**TRANSMISSION CORPORATION OF TELANGANA LIMITED**



BID DOCUMENT

TENDER SPECIFICATION NO. MPT 13/2025-26

SUPERINTENDING ENGINEER/OMC CIRCLE,

TGTRANSCO, MAHABUBNAGAR

Procurement of 3 Nos. GPS Server units for utilization in OMC Circle, Mahabubnagar.

Tender’s Name & Address:

M/s\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Tender Specification No. MPT -13/2025-26

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TRANSMISSION CORPORATION OF TELANGANA LIMITED

SUMMARY SHEET

Tender Specification No. MPT – 13/2025-26 of Superintending Engineer/OMC/Mahabubnagar.

1. Name of the work : Procurement of 3 Nos. GPS Server units for

utilization in OMC Circle, Mahabubnagar.

1. Officer to whom Tenders : Superintending Engineer/OMC

shall be submitted Circle Mahabubnagar.

1. Superscription on the sealed : (i) Name of the work and Tender

Cover Tender Specification No.

(ii) Details of Bid Security,

Cost of the Specification

Details of D.D.Nos. /Online

payment enclosed.

(iii) Tender opening time & date.

(iv) Tender is valid for 90 days

from the date of opening.

1. Schedule Sale Opening Date : 27.06.2025 at 15.00 Hrs.
2. Last Date & Time of receipt of Tender. : 26.07.2025 at 15:00 Hrs.
3. Date and Time of opening of Tender. : 26.07.2025 at 16:00 Hrs.
4. Place of opening :O/o Superintending Engineer,

OMC Circle, Mahabubnagar.

1. Specification Cost : Rs.590.00
2. Bid Security to be paid : @ 2% of the Quoted value in the form of

Demand Draft or online payment to Account

No.62154919867, Account Name: SE OMC

Mahabubnagar,Bank Name :State Bank of

India Branch:Padmavathi Nagar Colony

IFSC Code : SBIN0020856 ,MICR Code:

509002013, CIF No.:72068388409 of

Superintending Engineer/OMC Circle/

Mahabubnagar, payable at Mahabubnagar.

1. Performance Security :10% of the Contract value.
2. Material Delivery Period : One Month from the date of purchase order

acceptance

Sd/-

Superintending Engineer,

OMC Circle, Mahabubnagar.

**SECTION-I**

GENERAL SPECIFICATIONS

* 1. BIDDERS/FIRMS ELIGIBLE TO BID - : As per Annexure (A).
  2. BIDDERS/FIRMS INELIGIBLE TO BID - : As per Annexure (B) .

3. **SCOPE OF WORK**

3.1 This specification covers the supply of materials testing and delivery FADS (free at destination stores) as detailed in the schedule attached to this specification. The material should confirm to relevant standards & Technical Specification mentioned in Section -III.

4. **Filling up of schedules:**

All the schedules should be dully filled in but not necessarily in the form sheets attached to the specification unless full details required in the schedules are furnished Tender offers shall not be considered.

If the tenderer has any doubt about the meaning of any portion of the specification, he should at once obtain the required clarification/information in writing from the Superintending Engineer/OMC/Mahabubnagar Circle from whom he has received the specification before 15 days from the date of tender opening after which no correspondence will be entertained.

1. **Bid Security:**
   1. Each Tenderer must pay the BID SECURITY to a value of @2% on the quoted Value. This amount should be paid by way of Crossed Demand Draft/Online payment payable at State Bank of India, or any other scheduled Banks drawn in favour of the Superintending Engineer/ OMC Circle, Mahabubnagar payable at Mahabubnagar or through online Payment. The crossed D.D./Online payment shall compulsorily be enclosed to the tender. Demand drafts or Online Payment/Pay orders received from the Tenderers towards BID SECURITY should be remitted to the “Receipt account” of TGTRANSCO and the Earnest Money Deposit will be refunded to the unsuccessful Tenderer on application soon after evaluation of the bids and on receipt of LOC on top priority basis.
   2. Submission of BID SECURITY by way of Cheque, Cash, Money order, Cash deposit or Bank Guarantee will not be accepted.
   3. Requests for exemption from payment of BID SECURITY will not be entertained in any case even though the Tenderers are registered with D.G.S & D and N.S.I.C.
   4. Payment of BID SECURITY will be waived at the discretion of the TGTRANSCO in the case of cent percent Government undertakings of the Central or State Government. Such undertakings should immediately apply and obtain exemption before submitting their Tenders. Exemptions accorded by any organization other than TGTRANSCO will not be considered.
   5. Manufacturers registered as S.S.I. Units with Industries Department, Government of Telangana are exempted from payment of BID SECURITY. Necessary SSI certificate shall be enclosed to the tender.
   6. The BID SECURITY paid along with the tender will be refunded to unsuccessful Tenderers on application soon after evaluation of the bids and on receipt of LOC on priority basis. In case of successful Tenderer or Tenderers, the BID SECURITY will be discharged after award of contract and acceptance of performance security.
   7. The BID SECURITY will be forfeited in the following cases:-
2. When the successful Tenderer does not accept the order after issue of Purchase Order.
3. When Tender is disqualified for the reasons outlined in Para 11.9.
4. When a Tenderer alters his price or withdrawals his offer during the validity period.
   1. The fact of having enclosed the BID SECURITY by Demand Draft/Online payment along with the Tender or, the fact of the Tenderer holding P.BID SECURITY should be clearly superscribed on the sealed envelope.
   2. Tenders which do not contain the above superscription on the sealed envelope shall be returned to the respective Tenders unopened without any consideration whatsoever.
   3. Cases where the BID SECURITY is superscribed on the cover but the Demand Draft/Online payment is not found in the cover and also if full BID SECURITY amount is not furnished shall run the risk of being blacklisted by the TGTRANSCO.

