intent and complete balance @ 40 Nos. per month thereafter. | Any Substation Site/ Stores in Telangana State. |

**Note:**

1. Prices shall be quoted on **Firm** basis.
2. Prices shall be free at destination site/stores anywhere in Telangana State
3. Conditional discounts are not accepted,
4. Freight & Insurance shall invariably be quoted separately and also the same shall not be quoted as '0' (zero) or 'inclusive'.
5. Freight & Insurance will be reimbursed on submission of documentary proofs only.
6. Bidders shall quote for 100% quantity.

Signature of the Bidder:  
 Name in Capitals:  
 Designation:  
 Seal of the company:

Address of the company:

## SECTION - V

### TECHNICAL SPECIFICATION

#### **1.0 SCOPE:**

**1.1** This Specification provides for the design, engineering, manufacture, assembly, stage testing, inspection and testing before dispatch, packing, forwarding and delivery at site/stores of 33kV Zinc oxide(gapless) Surge Arrestors complete, insulating base and other accessories as specified hereunder.

**1.2** It is not the intent to specify completely herein all the details of design and construction of Lightning Arrestors. However, Lightning Arrestors shall conform in all respects to the high standard of Engineering design and workmanship and shall be capable of performing in continuous commercial operation. The owner will interpret the meanings of drawings and specifications and shall have the power to reject any work or material which in his judgment are not in accordance therewith. The Arrestors offered shall be complete with all parts, necessary for their effective and trouble free operation. Such components shall be deemed to be within the scope of supply, irrespective of whether they are specifically brought out in the commercial order or not.

#### **2.0 STANDARDS:**

**2.1** The Lightning Arrestors shall conform to the latest revisions with amendments available of relevant standards, rules and codes some of which are listed herein for ready reference, unless otherwise specified elsewhere in this specification.

The Lightning arresters covered in this specification shall conform in general to IEC 60099-4 : 2014 or its latest version and the applicable provisions of IS: 15086 (Part 4) : 2017 except to the extent modified in the specification. All accessories, terminal connectors etc. shall conform to relevant standards as amended to date.

The equipment shall conform to the following standards of latest issue.

- a) Application Guide for Metal Oxide Surge Arrester for AC System : IEEE Std.C62-22 1991
- b) Lightning Arresters : IS 15086 (Part 4) : 2017  
IEC 60099-4 : 2014
- c) Large hollow porcelain for use in Electrical installation : IS:5621
- d) Tests on hollow insulators for use in electrical equipment : IEC:60233
- e) Method of HV Testing : IS:2071(Part I, II & III)
- f) H.V. Test Techniques : IEC-60060, Part 1,2
- g) Method of partial discharge Measurement : IS:6209
- h) Partial discharge measurements : IEC-60270 (1981)  
IS:3070(Part-III)

- i) Artificial pollution testing on Surge Arresters : IEC:60099-3(1990)  
IEC:60815(1996)  
IEC:60507(1991)
- j) Electromagnetic compatibility (EMC) : IEC:61000
- k) Radio Interference test on high-voltage insulators : IEC:60437(1997)
- l) Electrical equipment for measurement, control and Laboratory use-EMC requirements : IEC:61326(2000)
- m) Recommended practice for hot dip galvanising of Iron and Steel : IS:2633
- n) Terminal connectors : IS:5561
- o) Precision and semi-precision hexagon bolts, screws, nuts & lock nuts : IS:1364
- p) Insulation Coordination : IEC 60071-1,2  
(P1-1993, P2-1990)

#### **REFERENCE STANDARDS**

#### **NAME AND ADDRESS**

##### **IEC**

International Electro Technical commission  
Bureau Central de la commission, Electro  
Technique International, 1 Rue de verembe,  
Grneva, Switzerland.

##### **ISO**

International Organizations for Standardization  
Danish Board of Standardization,  
Danish Standardizing sraat,  
Aurehoegvaj - 12  
DK - 2900, Heelprup  
DENMARK

##### **IS**

Indian Standard Bureau of India Standards Manak  
Bhavan, 9, Bahadur shah Zafar Marg  
New Delhi - 110 002 INDIA.

#### **NOTE :**

- i) For the purpose of this specification all technical terms used herein after shall have the meaning as per IEC Specification.
- ii) For the parameters of the Arrestor which are not specified in IEC specification for Lightning Arrestors, the provisions of IS 3070 ( Part-I) shall be applicable.

**2.2** The electrical installation shall meet requirements of Indian Electricity Rules, 1956 and IS-1886, "Code of practice for installation & maintenance of Transformers" as amended till date.

### **3.0 CLIMATIC CONDITIONS:**

**3.1** The Lightning Arrestors and accessories shall be suitable for continuous satisfactory operation under climatic conditions listed below.

|                                                                                                                                                                   |                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 1) Location                                                                                                                                                       | In the State of <b>Telangana</b> |
| 2) Maximum ambient Air Temperature (deg.C)                                                                                                                        | 50                               |
| 3) Minimum Ambient Air Temperature (deg C)                                                                                                                        | 7.5                              |
| 4) Average daily ambient air Temperature (deg. C)                                                                                                                 | 35                               |
| 5) Maximum relative humidity (%)                                                                                                                                  | 74                               |
| 6) Maximum altitude above mean sea level (Meter s)                                                                                                                | 1000                             |
| 7) Average annual rainfall (mm)                                                                                                                                   | 925                              |
| 8) Maximum wind pressure (kg/sq.mtr)                                                                                                                              | 200                              |
| 9) Isoceraunic level ( Days/Year)                                                                                                                                 | 50                               |
| 10) Seismic Level ( Horizontal/ Vertical Acceleration)                                                                                                            | 0.5g /0.3g                       |
| 11) Moderately Hot and humid tropical climate<br>conducive to rust and fungus growth.                                                                             |                                  |
| 12) The climatic conditions are prone to wide variation in ambient conditions and<br>equipment offered shall be suitable for installation at any of the stations. |                                  |

All the electrical devices shall be given tropical and fungicidal treatment to enable their satisfactory operation in the above climatic conditions.

#### 4.0 PRINCIPAL PARAMETERS:

The Lightning Arrestors offered under this specification shall conform to the parameters given below.

| Sl No. | Particulars                                                                               | 33kV Lightning Arrestors |
|--------|-------------------------------------------------------------------------------------------|--------------------------|
| 1      | Nominal System voltage(kV rms)                                                            | 33                       |
| 2      | Highest System voltage(kV rms)                                                            | 36                       |
| 3      | 1.2/50 micro second impulse voltage withstand level                                       |                          |
| a.     | Transformers and Reactors(kVp)                                                            | 170                      |
| b.     | Other equipment and lines(kVp)                                                            | 170                      |
| 4      | Minimum prospective symmetrical fault current for 1 second at Arrester location ( kA rms) | 31.5                     |
| 5      | Anticipated levels of temporary overvoltage and its duration                              |                          |
| a.     | Voltage (p.u.)                                                                            | 1.5/1.2                  |
| b.     | Duration (Seconds)                                                                        | 1/10                     |
| 6      | System frequency ( Hz)                                                                    | 50 $\pm$ 2.5             |
| 7      | Neutral Grounding                                                                         | Effectively Earthed      |
| 8      | Number of Phases                                                                          | Three                    |

#### 5.0 TECHNICAL REQUIREMENTS :

- 5.1.1 The Lightning Arrestors shall conform to the technical requirements at Annexure -I.
- 5.1.2 Guaranteed Technical Particulars of the Lightning Arrestors offered shall be furnished in Annexure - II.
- 5.2 The energy handling capability of each rating of Arrester offered , supported by calculations, shall be furnished in the offer.
- 5.3 The Lightning Arrestors shall be fitted with pressure relief devices and arc diverting ports and shall be tested as per the requirements of IEC specification for minimum prospective symmetrical fault current as specified in clause 4.0 (4).
- 5.4 The Grading ring (not applicable) on each complete Arrestor for proper stress distribution shall be provided if required for attaining all the relevant technical parameters.

