

TAMILNADU TRANSMISSION CORPORATION LTD

From
Superintending Engineer,
Operation/South/Chennai,
Tharamani 400kV GIS SS Campus,
Chennai-600 113.

To
Website.

Lr.No.SE/O/S/CNI/AEE/E/AE/MM/ F.Enq.No.15/25-26/2025, dt. 15.11.2025

Sir,

Sub:-TANTRANSCO – Operation South Division - Supply of 2 Nos Special Energy Meters (SEM), ABT meter–Tender specification– Regarding.

Please quote your lowest price for Supply of 2 Nos Special Energy Meters (SEM), ABT meter against LT.No.15/25-26 by single part two cover system as per Tender specification.

Sl.No.	Description of the Material	Quantity	Place of Delivery
1.	Supply of new Special Energy meter, 1A, 110V, ABT meter, class 0.2 S, -/110/√3V, -/1A, 3 phase, 4 wire CT/PT Operated, AMR Compatible with DLMS & RS 232, Optical port on Modbus on Ethernet RS485 Port or DLMS & Modbus Ethernet port with 05/15/30 min Integration period (compatible for PGCIL format) with Latest Software compatible to download data. Supports DLMS & PGCIL meter formats (Communication medium through AMR, Modbus, TCP IP) and NABL testing at 400 KV Ottiyambakkam SS.	2 Nos.	400KV Ottiyambakkam SS,Chennai-130

i) Tender specification is available in TANTRANSCO website.
<https://tneb.tnebnnet.org/transcotender/>

ii) The due date for submission of offer on or before 01.12.2025 **at 14.00 hrs.**

The tender cover should be given in person (or) by post to the office of **SE/Operation/ South /TANTRANSCO, 400kV Tharamani GIS SS Campus, Chennai-113** within due date and time. If the tender cover received after the due date and time it will not be accepted.

The due date for opening of tender is 01.12.2025 **at 15.00 hrs.**

The outer cover should contain the following:

i) Demand Draft for EMD amount/Proof of Permanent EMD Holder / Irrevocable bank guarantee from a nationalized bank for EMD amount along with relevant undertaking in non-judicial stamp paper of Rs.500/- /Undertaking in lieu of EMD along with necessary proof and documents for exemption of EMD in non-judicial stamp paper of Rs.500/-

ii) Check list (Annexure-II)

If the tenderer is eligible for exemption from payment of EMD, as detailed in 'EMD' clause, of tender specification, they should furnish the following in the outer cover.

- a) Proof of Permanent EMD Holder (or)
- b) Proof for exemption of EMD (Udyam registration certificate along with supportive documents for proof of investment in plant and machinery) with Undertaking in Rs.500/- (Rupees Five Hundred only) stamp paper in TANTRANSCO's standard format. (or)
- c) Irrevocable bank guarantee from a nationalized bank for EMD amount along with relevant undertaking in non-judicial stamp paper of Rs.500/-. The undertaking format is enclosed as Annexure- 'IX' in the tender specification.

Note that the undertaking in any other format other than the prescribed one, will not be accepted and the offer is liable for rejection.

The details about the EMD amount to be paid and other details are explained in the detailed tender specification. If EMD (or) proof for EMD exemption with EMD undertaking is not available, then the tender will be summarily rejected.

Inner Cover:

The inner cover should contain the "schedule of price" mentioned in the tender specification as Annexure -I

- i) "The Enq.No., due date, name of tenderer, name of work should be furnished on the top of the cover. Please note that the tender cover will not be opened if the details are not furnished on the cover, as mentioned above.
- ii) DD for E.M.D Amount to be paid/Proof of Permanent EMD Holder (or) proof for exemption of EMD and undertaking in stamp paper should be furnished as specified in the specification. Please note that the offer without EMD / Proof for exemption of EMD & undertaking will not be considered.
- iii) TANTRANSCO cannot be held responsible for loss / delay of tender sets sent by post.
- iv) The undersigned reserves the right to accept or reject any or all tenders without assigning any reason thereof.
- v) The existing PEMD holder for Rs.20 Lakhs- are eligible to participate in the tender only for the value of tenders not exceeding Rs.10 Crores.

S/d**15.11.2025
SE/OPERATION/SOUTH/CHENNAI.