6. **Validity of tender**

Tender should be kept valid and open for an acceptance for a period of 90 days counted from the date of opening of the Tenders. The period of validity cannot be counted from the any date other than the date of opening of the Tenders. The Tenderers will not be permitted to withdraw or alter their offers once made within 90 days from the date of opening of the Tender and in that case the EMD will be forfeited automatically

The Tenderer should clearly super scribe on the sealed tender envelope about the validity of the Tender, No. of days. Any offer giving lesser period of validity other than 90 days shall be liable to be returned unopened at the discretion of the TGTRANSCO

**7. Past performance**

The Tenderer should furnish full particulars regarding supplies of the materials in question so far to the TGTRANSCO and to other boards and organization in India.

**8. Tax Clearance Certificates:**

Copies of income Tax, other Tax Certificates for the latest period from the appropriate authority shall be invariably be enclosed to the Tender. 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 certificate has already been produced by the Tenderer during the calendar year in which the Tender is made, it will be sufficient if particulars of the previous occasion are given.

**9. Service Conditions:**

* 1. The equipment/ materials offered shall be entirely satisfactory for operation under the climatic conditions indicated below.

a. Maximum ambient air temperature (in shade) 50 deg C.

b. Maximum ambient air temperature (under sun) 70 deg C.

c. Maximum daily average ambient air temperature 35 deg C

d. Maximum yearly average ambient air temperature 30 deg C.

e. Minimum ambient Temperature of air. 7.5 deg C.

f. Maximum relative humidity 74%

g. Altitude above M.S.L. Upto 1000 M

h. Average No.of thunder storm days per annum 40

i. Average No.of dust storm days per annum Occasional

j. Average No. of rainy days/ annum 90

k. Average Annual Rain fall 925 mm.

l. Normal tropical monsoon period 4 months

m. Maximum wind pressure 200 Kg/Sq.m.

* 1. Due consideration will be given to any special devices or attachments put forward by the Tenderer which are calculated to enhance the general utility and the safe and efficient operation of the equipment/ materials.
  2. **Quantity to quote :**

Suppliers would be required to quote for total quantities of each item in full, of a lot indicated in the specification. Offers quoting less than the prescribed quantity are liable for rejection.

* 1. **Completeness of Tender :**
     1. The tender should be complete with all details of materials, illustrative and descriptive literature and drawings, and information regarding the country of manufacture and origin of materials used in the manufacture of the articles. Tenders not accompanied by this information are liable for rejection.
     2. The Tenders should include all minor accessories not specifically mentioned in this specification but essential for the completeness of the equipment. The Tenderer shall not be eligible for any extra charges in respect of such minor accessories, even though they are not mentioned in the tender specification.

1. **Deviations from specification:**
   1. No deviations from the terms and conditions are allowed. All Tenders shall strictly conform to the conditions notified. Any Tenders not strictly in conformity with the notified conditions are liable to be rejected.
2. **Due date and submission of Tender:**
   1. Tenders in complete shape with all schedules and Tender forms filled in together with all accompanying Tender drawings, description and illustrative literature must be sent in a sealed cover kept in an outer sealed cover both addressed to the SUPERINTENDING ENGINEER/OMC CIRCLE, MAHABUBNAGAR so as to reach him by the due date and time specified in the tender notification. The name of the Supplier/Tenderer should be clearly within both on the sealed cover and outer envelope.
   2. The sealed cover as well as the outer envelope should be superscribed as follows:
   3. Registration No. of the Vendor with validity particulars. YES/NO
   4. Tender against Specification No. YES/NO
   5. Due date and time for submission. YES/NO
   6. Date and time for opening. YES/NO
   7. Payment of BID SECURITY& Cost of the Specification YES/NO

If paid, give details of online payment or

D.D. No./Online payment it’s date and amount.

ii) Mention if PBID SECURITY is available.

i) If not paid or exempted, give details.

* 1. Whether 90 days validity offered YES/NO
  2. Whether the quotation is made with TGTRANSCO payment

Terms as per clause 6 of Sec.II (Financial) YES/NO

* 1. Whether the delivery is

As per delivery schedule indicated YES/NO

* 1. Whether the sample (if specified)

has been enclosed/ sent. YES/NO

* 1. Tenders not superscribed as mentioned page No.3 are liable to be rejected.