#### 5.5 PROTECTIVE LEVELS:

The basic insulation levels and switching impulse withstand levels of the lines and equipment to be protected, have been specified in clause 4.0, " Principal Parameters". The protective characteristics of the Arrestors offered shall be clearly specified in the schedule of Guaranteed Technical Particulars.

## **6.0 GENERAL REQUIREMENTS:**

- 6.1 The materials and components not specifically stated in this specification but which are necessary for satisfactory operation of the equipment are deemed to be included in the scope of supply unless specifically excluded.
- 6.2 Unless otherwise brought out separately by the Bidder in the schedule of deviations the Lightning Arrestors offered shall conform to the specification scrupulously. All deviations from the specification shall be brought out in the schedule of deviations. The discrepancies between the specification and the catalogues or literature submitted as part of the offer shall not be considered as valid deviations unless specifically brought out in the schedule of deviations.
- 6.3 Any deviation which has not been specifically brought out in the schedule of deviations of the Bid Proposal Sheets, shall not be given effect to. The deviations brought out in the Schedule shall be supported by authentic documents, standards and other references.
- 6.4 Each individual unit of Lightning Arrestor shall be hermetically sealed and fully protected against ingress of moisture. The hermetic seal shall be effective for the entire life time of the Arrester and under the service conditions as specified. The Bidder shall furnish sectional view of the Arrestor, showing details of sealing employed.
- 6.5 The bidder shall furnish in the offer, a sectional view of pressure relief device employed in the Lightning Arrestors offered.
- 6.6 The Lightning Arrestors shall be suitable for hot line washing.

## **7.0 CONSTRUCTION:**

- 7.1 All the units of Arrestors of same rating shall be interchangeable without adversely affecting the performance.
- 7.2 The Lightning Arrestors shall be suitable for pedestal type mounting.
- 7.3 All the necessary flanges, bolts, nuts, clamps etc., required for assembly of complete Arrestor with accessories and mounting on support structure to be supplied by the Purchaser, shall be included in bidder's scope of supply.
- 7.4 The drilling details for mounting the Arrestor on Purchaser's supporting structures shall be supplied by the Supplier.
- 7.5 The minimum permissible separation between the Lightning Arrestor and any earthed object shall be indicated by the Bidder in his offer.

## **7.6 Porcelain Housing :**

- 7.6.1 All porcelain housings shall be free from lamination cavities or other flaws affecting the maximum level of mechanical and electrical strength.
- 7.6.2 The porcelain shall be well vitrified and non-porous.
- 7.6.3 The creepage distance of the Arrestor housing shall be as per Annexure -I.

7.6.4 The porcelain petticoat shall be preferably of self-cleaning type ( Aero foil design ). The details of the porcelain housing such as height, angle of inclination, shape of petticoats, gap between the petticoats, diameter (ID and OD) etc. shall be indicated in a detailed drawing.

7.6.5 The Arrestor housing shall conform to the requirements of IEC specification.

### **7.7 Galvanization, Nickel Plating etc :**

7.7.1 All ferrous parts exposed to atmosphere shall be hot dip galvanized as per IS:2629 as amended from time to time., Screws used for electrical connections shall be either made of brass or nickel plated.

7.7.2 Ground terminal pads and name plate brackets shall be hot dip galvanized.

7.7.3 The material shall be galvanized only after completing all shop operations.

### **7.8 Accessories and Fittings :**

#### **7.8.1 Terminal Connectors:**

Terminal connectors conforming to IS : 5561 shall be supplied along with the arrestor.

#### **CONSTRUCTION DETAILS:**

- (a) Aluminium or aluminium alloy used in the manufacture of terminal connectors shall meet requirements of standards specified herein. Steel bolts and nuts shall be of reputed make.
- (b) Terminal connector shall carry full rated current continuously and its temperature shall not exceed eighty five(85) degrees centigrade.
- (c) The connector shall have six(6) bolts with nuts, check nuts and washers for connection to the conductor. It shall have rating corresponding to those of the equipment or higher and shall be designed most liberally to comply in all respects with temperature rise, resistance, tensile strength and short circuit current withstand capacity tests as specified in IS.
- (d) Connector shall have sufficient mechanical strength and shall completely enclose the conductor and terminal very tightly so that the mechanical stresses set up due to vibration, wind and short circuit current can be withstood. The conductivity of connector shall be high.
- (e) All castings shall be free from blow holes, surface blisters, cracks and cavities. All sharp edges and corners shall be debarred and rounded off.
- (f) No part of the connector shall be less than 10 mm thick.

- (g) Size of terminal/conductor for which the connector is suitable and the rated current under site condition shall be punched on the connector body.
- (h) All current carrying parts shall be designed and manufactured to offer the minimum contact resistance.
- (i) Bolts shall be located as close to the conductor as possible and shall be opposite each other. Bolt diameter shall be such as to give the desired clamping and contact pressure.
- (j) A check nut shall be provided over nut on each bolt to void loosening of nuts due to vibration. Steel bolts, nuts, washers and check nuts shall be made of appropriate strength.

## 7.8 MANUFACTURE OF ZINC OXIDE (ZNO) ELEMENTS:

- a) The bidder should have all facilities to manufacture zinc oxide discs, with special emphasis on automation of each element of processing of raw materials, mixing of ingredients employed for manufacture of discs, verification of homogeneity of powder mixture, preparation and compression of disc element and stage verification/testing of disc elements. The bidder must confirm that the process employed for the purpose is fully automatic and should describe all critical stages of manufacture, including the following:
  - i. Batch Mixing
  - ii. Batch Grinding
  - iii. Batch Homogenising
  - iv. Spray Drying
  - v. Sieving or Sizing
  - vi. Sintering
- b) The bidder should also briefly describe the methods adopted and instruments used for measurements to check the quality in following areas as also other important areas during manufacturing process:
  - i. The fineness of material having sub micron size of particles.
  - ii. To measure the particle sizes of input and process materials.
  - iii. Determination of trace impurities in all the metallic oxides.
  - iv. The determination of viscosities of the metal oxide slips during powder preparation.
  - v. To determine the impurity levels of Chlorides, Nitrates and Sulphates as a spot check.
  - vi. To check the porosity and the grain sizes of pressed metal oxide elements.

- vii. Process of testing of each disc after final finishing.
- c) The heat treatment cycle details along with necessary quality checks used for individual blocks along with insulation layer formed across each block are to be furnished. Metalizing coating thickness for reduced resistance between adjacent discs is to be furnished with additional information schedule of bid proposal sheets along with procedure for checking the same. Details of thermal stability test for uniform distribution of current on individual disc is to be furnished.
- d) The manufacturer will submit data for rejection rate of ZnO blocks during manufacturing/operation for the past three years.
- e) The supplier of surge arrester must be a manufacturer of Zinc/Metal oxide blocks to have control over quality and avoid spurious blocks. The type test on surge arresters is valid only if supplied surge arresters use same make of blocks on which type test is done. If blocks utilized are different from those used in type tested surge arresters, then type test is not valid. The details of blocks furnished in GTP should match those in Type Test reports.
- f) The sealing arrangement of the surge arrester steaks shall be done incorporating grooved flanges with the O-rings/elliptical cross section gaskets of Neoprene or Butyl rubber.

#### **8.0 Name Plate :**

- a. The arrester shall be provided with non-corrosive legible name plate indelibly marked with the following information.
- b. Transmission Corporation of Telangana Limited
- c. Order no.
- d. Manufacturer's name or trade mark and identification no. of the Arrester being supplied.
- e. Rated Voltage.
- f. Maximum Continuous operating voltage.
- g. Type.
- h. Rated Frequency.
- i. Nominal discharge current.
- j. Long Duration discharge class.
- k. Pressure relief current in kA rms.
- l. B.I.L. of the equipment to be protected.
- m. Year of manufacture.

- 8.1** The Guaranteed Technical Particulars for the material being supplied shall be provided with this bid as specified in the Annexure-II enclosed. The bids received without these particulars will be considered non-responsive.
- 8.2** The graph for Temporary over voltage (TOV) capability should be submitted along with bid.

**8.3** Energy handling capability: Calculation for energy handling capability should be submitted along with bid, for single shot of wave and multiple shots of wave as per IEC-60099-4 : 2014.

8.4 The minimum permissible separation between Surge Arrestor and any earthed object shall be indicated in the bid.

**9.0 TESTS:**

**9.1 TYPE TESTS :**

The Lightning Arrestors of the type and design offered should have been fully type tested as per the relevant standards (IS 15086 (Part 4) : 2017 IEC 60099-4 : 2014). The date of type tests conducted shall be the latest and not earlier than 10 years as on date of bid opening . The Bidder shall furnish two sets of type test reports, along with the offer. The bids received without type test reports will be considered Non-Responsive.

**LIST OF TYPE TESTS**

**I) Tests on metal oxide blocks**

- i) Steep Current Impulse Residual Voltage test
- ii) Lightning impulse Residual voltage test
- iii) Switching impulse Residual voltage test
- iv) Long duration current impulse withstand test
- v) Operating duty test
  - a) - High Current Impulse operating duty test
  - b) - Switching Surge Operating Duty test
  - c) - Accelerated ageing test
  - d) P. F. voltage v/s time characteristic

**II) Tests on Arrester with Housing(as applicable)**

- i) Lightning Impulse voltage withstand test on insulator (cl. No. 8.2.6 )
- ii) P.F. (Wet) voltage withstand test on insulator (cl. 8.2.8 )
- iii) Bending test moment test (cl. No. 8.11)
- iv) Heat dissipation behaviour verification of test sample (Cl. 8.6)
- v) Seal leak rate( Cl. 8.13)

**vi) III) Tests on complete Arrester**

- i) Weather aging test (5000 h) (cl. 10.8.14 )
- ii) Seismic forces withstand test
- iii) High current short circuit test
- iv) Low current short circuit test
- v) Water immersion test (cl.10.8.11.3.2)
- vi) Leakage check test (cl. 9.1(e))

#### **IV) General**

- i) STC on Terminal connector (31.5 kA for 1 sec)
- ii) Uniformity of Zinc coating for metal parts
- iii) Special Thermal stability test as per cl.9.2.2 of IEC 60099-1-2009

##### 9.1.2 Acceptance and Routine Tests:

- 9.1.3 All acceptance and routine tests as stipulated in the relevant standards shall be carried out by the Supplier in the presence of the Purchaser's representative.
- 9.1.4 Acceptance tests, whenever possible shall be conducted on the complete arrester unit. The number of samples to be subjected to acceptance tests shall be decided by the Purchaser at the time of actual testing.
- 9.1.5 The artificial pollution test shall be carried out as per applicable standards. This test shall be considered as a type test.
- 9.1.6 The special thermal stability test shall be carried out as acceptance test.

#### **LIST OF ACCEPTANCE TESTS:**

- 1) Lightning Impulse residual voltage test on complete arrester / unit of arrester
- 2) Reference voltage test
- 3) Leakage check test
- 4) Partial discharge test
- 5) Visual / Dimensional check
- 6) Special Thermal stability test as per cl.9.2.2 of IEC 60099-4-2009
- 7) Galvanization test on metal parts
- 8) Water immersion test for a duration of 24 hrs, to check the water penetration, on any one randomly selected sample from every 50 (Fifty) or below nos. of LA offered for inspection, shall be carried out and report shall be submitted. Acceptance tests, whenever possible shall be conducted on the complete arrester unit. The number of samples to be subjected to acceptance tests shall be decided by the purchaser at the time of actual testing

#### **LIST OF ROUTINE TESTS:**

- 1) Measurement of reference voltage
- 2) Lightning Impulse Residual voltage test
- 3) Partial discharge test
- 4) Visual / Dimensional check

5) Leakage check rate test for a duration of 24 hrs to check the water penetration, on any one randomly selected sample from every 50 (Fifty) or below nos. of LA offered for inspection, shall be carried out and report shall be submitted.

## 10.0 INSPECTION:

- i) The Purchaser shall have access at all reasonable times to the works and all other places of manufacture, where the Lightning Arrestors are being manufactured and the Supplier shall provide all facilities for unrestricted inspection of the supplier's works raw materials, manufacture of the equipment, all the accessories and for conducting necessary tests as detailed herein.
- ii) The supplier shall keep the Purchaser informed in advance of the time of starting and of the progress of manufacture of equipment in its various stages so that arrangements could be made for inspection.
- iii) The Supplier shall give 15 days (for local supplies) 30 days (for foreign supplies ) advance intimation to enable the purchaser to depute his representative for witnessing acceptance and routine tests. All charges in connection with inspection by purchaser's personnel such as travel, accommodation and incidentals shall be borne by the bidder.
- iv) No material shall be dispatched from its point of manufacture unless the material has been satisfactorily inspected ,tested and cleared for dispatch.
- v) The acceptance of any quantity of equipment shall in no way relieve the Supplier of the responsibility for meeting all the requirements of this specification and shall not prevent subsequent rejection if such equipment are later found to be defective.