11.4 The Tenders shall invariably complete Forms IIIA, IIIB, III C and IIID attached to the specification and enclose the same to the Tender without fail. Tenders without these enclosures will be rejected.

* 1. The time of actual receipt in the Tender receiving office only will count for the acceptance of the Tender and the date of Tender, date stamp of post office or date stamp of any other office will not count. The TGTRANSCO will not be response for any postal or any other transit delays.
  2. The Tenderers who have downloaded the specification from TGTRANSCO website only should quote.
  3. Standard printed conditions attached to the tender will not be accepted. Only those mentioned in the body of the Tender will be considered. Should the Tenderer wish to depart from the provision of this specification, he shall list such departures in the body of the Tender and submit full particulars and reasons for such departure. Unless so specifically brought out and explained the equipment/ materials offered shall be considered to comply in every respect with the terms and conditions contained in the specification.
  4. Telegraphic quotations and quotations given by fax will not be entertained under any circumstances. Clarifications, amplifications, and / or any other correspondence from the Tenderer subsequent to the opening of Tender will not be entertained. The Tenderers are advised to ensure that their Tenders are sent in complete shape at the first instance itself.
  5. Post Tender rebates, revisions or deviations in quoted prices and/or conditions or any such offers which will give a benefit to the Tenderer over others will not only be rejected outright but the original tender itself will get disqualified on this account and the BID SECURITY will be forfeited. Conditional discounts are not acceptable.
  6. In the event of the specified date for the submission of Tenders, being declared a holiday

for a purchaser, the Tenders will be received up to the appointed time on the next working

day.

**12. Tender opening date:**

Tenders will be opened at the office of the SE/OMC/CIRCLE MAHABUBNAGAR as indicated in the enquiry form on the date and time as specified therein in the presence of the Tenderers or their authorized representatives as may be desired to be present. The tenders will be opened even if tenderers or their representative are not present.

In the event of the specified date of TENDER opening being declared a holiday for any reasons the tenders will be opened on the next working day as notified on the notice board of the O/o SE/OMC/CIRCLE MAHABUBNAGAR

**13.** **Acceptance:**

It is not binding on TGTRANSCO to accept the lowest or any tender the TGTRANSCO reserves the right to place orders for individual items with different Tenderers and to revise the quantities at the time of placing of the order and to order extra materials up to the extent of the offered quantities within the validity of the tender. The orders for the items may be spit up between different Tenderers to facilitate quick delivery of the material required. The TGTRANSCO reserves the right to accept or reject any tender without assigning any reasons thereof.

TGTRANSCO reserves the right to vary the ordered quantity in the purchase order.

**14.** **Delivery:**

Delivery period shall be reckoned from the date of signing of the contract. The delivery period quoted shall 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 material or any similar prerequisites. The commencement date and date of completion of deliveries shall be indicated. The preferred delivery time which is the essence of this specification is indicated in the schedule IIIB. Final deliveries are however subject to the confirmation at the time of the order. Delay in delivery of materials FADS due to non availability of railway bookings non allotment of wagons and any such reasons will not be considered . It is the responsibility of the supplier to make alternative arrangements in transporting the materials by road or rail so as to see that the material reaches the destination within the stipulated time . TGTRANSCO reserves the right to defer the delivery date at any time after the orders are placed without any change in the conclusion of contract other conditions of supply. The delivery period which shall be reckoned from the date of receipt of purchase order shall be guaranteed.

**15. Test certificates**.

The latest test certificates containing the result of the tests as per the relevant IS specification stipulated must be submitted to the SE/OMC/CIRCLE MAHABUBNAGAR and got approved by him.

The tenderer should specifically mention about furnishing the manufacturers test certificate. A specimen form of test certificate should be furnished along with the tender.

**16. Inspection :**

The accredited representative of TGTRANSCO shall have access to the suppliers or his sub Contractors works at any time during the working hours for the purpose of inspecting the material at any time during manufacturing of the equipment and testing and may select Test samples . The supplier shall provide the facilities for inspection of such samples at any time. As soon as the materials are ready the suppler shall intimate TGTRANSCO by registered post at least 15 days in advance indicating readiness and carry out the tests before the representative of TGTRANSCO. If the sample is not kept ready at the time of inspection as informed, the performance of the company for the future tenders will be taken in account.

The TGTRANSCO may at its option get the materials inspected by a third party if it feels necessary and all inspection charges in this connection will have to be borne by the supplier. The dispatches will be affected only if the test results comply with the specification and the test certificates shall be got approved by this office.

Expenditure towards testing is to the account of the supplier only.

**17.** **Packing.**

The packing may be in accordance with the manufacturer’s standard practice unless otherwise specified. The suppler should however ensure that the packing is such that equipment’s reach the destination without damages after transport by air, sea , rail or road.