## 11.0 QUALITY ASSURANCE PLAN :

- 11.1 The bidder shall invariably furnish the following information along with his offer failing which the offer shall be liable for rejection. Information shall be separately given for individual type of equipment offered.
  - (a) The Structure of organization
  - (b) The duties and responsibilities assigned to staff ensuring quality of work
  - (c) The system of purchasing, taking delivery and verification of materials
  - (d) The system for ensuring quality of workmanship
  - (e) The quality assurance arrangements shall confirm to the relevant requirement of ISO-9001 or ISO 9002 as applicable.
  - (f) Statement giving list of important raw materials, names of sub-supplies for the raw materials, list of standards according to which the raw material are tested, list of tests normally carried out on raw material in the presence of suppliers representative, copies of test certificates.
  - (g) Information and copies of test certificates as on (vi) above in respect of bought out items.

- (h) List of manufacturing facilities available.
- (i) Level of automation achieved and list of areas where manual processing exists. List of areas in manufacturing process, where stage inspections are normally carried out for quality control and details of such tests and inspections.
- (j) List of testing equipment available with the bidder for final testing of equipment specified and test plant limitation, if any vis-a-vis the type. Special acceptance and routine tests specified in the relevant standards. These limitations shall be very clearly brought out in "Schedule of Deviations" from the specified test requirements.

**11.2 The Contractor shall within 30 days of placement of order, submit the following information to the purchaser.**

- i) List of the raw material as well as bought out accessories and the names of sub-suppliers selected from those furnished along with the offer.
- ii) Type test certificates of the raw material and bought out accessories if required by the purchaser.
- iii) Quality Assurance Plan (QAP) with hold points for purchasers inspection. QAP and purchasers hold points shall be discussed between the purchaser and contractor before the QAP is finalized.

**11.3 The contractor shall submit the routine test certificates of bought out items and raw material at the time of routine testing that the quality of fully assembled equipment.**

**11.4 The Quality Assurance Programme shall give a description of the Quality System and Quality Plans with the following details.**

- i) Quality System:
  - The Structure of the Organization
  - The duties and responsibilities assigned to staff ensuring quality of work.
  - The system of purchasing, taking delivery of verification of materials.
  - The system of ensuring of quality workmanship.
  - The system of control of documentation.
  - The system of retention of records.
  - The arrangement of contractor internal auditing.
  - A list of Administrator and work procedures required to achieve contractors quality requirements. These procedures shall be made readily available to the purchaser for inspection on request.

- ii) Quality Plans:
  - An outline of the proposed work and program sequence.
  - The structure of contractors organizations for the contract.
  - The duties and responsibilities ensuring quality of work
  - Hold and notification points.
  - Submission of engineering documents required by this specification.
  - The Inspection of the materials and components on request.
  - Reference to contractors work procedures appropriate to each activity.
  - Inspection during fabrication/construction.
  - Final inspection and test.

## 12.0 DOCUMENTATION:

12.1 All drawings shall conform to International standards Organization (ISO) "A" series of drawing sheets/Indian Standards specifications. All drawings shall be in ink and suitable for microfilming. All dimensions and data shall be in S.I. units.

12.2 **List of Drawings and Documents.**

The Bidder shall furnish four sets of following drawings along with his offer:

- i) General outline drawings of the complete Arrestors with technical parameters.
- ii) Drawing showing clearances from grounded and other live objects and between adjacent poles of Lightning Arrestors, required at various heights of Lightning Arrestors.
- iii) Drawings showing details of pressure relief devices.
- iv) Detailed Drawing of discharge counters along with the wiring and schematic drawing of discharge counter and meter.
- v) Outline drawing of insulating base.
- vi) Details of grading ring if used.
- vii) Mounting Details of Lightning Arrestors.
- viii) Details of line terminal and ground terminals.
- ix) volt-time characteristics of Lightning Arrestors.
- x) Details of Galvanising being provided on different ferrous parts.
- xi) The detailed dimensional drawing of porcelain housing such as ID,OD, thickness and insulator details such as height, profile of petticoats, angle of inclination and gap between successive petticoats, total creepage distance etc.,

12.3 The supplier should within two weeks of placement of order, submit four sets of final versions of all the above said drawings for purchaser's approval. The purchaser shall communicate his approval/comments on the drawings within two weeks from the date of receipt of drawings. The supplier shall if necessary, modify the drawings and resubmit four copies of the modified drawings for purchaser's approval within two weeks from the date of purchaser's comments. The purchaser shall communicate his approval within two weeks from the date of receipt of the revised drawings. After receipt of purchaser's approval, the supplier shall within three weeks, submit 20 prints and two good quality reproducible of the approved drawings for purchaser's use.

12.4 The approval of the drawings by the purchaser shall not relieve the supplier for his responsibility and liability for ensuring correctness and correct interpretation of the latest revision of applicable standards, rules and codes of practices.

## 13.0 TEST REPORTS :

- i) Four copies of acceptance test reports shall be furnished to the Purchaser. One copy will be returned, duly certified by the Purchaser and only thereafter shall the materials be dispatched.
- ii) All records of routine test reports shall be maintained by the Supplier at his works for periodic inspection by the Purchaser.

- iii) All test reports of tests conducted during manufacture shall be maintained by the Supplier. These shall be produced for verification as and when requested for by the Purchaser.

#### **14.0 PACKING & FORWARDING ;**

- 14.1 The equipment shall be packed in suitable crates so as to withstand handling during transport and outdoor storage during transit. The Supplier shall be responsible for any damage to the equipment during transit, due to improper and inadequate packing. The easily damageable material shall be carefully packed and marked with the appropriate caution symbols. wherever necessary, proper arrangement for lifting such as lifting hooks etc., shall be provided. Any material found short inside the packing cases shall be supplied by the Supplier without any extra cost.
- 14.2 Each consignment shall be accompanied by a detailed packing list containing the following information :
  - a) Name of the consignee.
  - b) Details of consignment
  - c) Destination.
  - d) Total weight of consignment.
  - e) Sign showing upper/lower side of the crate.
  - f) Handling and unpacking instructions.
  - g) Bill of materials indicating contents of each package.
- 14.3 The Supplier shall ensure that the packing list and bill of materials are approved by the Purchaser before dispatch.
- 14.4 The material shall be transported within India to the respective destination by Road Transport/ Rail Transport as the case may be at the option of the Purchaser.

#### **15.0 Quantity And Delivery Requirement :**

- i) This is set out in Section-IV of this specification.
- ii) The scope of supply shall include a supply of required quantity of bolts, nuts , washers, split pins cotter pins and such other small loose items free of cost.

**ANNEXURE I**  
**Technical Requirements for Metal Oxide (Gapless):**

| <b>Sl.No.</b> | <b>Particulars</b>                                                                  | <b>33 kV Lighting Arrestor</b> |
|---------------|-------------------------------------------------------------------------------------|--------------------------------|
| 1             | Rated Arrester Voltage kV                                                           | 30                             |
| 2             | M.C.O.V (kV r.m.s.) Max. continuous operating voltage.                              | 24                             |
| 3             | Installation                                                                        | Outdoor                        |
| 4             | Class                                                                               | Station Low duty               |
| 5             | Type of Construction for 10 kA rated Arrester.                                      | Single column, Single Phase    |
| 6             | Nominal discharge current corresponding to 8/20 microsecond wave shape ( kA r.m.s.) | 10                             |
| 7             | Type of mounting                                                                    | Pedestal                       |
| 8             | Connection (between phase to earth (P/E) / phase to phase(P/P))                     | P/E                            |
| 9             | Long duration discharge class                                                       | 2                              |
| 10            | Ratio of switching impulse residual voltage to rated voltage of Arrester.           | 2                              |
| 11            | Minimum Prospective symmetrical fault current for pressure relief test ( kA rms)    | 31.5                           |
| 12            | a) Terminal connector suitable for ACSR Conductor size                              | Single Moose/Zebra             |
|               | b) Take off                                                                         | Vertical                       |
| 13            | Voltage ( corona extinction ) (kV rms)                                              | Rated voltage of the Arrester  |
| 14            | Maximum radio interference voltage when energized at MCOV ( Micro volts )           | Not applicable                 |
| 15            | Whether insulating base and discharge counter with milli-ammeter are required.      | Not required                   |
| 16            | Minimum creepage distance of Arrester housing. (mm)                                 | 900                            |
| 17            | Energy Discharge Capacity                                                           | 4kJ/kV                         |

(To be filled in by the bidder)

**ANNEXURE II**  
**GUARANTEED TECHNICAL PARTICULARS**

| <b>Sl.<br/>No.</b> | <b>Particulars</b>                                                                           | <b>33kV Lightning<br/>Arrestor</b> |
|--------------------|----------------------------------------------------------------------------------------------|------------------------------------|
| 1                  | Name of Manufacturer of                                                                      |                                    |
| i)                 | Lightning Arrestor                                                                           |                                    |
| ii)                | ZnO Blocks                                                                                   |                                    |
| 2                  | Arrestor class & type                                                                        |                                    |
| 3                  | Applicable Standard                                                                          |                                    |
| 4                  | Rated Arrestor Voltage(kV)                                                                   |                                    |
| 5                  | Maximum Continuous Operating voltage (MCOV)-(kV)                                             |                                    |
| 6                  | Nominal Discharge Current (kA) with 8/20 Micro-second wave                                   |                                    |
| 7                  | Long Duration Discharge                                                                      |                                    |
| 8                  | Minimum Energy Discharge Capability (kJ/kV)                                                  |                                    |
| 9                  | Maximum switching current impulse residual voltage at                                        |                                    |
| i)                 | 1000 Amps                                                                                    |                                    |
| ii)                | 250 Amps                                                                                     |                                    |
| 10                 | Maximum residual voltage with 1 micro second current wave at 10 kA ( kVp)                    |                                    |
| 11                 | Maximum residual voltage with 8/20 (kVp) Micro-second wave                                   |                                    |
| i)                 | 5 kA                                                                                         |                                    |
| ii)                | 10 kA                                                                                        |                                    |
| iii)               | 20 kA                                                                                        |                                    |
| 12                 | Safe Fault Current (kA)                                                                      |                                    |
| 13                 | Lightning impulse withstand voltage of Arrestor housing with 1.2/50 micro-second wave (kVp). |                                    |
| 14                 | One minute power frequency withstand voltage of housing (dry/wet) - kv (r.m.s.)              |                                    |
| 15                 | High Current short duration impulse withstand level with 4/10 micro second wave ( kA ) Peak  |                                    |
| 16                 | Pressure Relief Class                                                                        |                                    |
| 17                 | Over-voltage withstand Capability kV                                                         |                                    |
| a)                 | 10 seconds                                                                                   |                                    |
| b)                 | 1 second                                                                                     |                                    |
| c)                 | 0.1 second                                                                                   |                                    |
| 18 a)              | Reference Voltage (kV)                                                                       |                                    |
| b)                 | Reference Current (kA)                                                                       |                                    |

| <b>Sl.<br/>No.</b> | <b>Particulars</b>                                                                     | <b>33kV Lightning<br/>Arrestor</b> |
|--------------------|----------------------------------------------------------------------------------------|------------------------------------|
| 19                 | Number of Units per phase and rating of each unit                                      |                                    |
| 20                 | Minimum total creepage distance (mm)                                                   |                                    |
| 21                 | Leakage Current (mA)                                                                   |                                    |
| 22                 | Total weight of Arrestor (kg)                                                          |                                    |
| 23                 | Maximum cantilever strength of Lightning Arrestor (Including Wind Load)                |                                    |
| 24                 | Overall Height of Lightning Arrestors (mm)                                             |                                    |
| 25                 | Maximum distance recommended from equipment to be protected by Lightning Arrestor (mm) |                                    |
| 26                 | Minimum distance between surge arrester and any grounded object( mm)                   |                                    |
| 27                 | Minimum distance between Arrestor phase legs (mm)                                      |                                    |
| 28                 | Make of Porcelain insulator details as per clause 7.6 section V                        |                                    |
| 29                 | Energy handling capability calculations (furnished/not furnished)                      |                                    |
| 30                 | Graphs for TOV (furnished/not furnished)                                               |                                    |
| 31                 | Grading ring                                                                           |                                    |
| 32                 | Pressure relief device details                                                         |                                    |
| 33                 | Sealing arrangement details                                                            |                                    |

Name of firm-----  
 Signature of bidder-----

## SECTION – VI

### **QUALIFICATION REQUIREMENTS**

1. The bidder should be a manufacturer who must have designed, manufactured, tested and supplied to power utilities at least 40% of the tendered quantity of the goods/equipment of same or higher voltage class against quantity indicated in the “Schedule of Requirement” in one continuous period of 12 months in the last five years as on the date of opening of bid and its financial turnover during any one year of the last five years should have been equal or more than 100% value of the estimated contract value.

At least 20% of the similar material offered against quantity as indicated in the ‘Schedule of Requirements’ should be in successful operation since 2 years as on the date of opening of the Bid.