The supplier wherever dispatches the 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 on the same. The consignee will return to the supplier one copy of packing slip with his remarks. The proforma for packing slip is as follows.

Packing Slip

1. Purchase order No & Date
2. Quantity allotted to the stores and rate applicable
3. Quantity so for supplied to the stores and the rate applied
4. Quantity now supplied and the rate applied
5. Total Quantity supplied under the purchase order with rates applied
6. Programmed for supplying the balance quantity to the Stores.

The supplier shall invariably send to the purchasing officer a copy of the delivery challan whenever materials are dispatched.

**18. GUARANTEE/WARRANTY**

The successful tenderer shall guarantee among other things the following

a) Quantity and Quality of materials used.

b) Safe Electrical and Mechanical Stresses on all parts of the equipment under specified

conditions of Operation.

1. The Material shall be guaranteed for satisfactory operation 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.

If during the period of the guarantee any of the material, equipment or plant is found defective and fails in Test, Operation, such materials equipment or plant shall be repaired or replaced by the Tenderer free of cost to TGTRANSCO irrespective of the reimbursement from the Insurance Company within reasonable time which shall in no circumstances be more than 15 days or such other reasonable time as the TGTRANSCO may deem proper to afford, failing which the cost of failed units will be deducted from the subsequent bills.

**19. Jurisdiction:**

All and any disputes or differences arising out of or touching the order against

this specification shall be decided only by the Courts or Tribunals situated in Hyderabad / Secunderabad Cities. No suit or other legal Proceedings shall be instituted elsewhere.

Sd/-

SUPERINTENDING ENGINEER,

OMC CIRCLE ,MAHABUBNAGAR.

**SECTION II**

**(FINANCIAL)**

**1. Prices**

Price shall be quoted in Indian rupees only on firm basis and the quotations should be FADS price inclusive of ED and other legally permissible duties and levies wherever applicable, handling charges and insurance to cover the transport by road from destination railway station to the site/stores and storage at site/stores for at least 30 days thereafter but exclusive of Tax.

Even though composite firm price is quoted the break up for all duties, taxes, freight, insurance etc. shall be furnished.

It is the responsibility of the tenderer to inform himself of the correct rates of duties and taxes livable on the materials at the time of tendering

If the rates of statutory levies assumed by the tenderer are less than the correct rates prevailing at the time of the tendering TGTRANSCO will not be responsible for such errors. If the rates of statutory levies assumed by the tenderer are later proved to be higher than the actual /correct rates prevailing at the time of tendering the difference shall be passed on to the credit of TGTRANSCO. If the rates of statutory levels assumed by the tenderer increases due to increase in turnover the increase shall be borne by the tenderer.

In case the tenderer is exempted from paying taxes such tenderer shall invariably enclose a copy of the tax exemption certificate.

**2. Variable prices and price variation basis**

Note-: If the tenderer quotes with variable prices when firm prices are specified in the specification or vice versa their tender will be rejected and will not be considered for evaluation .

* 1. **Statutory variation:**

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

**4. Insurance:**

Insurance shall be the responsibility of the tenderer as FADS rates are called for. The Insurance should include the transport by road from destination railway station to the site/stores and storage for 30 days thereafter. Where a policy is taken it should contain a provision for extension to cover further storage and erection at TGTRANSCO cost and the insurance charges shall be indicated separately. TGTRANSCO shall have the option either to arrange for insurance or ask the tenderer to insure the goods.

1. **PERFORMANCE SECURITY/SECURITY DEPOSIT:**

**5.1**. The successful bidder / bidders will submit security for proper fulfillment of the contract and such security will be for an amount of 10% (ten percent) of the contract value.

This performance security will be furnished within 15 days of receipt of the notification of contract award and should cover a period of 2 Months beyond the PERFORMANCE GUARANTEE period completion of performance obligations including warranty obligations. Failure to comply with this stipulation will entail canceling of the contract besides forfeiture of the bid security and cancellation of the vendor’s registration. The performance security shall also be forfeited if the successful bidder fails to fulfill the terms of the contract.

Security deposit may be paid by crossed demand draft/online payment on any scheduled bank in the Headquarters in favour of SE/OMC Circle/Mahabubnagar payable at Mahabubnagar.

The TGTRANSCO will discharge the performance security after completion of the contract and within 2 months of the expiry of the PERFORMANCE GUARANTEE period.

**5.2** 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.

**5.3** 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.

1. **Terms of payment**
   1. 100% Payment to the Supplier may be arranged within 90 days of issue of Form -13 i.e. date of receipt of material / equipment in good condition at the destination / stores i.e. check measurement date in Form-13. No interest will be payable in case the payment is delayed for whatever reason.

6.2 The 100% payment mentioned above is subject to submission of performance security as per clause-5 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. Paying Officer is Superintending Engineer/OMC/Mahabubnagar.

* 1. Currency of payment :All payments will be made in Indian rupees.

1. **PERFORMANCE GUARANTEE:-**
   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.
   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.
   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-9.1 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).
   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.
   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.
   6. The Purchaser will promptly notify the supplier in writing of any claims arising under this warranty.
   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.
   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.

**8.** **PENALTY FOR LATE DELIVERY:**

**i)** The time for and the dates of delivery mentioned in the purchase orders shall be deemed to be the essence of the contract. In case of delay in delivery of materials at destination whatever may be the reason the TGTRANSCO may at its option demand and recover an amount equivalent to half percent of the value of material not delivered within the prescribed time limit for every week of delay or part thereof subject to a maximum of 5% of the total value of the contract. This right of TGTRANSCO shall be without prejudice to its rights under the law including the right to cancel the contract forfeit the deposit and recover damages for breach of contract.

**ii)**Date of receipt of material/equipment in good condition at the destination / stores date of check measurement in form-13 will be taken as the date of delivery.

**iii)**For penalty the number of days of delay would be rounded off to the nearest week and interest calculated accordingly. Materials/equipment which are not of acceptable quality or are not conforming to specification would be deemed to be not delivered.

1. **FORCE MAJEURE:**

The supplier will not be liable for delay or for failing to supply the material/equipment for reasons of ‘Force Majeure’ such has acts of God, acts of Public enemy acts of Government fires, floods strikes, lockouts etc., and strikes in works of manufacturers of proprietary items as specified by TGTRANSCO.

The supplier shall within 10 days from the beginning of such delay notify to the TGTRANSCO in writing the cause of delay. The TGTRANSCO shall verify the facts and grant such exercise of time as facts justify.

No price variation shall be allowed during the period of force majeure and penalty would not be levied for this period.

**10. Risk Purchase and Black Listing:**

In case of supplier who has not adhered to the delivery schedule, TGTRANSCO reserves the right to purchase the balance quantity from the open market floating another Tender and recover the extra expenditure thus incurred from the supplier TGTRANSCO reserves the right to Black List the supplier who has not adhered to the delivery schedule. This is in addition to the right of the TGTRANSCO mentioned in the Specification.

1. **Responsibility of the Tenderer for Loss/Damage :**
   1. The Tenderer 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.
   2. External damages or shortages that are prima facie the results of rough handling in transit or due to defective packing will be intimated within a fortnight of the receipt of the materials. Internal defects, damages or shortages of any integral parts which cannot ordinarily be detected on a superficial visual examination though due to bad handling in transit or defective packing will be intimated within 2 months from the date of receipt of the materials. In either case the defective or damaged materials should be replaced by the supplier to free of cost to the TGTRANSCO. If no steps are taken within 15 days of receipt of intimation of defects or such other reasonable time as the TGTRANSCO may deem proper to afford, the TGTRANSCO may without prejudice to its other rights and remedies cause to be repaired or rectified 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.
   3. For the purpose of any legal construction, the materials shall be deemed to pass into TGTRANSCO’s ownership only at the final destination where they are delivered and accepted.

Sd/-

SUPERINTENDING ENGINEER,

OMC CIRCLE ,MAHABUBNAGAR.

**Section – III ( Technical Specifications )**

**1.0 SCOPE:**

* 1. This Specification provides for design, engineering, manufacture, assembly, shop testing inspection and testing before dispatch, packing, forwarding and delivery at site CIP destination(in case of Indian Bidders) and CIF Indian Port at the discretion of the Purchaser(in case of Foreign Bdders) for Procurement of A.C. panel meters for integration of Battery charger input A.C Voltage parameters to the RTU in OMC Circle, Mahabubnagar.

**1.2** It is not the intent to specify completely herein all details of the design and construction of equipments. However, the equipment shall conform in all respects to high standards of engineering, design and workmanship and shall be capable of performing continuous commercial operation acceptable to the Purchaser, who will interpret in a manner the meanings of drawings and specifications and shall have the power to reject any material which in his judgment is not in accordance therewith. The equipment offered shall be complete with all components necessary for its effective and trouble -free operation. Such components shall be deemed to be within the scope of Bidder's supply, irrespective of whether these are specifically brought out in this specification and/or the commercial order or not.

**2.0 STANDARDS:**

All equipment provided under this specification shall in general conform to the latest revision/amendment etc. of the following:

-------------------------------------------------------------------------------------------------------------------------------

Sl.No. Standard Title

-------------------------------------------------------------------------------------------------------------------------------

1. IS 3231 Electrical relays for power

IEC 255 Part I to III system protection

BS 142

2. IS 1248 Indicating instruments

IS 2419

BS 89

3. IS-13010, IS 722(Part Ito IX) Energy meters

IEC 521,BS 3T

4. IS 4237 General requirement of switchgear and

Control gear for voltages not exceeding 1 kV

5. IS 375 Marking arrangement for switch gear,

busbars, main connection and auxiliary

wiring

6. IS 8686 Specification for static

IEC-255Part V&VI protective relays and tests.