2. The bidder should furnish the information on all past supplies and satisfactory performance in proforma under Form 6 along with documentary evidence in support of the same such as copies of purchase orders, invoices, delivery challans etc.
3. All bids submitted will also include the following information:
  - i. Copies of original documents defining the constitution or legal status, place of registration and principle place of business of the company or firm or partnership, etc.,
  - ii. The bidder should furnish a brief write-up, backed with adequate data, explaining his available capacity and experience (both technical and commercial) for the manufacture and supply of the required equipment within the specified time of completion after meeting all their current commitments.
  - iii. The bidder should clearly confirm that all the facilities exist in his factory for inspection and testing and these will be made available to the purchaser or his representative for inspection.
  - iv. Reports on financial standing of the Bidder such as profit and loss statement, balance sheets and auditor’s report for the past three years, bankers certificates etc.
4. The bidder shall furnish Type Test Reports. The type tests must have been conducted on the material offered as per the relevant IS in recognized laboratory as per latest revision of the relevant standards applicable and Technical specification and the date of type tests will not be earlier than ten years as on the date of bid opening The Bids received without type test reports will be treated as Non-Responsive. If any change in design was made latest type tests shall be furnished along with approved drawing

5. Even though the bidder meets the above qualifying criteria, they are subject to be disqualified if they have...
  - a. made misleading or false representations in the forms statements and attachments submitted in proof of qualification requirements and / or
  - b. record of poor performance such as not properly completing the contract, inordinate delays in supply completion, litigation history or financial failure etc.
6. Bidders should quote for 100% of the tender quantity indicated in the 'Schedule of Requirements' of Bid specification, on single responsibility basis. Bids with less than the prescribed quantity are liable for rejection.
7. Not withstanding anything stated above the purchaser reserves the right to assess bidders capability and capacity to perform the contract should circumstances warrant such an assessment in the overall interest of the Purchaser.

## SECTION VII

### SAMPLE FORMS

#### **1 .QUALIFICATION & PERFORMANCE PARTICULARS:**

|                                                     |                                                    |
|-----------------------------------------------------|----------------------------------------------------|
| Specification No: TGPMM 11-01/2026                  |                                                    |
| Material Description: Lightning Arrestors           | 33kV                                               |
| I. Qualifying requirements as per the Specification |                                                    |
| Details                                             | Quantity Unit                                      |
| Quantity as per schedule of requirements            | Nos.                                               |
| Supply - 40% of the requirement                     | Nos.                                               |
| Performance - 20% of the requirement                | Nos.                                               |
| Turnover – 100 % of quantity quoted                 | Rs.                                                |
| Type Test Reports                                   | Not earlier than 10 years from date of bid opening |

#### **II. Bidders past supply details to be furnished by the Bidder**

| Sl No                                        | Particulars                                                               | Name of the Purchaser and quantity |                |          |                |          |  | Total |
|----------------------------------------------|---------------------------------------------------------------------------|------------------------------------|----------------|----------|----------------|----------|--|-------|
|                                              |                                                                           | 1                                  |                | 2        |                | 3        |  |       |
|                                              | Purchaser Name                                                            | Quantity                           | Purchaser Name | Quantity | Purchaser Name | Quantity |  |       |
| Quantity supplied during the last five years |                                                                           |                                    |                |          |                |          |  |       |
| 1.                                           | Year:                                                                     |                                    |                |          |                |          |  |       |
|                                              | Supply Qty                                                                |                                    |                |          |                |          |  |       |
|                                              | Turnover Amount                                                           |                                    |                |          |                |          |  |       |
| 2.                                           | Year:                                                                     |                                    |                |          |                |          |  |       |
|                                              | Supply Qty                                                                |                                    |                |          |                |          |  |       |
|                                              | Turnover Amount                                                           |                                    |                |          |                |          |  |       |
| 3                                            | Year:                                                                     |                                    |                |          |                |          |  |       |
|                                              | Supply Qty                                                                |                                    |                |          |                |          |  |       |
|                                              | Turnover Amount                                                           |                                    |                |          |                |          |  |       |
| 4                                            | Year:                                                                     |                                    |                |          |                |          |  |       |
|                                              | Supply Qty                                                                |                                    |                |          |                |          |  |       |
|                                              | Turnover Amount                                                           |                                    |                |          |                |          |  |       |
| 5                                            | Year:                                                                     |                                    |                |          |                |          |  |       |
|                                              | Supply Qty                                                                |                                    |                |          |                |          |  |       |
|                                              | Turnover Amount                                                           |                                    |                |          |                |          |  |       |
| 6                                            | Maximum supply in continuous 12 months period in last 5 years.<br>From To |                                    |                |          |                |          |  |       |
| 7                                            | Performance for similar eqpt. Qty                                         |                                    |                |          |                |          |  |       |
| 8                                            | Year of Type Test Reports enclosed                                        |                                    |                |          |                |          |  |       |

Note:

1. Documentary evidence in support of the above shall be furnished along with the Bid. Month wise supply details for the above shall also be furnished.
2. If any of the information furnished above is found to be false the firm will be debarred.
3. If the Bidder has supplied to more than three suppliers to meet the qualifying requirement a separate sheet may be enclosed to include the other suppliers and total indicated.
4. This above schedule shall be enclosed to the qualification bid.

Signature of Bidder : \_\_\_\_\_

Name in Capitals : \_\_\_\_\_

Designation : \_\_\_\_\_

Name of the firm : \_\_\_\_\_

Seal of the company : \_\_\_\_\_

Address of the Company : \_\_\_\_\_

Place :

Date:

## **2. BID SECURITY FORM**

To

The Chief Engineer/P&MM,  
TSTRANSCO, Vidyut Soudha, Hyderabad – 500082

Whereas ..... (hereinafter called "the Bidder") has submitted its Bid dated ..... (date of submission of bid) for the supply of ..... (name and/or description of the materials/ equipment) (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that WE ..... (name of bank) having our registered office at ..... (address of bank) (hereinafter called "the Bank"), are bound unto ..... (name of Purchaser) (hereinafter called "the Purchaser") in the sum of ..... for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ 20XX.

THE CONDITIONS of this obligation are:

1. If the Bidder
  - withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
  - does not accept the correction of errors in accordance with the Bid Specification, or
2. If the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid validity;
  - (a) fails or refuses to furnish the performance security, in accordance with the Bid Specification.
  - (b) fails or refuses to execute the Contract Form if required; or

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including sixty (60) days after .....(Specification Date) the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

.....  
(Signature of the Bank)

**NOTE :** This will be executed on a Rs.100/- non-judicial stamp paper issued by a scheduled Bank/Nationalized Bank.

### **3. MANUFACTURERS' BIDDING AUTHORISATION FORM**

No. \_\_\_\_\_ dated \_\_\_\_\_

To  
 The Chief Engineer/P&MM,,  
 TGTRANSCO, Vidyut Soudha, Hyderabad - 500082

Dear Sir,

**BID SPECIFICATION No. TGPMM 11-01/2026**

We \_\_\_\_\_ (Name & complete Address) who are established and reputable manufacturers of (Name & descriptions of material/equipment offered) having factory at (address of factory) do hereby authorize \_\_\_\_\_  
 \_\_\_\_\_ (Full name and Designation) whose specimen signature is attested here under to submit the bid, and sign the contract with you for the above materials/equipment manufactured by us against the above Specification Number.

Specimen Signature

Yours faithfully,

(Name)  
 (Name of manufacturers)

**Note : This letter of authority should be on the letterhead of the manufacturer.  
 It should be included by the Bidder in its bid.**

The Bidder's complete postal address and their factory complete postal address with phone and fax numbers shall be invariably mentioned in the above proforma.