IEC 801-4

7. IEC 337 Control switches (LV switching

IEC 337-1 devices for control and

IS 6875 auxiliary circuits

8. IS 2516 MCCB sand load break switches having a break capacity of 30 kVA rms

at 415 volts

9. IS 4047 Fuse switching units

10. IS 2208 HRC fuse links

11. IS 2705 Current Transformers

IEC-185

12. IS 3156 Potential Transformers

IEC-186

13. IS 8623 Factory built assemblies of switch gear and control gear for voltages up to and including 1000V AC and 1200V DC.

14. IEC 439 Low voltage switch gear and control gear assemblies

15. IS 4237 General requirement of switch- gear and control gear for voltages not exceeding 1000V

16. IS 2147 Degree of protection provided by enclosures for low voltage switch gear

and Control gear

17. IS 5082 Aluminum alloy bars

18. IS 1897 Copper strips for electrical purpose

19. IS 3618 Code of practice for phosphate

IS 6005 treatment of iron and steel

20. IS 4064 Air break switches, air break dis-connectors, air break disconnectors and fuse combination units for voltages not exceeding 1000V AC or 1200V DC

21. IS 9224 Part II HRC catridge fuses

22. IS 5578 Guide for marking of insulated

conductors.

23. IS 2032 Graphical symbols

Ref- abbreviations

Name and Address : IEC Institution Electro Technical Bureau. Central de la commission Electro Technique International.

1. Rue de verembe Geneva Switzerland.

ISO International Organisation for Standardisation. Danish board of

standardisation. Danish

standardising sruat

Aurehoeqvaj - 12

DK - 2900, Heel prup

DENMARK

IS Indian Standard Bureau of India. Standards Manak Bhavan,

9, Bahadur Shah Zafar Marg.

New Delhi - 110 002. INDIA

Equipment meeting with the requirements of other authoritative Standards, which ensure equal or better performance than the standards mentioned above, shall also be considered. When the equipment offered by the Bidder conforms to other standards, salient points of difference between standards adopted and the standards specified in this specification shall be clearly brought out in the relevant schedule. Four copies of such standards with authentic translation in English shall be furnished along with the offer.

**3.0 PRINCIPAL PARAMETERS:** The technical details of various equipments such as power transformers,

circuit breakers and instrument transformers that will be associated with the control and relay

panels in TGTRANSCO are to be known by the bidder.

**4.0 TECHNICAL SPECIFICATION:**

**1)**

|  |  |
| --- | --- |
| **Sl.No.** | **Description of the Material** |
| 1 | GPS Server |
| 2 | GPS Antenna |
| 3 | Coaxial Cable (RG 6) |
| 4 | Time Display unit |

Superintending Engineer,

OMC Circle, Mahabubnagar

**2)**

|  |  |  |
| --- | --- | --- |
| **GPS SERVER** | | |
| **Sl.No.** | **Description of the Parameter** | **Range/Value** |
| **1** | **Auxillary Supply** |  |
|  | a. Number of Power Supplies | 1 |
|  | b: Power Supply Range  (Universal Supply) | 90V DC to 300V DC 80 to 260V AC |
| **2** | **Physical** |  |
|  | a. Mounting | Rack Mounting 1U 19" |
|  | b. Ingress Protection | IP20 |
| **3** | **Temperature** |  |
|  | a. Operating temperature | 0 deg to 55 deg C |
|  | b. Storage Temperature | 0 Deg to 85 deg C |
| **4** | **GPS Receiver** |  |
|  | a. Timing Accuracy | <15ns with GNSS |
|  | b. Tracking | 22 parallel Channels |
|  | c. Frequency | L1/L5 band |
|  | d. Input connector | BNC |
|  | e. Acquisition time | <40 secs from cold start |
|  | f. Configuration | Web based /Telent |
|  | g. Display | Minimum 2 x 16 character backlit LCD |
|  | Display parameters | Latitude Longitude position |
|  |  | No. of satellites connected |
|  |  | Local/UTC time and date |
|  |  | Julian Days |
|  | h. LED's | Status of GPS Receiver, Power, GPS locked, NTP |
|  | i. Network Protocols | ICPv4, TCP, UDP, SNMP v1, v2, v3 |
|  |  | NTP v2,v3,v4 |
|  |  | PTPv2 - IEEE 1588 Grandmaster Clock,  IEEE 1588-2008, IEEE C37.238-2011, C37.238-2017, IEC 61850-9-3 |
| **5** | **Time Signal Output** |  |
|  | a. PPS | 1 pulse per second |
|  |  | 50/250 ohm Impedance |
|  |  | BNC connector |
|  | b. Ethernet LAN Interface | RJ45 2 ports (Suitable for configuring in independent Networks) |
|  |  | Protocols, NTP v3, SNTP (+/- 1msec accuracy) |
|  |  | Mode: Server |
|  | c. serial | RS485 |
|  |  | Configurable Serial Frames (NMEA / NGTS / T-format) |
| **6** | **Antenna** |  |
|  | a. Type | Active L1 GPS + GLONASS |
|  | b. Gain | 28db |
|  | c. Operating temperature | 0 Deg to 85 deg C |
|  | d. Ingress Protection | IP67 |
|  | e Antenna Cable Type | RG6/RG11 |
| **7** | **Type Tests** |  |
|  |  | ESD, EFT, Surge, Vibration, Dry Heat,  Shock, High frequency disturbance, Power frequency magnetic field as per IEC standards |

**3)**

|  |  |  |
| --- | --- | --- |
| **GPS CLOCK** | | |
| **1** | **Auxillary Supply** |  |
|  | Power Supply Range  (Universal Supply) | 90V DC to 300V DC 80 to 260V AC |
| **2** | **Input Signal source** |  |
|  |  | NTP/SNTP |
|  |  | RJ45 Interface |
|  |  | Cat 5 / Cat 6 cable |
| **3** | **Display** |  |
|  | Display Type | 7 Segment LED Display |
|  | Display Colour | RED |
|  | Pattern | HH:MM:SS |
|  | Character size | 100MM |
|  | Time format | 12 or 24 HRs |
|  |  |  |
| **4** | **Operating Temperature** | 0 to 55 deg C |
| **5** | **Mechanical** | Wall Mounting |
|  |  | IP55 |

**Required Make: SANDS/SERTEL/MASIBUS.**

**Sd/-**

**Superintending Engineer,**

**OMC Circle Mahabubnagar.**

FORM – III-A

(TO BE FILLED BY THE TENDERER)

* 1. Enquiry No.
  2. Specification No.
  3. Name of the Material
  4. Vendor Registration No. For this item
  5. Quantity on Enquiry
  6. Last date and time for submission of tender
  7. Date and time for opening of tender
  8. Whether BID SECURITY is enclosed or PBID SECURITY available
  9. Whether the specified minimum quantity is quoted.
  10. Whether prepared to furnish performance Bank Guarantee @ 10% if order is placed.
  11. Cost of specification whether remitted.
  12. Whether a Local SSI Unit/ Local Unit.
  13. Whether month-wise delivery schedule is indicated
  14. Prices whether Variable.
  15. Whether Goods & Service Tax included / excluded
  16. Whether TGTRANSCO’s terms of payment are accepted
  17. Quantity offered for supply.
  18. Whether 90 days validity offered.
  19. Whether sample is enclosed.
  20. Whether the material / equipment offered conforms to the relevant TGTRANSCO’s/ISS specifications and drawings.
  21. Whether executed orders of the Board previously for the items tendered now. Please five full details.
  22. Similar details in respect of supplies made to other SEBs
  23. Whether BID SECURITY exemption letter enclosed, if exempted.
  24. Whether Good & Service Tax clearance Certificate enclosed.
  25. Whether Income Tax clearance certificate enclosed.
  26. Whether the product bears ISI mark.

Signature of the Tenderer

FORM III C

PAST PERFORMANCE DETAILS

(For a Period of last five years, year wise prior to date of tender opening, Item wise with subtotals year wise)

Material :- Year :-

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Order placed by (Name and full address of purchaser) | Order No.& Date | Description and quantity | Value of Order | Date of Completion of Order | | Whether the performance certificate from Purchaser attached (Yes / No) |
| As per Order | Actual |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
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Note : It is responsibility of the Tenderer to prove the qualifying requirements by furnishing copies of P.Os and by enclosing the performance certificates issued by the purchasers, with actual utilization particulars of the material / equipment. Offers without these details are liable for rejection.

Signature of Tenderer

With Seal and Date

FORM – III D

DETAILS TO BE FURNISHED IN CASE OF A MANUFACTURER

1. Name and address of firm. :
2. Location of manufacturing

works/ factory / factories owned. :

1. Details of additional plant and

machinery erected.

1. Details of stores or class of stores

which the factory, as equipped is :

capable of production (Specifying

each item separately)

1. Production capacity of each item,

with the existing plant and machinery :

1. Details of arrangements for quality

control of products such as laboratory etc. :

1. Whether there is scope for expansion

and to what extent? :

1. Whether samples were tested to any

standard specification, if so, copies of :

original test certificates should be

submitted in triplicate.

SIGNATURE AND DESIGNATION

PLACE :

DATE :

Signature of the Tenderer

SECTION – IV

SCHEDULE ‘A’

DEPARTURE FROM SPECIFICATION

…………………………………………………………………………………………………

Sl.No. Reference to clause No. Departures

of this specification.

…………………………………………………………………………………………………

…………………………………………………………………………………………………

SCHEDULE ‘B’

MANUFACTURER’S AND PLACES OF MANUFACTURE

TESTING & INSPECTION

………………………………………………………………………………………………….

Sl.No. Description Manufacturer Place of Place of testing Manufacture and inspection

………………………………………………………………………………………………….

………………………………………………………………………………………………….