#### **4. CONTRACT FORM**

**THIS AGREEMENT** made the. .... day of. .... Year: Between. ....(Name of Purchaser) of the one part and. ....(Name of Supplier) of the other part:

**WHEREAS** the Purchaser invited bids for certain Materials / equipment and ancillary services viz.,  
 .....(Brief description of Materials / equipment and Services) and has accepted a bid by the Supplier for the supply of those Materials / equipment and services in the sum of. ....(Contract Price in Words and Figures)(hereinafter called "the Contract Price").

**NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:**

1. In this Agreement words and expressions will have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents will be deemed to form and be read and construed as part of this Agreement, viz.:
  - (a) the Bid Form and the Price Schedule submitted by the Bidder;
  - (b) the Schedule of Requirements;
  - (c) the Technical Specifications;
  - (d) the General Conditions of Contract;
  - (e) the Purchaser's Notification of Award.
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Materials / equipment and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Materials / equipment and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the Materials / equipment and services which will be supplied/ provided by the Supplier are as under:

| Sl. No. | Brief Description of Materials / Equipment & services | Quantity to be supplied | Unit Price Rs. | Total Price Rs. | Delivery Terms |
|---------|-------------------------------------------------------|-------------------------|----------------|-----------------|----------------|
|         |                                                       |                         |                |                 |                |
|         |                                                       |                         |                |                 |                |
|         |                                                       |                         |                |                 |                |

**TOTAL VALUE:** (Rupees \_\_\_\_\_ only)

**DELIVERY SCHEDULE:**

**IN WITNESS** whereof the parties hereto have caused this Agreement to be executed on the day and year first above written.

Signed, Sealed and Delivered by the  
said. .....(for the Purchaser)  
in the presence of. ....

Signed, Sealed and Delivered by the  
said. .....(for the Supplier)  
in the presence of. ....

**NOTE:** To be executed on a Rs.100/- Non-judicial stamp paper.

## **5. PERFORMANCE SECURITY FORM**

To  
 The Chief Engineer/P&MM,,  
 TGTRANSCO, Vidyut Soudha, Hyderabad – 500082

**WHEREAS** ..... (Name of Supplier)  
 (hereinafter called "the Supplier") has undertaken, in pursuance of Contract  
 No..... dated....., year: to supply .....  
 (Description of Materials/ equipment and Services) (hereinafter called "the Contract").

**AND WHEREAS** it has been stipulated by you in the said Contract that the Supplier will furnish you with a Bank Guarantee by a recognized Bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

**AND WHEREAS** we have agreed to give the Supplier a Guarantee:

**THEREFORE WE** hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of. .... (Amount of the Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limit of..... (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the. .... day of ..... year:.

Signature and Seal of Guarantors

.....

Date. .... Year:

.....

.....

Address:.....

.....

.....

**NOTE :** This will be executed on a Rs.100/- non-judicial stamp paper by State Bank of India or its associated Banks/Nationalised Banks.

## 6. PROFORMA FOR PERFORMANCE STATEMENT

Bid No.\_\_\_\_\_

Date of Opening\_\_\_\_\_

Time \_\_\_\_\_ Hours

Name of the Firm :

| Order placed by<br>(full address<br>of the<br>purchaser) | Order No.<br>& Date | Description<br>and quantity<br>of ordered<br>equipment/<br>material | Date of Completion<br>of Delivery |        | Remarks<br>indicating<br>reasons for<br>late<br>delivery, if<br>any | Has the<br>equipment been<br>satisfactorily<br>functioning?<br>(Attach a<br>Certificate from<br>the Purchaser) |
|----------------------------------------------------------|---------------------|---------------------------------------------------------------------|-----------------------------------|--------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|                                                          |                     |                                                                     | As per<br>Contract                | Actual |                                                                     |                                                                                                                |
| (1)                                                      | (2)                 | (3)                                                                 | (4)                               | (5)    | (6)                                                                 | (7)                                                                                                            |
|                                                          |                     |                                                                     |                                   |        |                                                                     |                                                                                                                |
|                                                          |                     |                                                                     |                                   |        |                                                                     |                                                                                                                |
|                                                          |                     |                                                                     |                                   |        |                                                                     |                                                                                                                |
|                                                          |                     |                                                                     |                                   |        |                                                                     |                                                                                                                |
|                                                          |                     |                                                                     |                                   |        |                                                                     |                                                                                                                |

Note: Proofs of performance shall be furnished along with relevant copies of purchase order & Invoices/DCs etc.

Signature of Bidder : \_\_\_\_\_

Name in Capitals : \_\_\_\_\_

Designation : \_\_\_\_\_

Seal of the company : \_\_\_\_\_

Address of the company:

## **7. DETAILS TO BE FURNISHED BY THE MANUFACTURER**

|     |                                                                                                     |   |                        |
|-----|-----------------------------------------------------------------------------------------------------|---|------------------------|
| 1.  | Specification No.                                                                                   | : | <b>TGPMM11-01/2026</b> |
| 2.  | Name of the Material                                                                                | : |                        |
| 3.  | Bidder's vendor Registration No. for this item                                                      | : |                        |
| 4.  | Quantity to be procured                                                                             | : |                        |
| 5.  | Last date and time for submission of Bid                                                            | : |                        |
| 6.  | Date and time for opening of Bid                                                                    | : |                        |
| 7.  | State whether Bid Security is enclosed                                                              | : |                        |
| 8.  | Whether willing to furnish performance Security B.G. @ 10 % if order is placed                      | : |                        |
| 9.  | Whether a local SSI Unit/ Local Unit                                                                | : |                        |
| 10. | Whether TGTRANSCO delivery schedule accepted?                                                       | : |                        |
| 11. | Prices whether variable / Firm if variable ceiling limits                                           | : |                        |
| 12. | Whether any other tax / duty payable. If so give details and the same is included / not included.   | : |                        |
| 13. | State whether TGTRANSCO terms of payment are accepted.                                              | : |                        |
| 14. | Quantity offered for supply                                                                         | : |                        |
| 15. | State whether 90 days validity offered                                                              | : |                        |
| 16. | Whether sample is enclosed (if specified)                                                           | : |                        |
| 17. | Whether the material / equipment offered conforms to the relevant TGTRANSCO Specification           | : |                        |
| 18. | Whether you have executed orders of the TGTRANSCO previously for these items. (Please give details) | : |                        |
| 19. | Similar details in respect of supplies made to other utilities                                      | : |                        |
| 20. | Whether GST clearance certificate enclosed                                                          | : |                        |
| 21. | Whether Income-tax clearance certificate Enclosed.                                                  | : |                        |
| 22. | Furnish the max production capacity per month of your plant for each type of the quoted materials.  | : |                        |
| 23. | Whether TGTRANSCO penalty clause accepted                                                           | : |                        |
| 24. | Whether TGTRANSCO Guarantee clause accepted                                                         | : |                        |
| 25. | HSN Code for the item quoted                                                                        | : |                        |

## **8. SCHEDULE OF DEVIATION**

### **A) TECHNICAL**

| <b>Sl.<br/>No.</b> | <b>Requirements /<br/>Equipment</b> | <b>Specification<br/>Clause No.</b> | <b>Deviations</b> | <b>Remarks</b> |
|--------------------|-------------------------------------|-------------------------------------|-------------------|----------------|
|                    |                                     |                                     |                   |                |
|                    |                                     |                                     |                   |                |

It is hereby conformed that except for deviations mentioned above, the offer conforms to all the other features specified in Technical Specification Section \_\_\_\_ of this Bid Document

Place :

Signature of the Bidder :

Date :

Name :

Business address :

### **B) COMMERCIAL**

| <b>Sl.<br/>No.</b> | <b>Requirements /<br/>Equipment</b> | <b>Specification<br/>Clause No.</b> | <b>Deviations</b> | <b>Remarks</b> |
|--------------------|-------------------------------------|-------------------------------------|-------------------|----------------|
|                    |                                     |                                     |                   |                |
|                    |                                     |                                     |                   |                |

It is hereby conformed that except for deviations mentioned above, the offer conforms to all the other features specified in Commercial Specification Section \_\_\_\_ of this Bid Document

Place :

Signature of the Bidder :

Date :

Name :

Business address:

## **9. DECLARATION FORM**

### **UNDERTAKING TO BE GIVEN BY THE COMPANY / PARTNERSHIP FIRM /**

### **CONTRACTOR REGARDING RELATIVES ALONGWITH THE BID**

I, \_\_\_\_\_ representing the Company / Partnership Firm / Contractor responding to the bid invitation by the TGTRANSCO / TSSPDCL / TSNPDCL vide Specification No. \_\_\_\_\_ hereby sincerely and solemnly affirm and state as follows:

**(STRIKE OUT THAT WHICH IS NOT APPLICABLE)**

(a) that myself or any of the representatives of my company / firm do not have any relatives as defined in the appended Annexure in the TGTRANSCO / DISCOM.

**OR**

(b) that the following officers / employees of the TGTRANSCO / DISCOM are related to me and to the representatives of my company / firm and their status in the TGTRANSCO / DISCOMS is as under:

| Sl.No. | Name of the Officer Employee | Designation and Place of working | TGTRANSCO / DISCOM | Relationship |
|--------|------------------------------|----------------------------------|--------------------|--------------|
| 1.     |                              |                                  |                    |              |
| 2.     |                              |                                  |                    |              |
| 3.     |                              |                                  |                    |              |
| 4.     |                              |                                  |                    |              |
| 5.     |                              |                                  |                    |              |
| 6.     |                              |                                  |                    |              |

It is certified that the information furnished above is true to the best of my knowledge and belief. It is hereby undertaken that in the event of any of the above information found to be false or incorrect at the later dated the TGTRANSCO / DISCOM is entitled to terminate the contract / agreement entered into besides recovering damages as may be found necessary, with due notice.

Signature of the Bidder : \_\_\_\_\_

Place:

Designation with office seal : \_\_\_\_\_

**DECLARATION TO BE GIVEN BY THE COMPANY / PARTNERSHIP FIRM / CONTRACTOR AT THE TIME OF ENTERING INTO AGREEMENT WITH TSTRANSCO / DISCOMS:**

**(STRIKE OUT THAT WHICH IS NOT APPLICABLE)**

(a) I declare that myself or any one of the representative of my company / firm do not have any relatives as defined in the appended annexure in the TGTRANSCO / DISCOM.

**OR**

(b) that the following officers / employees of the TGTRANSCO / DISCOM are related to me and to the representatives of my company / firm as mentioned hereunder:

| Sl.No. | Name of the Officer Employee | Designation and Place of working | TGTRANSCO / DISCOM | Relationship |
|--------|------------------------------|----------------------------------|--------------------|--------------|
| 1.     |                              |                                  |                    |              |
| 2.     |                              |                                  |                    |              |
| 3.     |                              |                                  |                    |              |
| 4.     |                              |                                  |                    |              |
| 5.     |                              |                                  |                    |              |
| 6.     |                              |                                  |                    |              |

It is certified that the information furnished above is true to the best of my knowledge and belief. It is hereby undertaken that in the event of any of the above information found to be false at the later dated the TGTRANSCO / DISCOM is entitled to terminate the contract / agreement entered into besides recovering damages as may be found necessary, with due notice.

Place:

Signature of the Bidder : \_\_\_\_\_

Designation with office seal : \_\_\_\_\_

**LIST OF RELATIVES:**

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| 1. Father                             | 14. Daughter's Husband               |
| 2. Mother (including step mother)     | 15. Daughter's Son                   |
| 3. Son (including step son)           | 16. Daughter's Son's Wife            |
| 4. Son's Wife                         | 17. Daughter's Daughter              |
| 5. Daughter (including step daughter) | 18. Daughter's Daughter's Husband    |
| 6. Father's Father                    | 19. Brother (including step brother) |
| 7. Father's Mother                    | 20. Brother's Wife                   |
| 8. Mother's Mother                    | 21. Sister (including step sister)   |
| 9. Mother's Father                    | 22. Sister's Husband                 |
| 10. Son's son                         | 23. Son's Wife's Father              |
| 11. Son's Son's Wife                  | 24. Son's Wife's Mother              |
| 12. Son's Daughter                    | 25. Daughter's Husband's Father      |
| 13. Son's Daughter's Husband          | 26. Daughter's Husband's Mother      |

} and their  
siblings

**10. BANK ACCOUNT DETAILS FOR RTGS**

1. Name of the Bank :
2. Name of the Branch :
3. Branch code :
- 4.. City :  
Account No. :
5. MICR No. :
6. IFSC No. :
7. Income Tax PAN Number :
8. GST Registration Number :
9. Date of GST Registration :
10. Place of GST Registration :

Place:

Signature of the Bidder :

Designation with office seal :

**11. BANKERS CERTIFICATE****TO WHOM SO EVER IT MAY CONCERN**

This is to certify that M/s. \_\_\_\_\_, having their plant at \_\_\_\_\_ is our customers and have satisfactory record of transactions. They are having the credit limits of Rs.\_\_\_\_\_ lakhs in our Bank.

Place:

Date:

Signature of the Manager

Name:

Bank address and Seal.

**12. UNDERTAKING TO BE GIVEN BY THE COMPANY**  
**REGARDING BLACKLISTING ALONG WITH THE BID**

I, \_\_\_\_\_ representing the Company responding to the bid invitation by the TGTRANSCO vide Bid Specification Number TGPMM11-01/2026 hereby sincerely and solemnly affirm and state as follows:

(a) We, \_\_\_\_\_ (Name of Company) or our promoter's firm(s) have not been banned/ black-listed/debarred by any Government department/ undertaking or Power Utility for non-performance or malpractice or due to any reasons.

It is certified that the information furnished above is true to the best of my knowledge and belief. It is hereby undertaken that in the event of any of the above information found to be false or incorrect at the later dated, the TGTRANSCO / DISCOM is entitled to terminate the contract/ agreement entered into besides recovering damages as may be found necessary, with due notice.

**Signature of the Authorised Representative**

Name : \_\_\_\_\_

Designation: \_\_\_\_\_

Office seal : \_\_\_\_\_

Date : \_\_\_\_\_

Place: \_\_\_\_\_