SCHEDULE ‘C’

LIST OF SUPPLIES MADE SO FAR WITH FULL DETAILS OF GOODS SUPPLIED

AND TO WHOM SUPPLIED.

………………………………………………………………………………………………….

………………………………………………………………………………………………….

SCHEDULE ‘D’

WEIGHT AND DIMENTIONS OF PACKAGES OF DESPATCH

…………………………………………………………………………………………………..

S.No. Equipment Contents of Weight Dimensions

Individuals packages Kg.

…………………………………………………………………………………………………..

…………………………………………………………………………………………………..

Signature of the Tenderer

SCHEDULE ‘E’

DESCRIPTIVE LITERATURE AND FULL PARTICULARS OF THE EQUIPMENT OFFERED

………………………………………………………………………………………………….

Sl.No. Item No. Description

………………………………………………………………………………………….............

……………………………………………………………………………………………………

SCHEDULE –F

SCHEDULE OF TESTS PERFORMED

…………………………………………………………………………………………………………….

Sl.No. Description Description Place of Test Test Results Whether standard

Of material of tests tests certificate

performed enclosed or not.

……….………………………………………………………………………………………….............

All tests in accordance with the issue of ISS shall be performed on all the equipment. Detailed lists of all the tests performed shall be indicated in this Schedule.

Signature of the Tenderer

# TENDER FORM

## TRANSMISSION CORPORATION OF TELANGANA LIMITED

SPECIFICATION NO.. . . . . . . . . . . . . . . . . . . . . . . (To be filled in by the Tenderer)

MATERIAL . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . (To be filled in by the Tenderer)

To

The SUPERINTENDING ENGINEER,

OMC CIRCLE, TGTRANSCO,

MAHABUBNAGAR.

Dear Sir,

1. Having examined the above specifications together with the accompanying general

conditions therein referred to we hereby offer to provide and execute the order described in the said specification according to the specifications, general conditions at the rates entered in the attached schedule of prices.

1. We hereby undertake to have the material delivered within the time specified in the

Form III-B.

1. We hereby guarantee the particulars entered in the schedules attached to the specification.
2. We hereby agree for all the Terms & Conditions mentioned in section I & II.

Date:

Signature of the Tenderer

# ANNEXURE-III

 Undertaking to be given by the Company/Partnership Firm/Contractor along with the Tender.

I\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ representing the Company/Partnership Firm/Contractor responding to the bid invitation by the TGTRANSCO vide Specification No. MPT-13/25-26 of SE/OMC/Mahabubnagar hereby sincerely and solemnly affirm and state as follows:

 (Strike out which is not applicable)

 (a)     that myself or any of the representative of my Company/Firm do not have any relatives

as defined in appended Annexure-IV in the TGTRANSCO/DISCOMS/ .

OR

(b)     that the following officers/employees of the TGTRANSCO/DISCOM are related to me or to

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/ DISCOMS/TGGENCO | Relationship |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |

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 a later date, the TGTRANSCO/ DISCOMS/TGGENCO is entitled to terminate the contract/ agreement entered into besides recovering damages as may be found necessary, with due notice.

Signature of the authorized representative/Tenderer

Signature of the Tenderer

ANNEXURE – IV

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 } (and their

} siblings).

1. Son’s Son’s Wife 24. Son’s Wife’s Mother }
2. Son’s Daughter 25. Daughter’s Husband’s }

Father } (and their)

1. Son’s Daughter’s Husband 26. Daughter’s Husband’s } siblings). Mother.

Signature of the Tenderer

**ANNEXURE- (A)**

**BIDDERS/FIRMS ELIGIBLE TO BID-:**

1. The bidder should be a manufacturer.

Or

1. The bidder in his name should have supplied the similar type of products else where in TGTRANSCO/TGGENCO/DISCOMS/GOVERNMENT Departments ( Central/State)/PGCIL

Or

1. The bidder should be a dealer of such products.

**ANNEXURE (B)**

**Bidders / Firms ineligible to Bid:**

(i) A retired officer of the Govt. of India or TGTRANSCO is disqualified from tendering for a period of two years from the date of retirement without the prior permission of the Parent Department. The contractor shall intimate the list of his employees who were retired from Government/TGTRANSCO along with the permission possessed from parent department.

(ii) The Bidder who has employed any retired officer as mentioned above shall be considered as an ineligible Bidder.

(iii) 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.

(iv) 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.

v) Contractor shall not be eligible to Bid for works 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 TS Transco 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.

vi) The bidder should not have been black listed by TGTRANSCO/TGGENCO/DISCOMS/ any Government Departments.

**Note: Near relatives include**

1. Sons, step sons, daughters, and step-daughters.
2. Son-in-law and daughter-in-law.
3. Brother-in-law and sister-in-law.
4. Brothers and Sisters.
5. Father and Mother.
6. Wife / Husband.
7. Father-in-law and Mother-in-law
8. Nephews, nieces, uncles and aunts
9. Cousins and any person residing with or dependent on the contractor.