TENDER SPECIFICATION FOR THE SUPPLY OF 2 NOS SPECIAL ENERGY METERS (SEM), ABT METER

- | | |
|------------------------------------|---|
| 1. Enq.No. | : LT. No.15/2025-26 |
| 2. Type of Tender | : Single part 2 cover system |
| 3. Due date of submission of offer | : on or before 01.12.2025 at 14.00 Hrs. |
| 4. Date of Tender opening | : 01.12.2025 @ 15.00 Hrs. |
| 5. EMD cost | : Rs. 1,700/- (The tenderer who are exempted from payment of EMD should furnish an undertaking on a non Judicial stamp paper for value of Rs.500/-) |

Sl.No.	Description of the Material	Quantity	Place of Delivery
1.	Supply of new Special Energy meter 1A, 110V, ABT meter, class 0.2 S, -/110/√3V, -/1A, 3 phase, 4 wire CT/PT Operated, AMR Compatible with DLMS & RS 232, Optical port on Modbus on Ethernet RS485 Port or DLMS & Modbus Ethernet port with 05/15/30 min Integration period (compatible for PGCIL format) with Latest Software compatible to download data. Supports DLMS & PGCIL meter formats (Communication medium through AMR, Modbus, TCP IP) and NABL testing at 400 KV Ottiyambakkam SS.	2 Nos.	400KV Ottiyambakkam SS, Chennai-130

DESCRIPTION

- | | |
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ANNEXURES

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| 2. Annexure - II | : Check list |
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| 9. Annexure – IX | : Irrevocable bank guarantee for furnishing end |

SECTION I
GENERAL TERMS & CONDITIONS

I. General

1. The validity should be 120 days from the date of opening the tender.
2. The rates quoted should be both in figure as well as words.
3. The material to be supplied is as per the technical specification, ISI quality and suitable for TANTRANSCO requirement.
4. The TANTRANSCO will not be responsible for any loss of tender specification or delay in receipt during transit, if sent by post.
5. The undersigned reserves right
 - a. To split / accept / reject / cancel the tender without assigning any reason.
 - b. To alter the quantity according to the requirement at the time of placing order.
 - c. To accept the rates advantage to the TANTRANSCO, if the rates quoted differs in figure and words.
 - d. To cancel the order if the material supplied is not as per TANTRANSCO requirements.

2. TENDER OPENING

- a. The tender offers will be opened at 15.00 Hrs on the due date at the Office of the **Superintending Engineer/Operation/South/Chennai at 400KV Tharamani GIS SS Campus** in the presence of tenderer's authorized representatives who may wish to be present on the date of opening.
- b. If the last date for submission of tender offers and tender opening date happens to be a holiday, the tenders will be received and opened on the succeeding working day.

Note: 1. Quotation with any deviation from Technical, Commercial Term will be summarily rejected.

SECTION II EARNEST MONEY DEPOSIT

1. Tenderer should pay the specified amount towards Earnest Money Deposit as follows: -

Earnest Money Deposit: Rs. 1,700/- (Rupees One thousand and Seven Hundred only)

The Earnest Money Deposit specified above shall be in the form of DEMAND DRAFT / BANKER'S CHEQUE for the above amount, from any of the Nationalized / Scheduled / Foreign Banks with branches in India payable at Chennai in favour of the **Superintending Engineer/CEDC/SOUTH II/ K.K. Nagar/ Chennai-78**, payable at Chennai. **or submit Irrevocable bank guarantee from nationalized bank or Undertaking in lieu of EMD** if eligible for EMD exemption. In case of Irrevocable bank guarantee from nationalized bank, it should be a single bank guarantee valid for a period of one year as per the format enclosed.

- a. **Original EMD instrument is to be submitted at the place of Bid Opening on or before bid submission end date and time**
 - b. Any other mode of payment of EMD other than Demand Draft shall not be accepted towards EMD and the tenders shall be rejected if EMD is not paid in the prescribed manner.
2. The Tenderers who are having valid Permanent EMD with TANTRANSCO/TNEB for an amount as mentioned below are exempted from payment of Earnest Money Deposit and are eligible to participate in the tender.

PEMD	:	For Tenders of value
Rs.20,00,000/-	:	Up to Rs.10,00,00,000/-
Rs.40,00,000/-	:	Up to Rs.50,00,00,000/-
Rs.1,00,00,000/-	:	All tenders exceeding Rs.50,00,00,000/-

The existing PEMD holder for Rs.20,00,000/- are eligible to participate in the tender only for the value of tenders not exceeding Rs.10 Crores. The existing PEMD holder for Rs.10,00,000/- are not eligible for participating in the tender unless they pay the differential amount for the new PEMD slab.

If the Tenderer desires to become a Permanent E.M.D. holder, he is advised to deposit the required amount with the TANTRANSCO as Permanent E.M.D. well in advance, obtain a certificate from the Financial Controller/TANTRANSCO and upload copy of the same along with the tender.

3. The EMD will not carry any interest.

4. The Earnest Money Deposit will be refunded to the unsuccessful tenderers on application to the Superintending Engineer / Operation / Chennai South, 400 kV Tharamani SS complex, Tharamani, Chennai-600113 after intimation of the rejection / non-acceptance of their tender is sent to them.

5.0 EXEMPTION FOR PAYMENT OF EARNEST MONEY DEPOSIT (EMD):

5.1 The following categories of Industries are exempted from payment of EMD:

- i) SSI Units located inside the state of Tamil Nadu registered under Udyam portal for the tendered item (clearly mentioning the 5 digit NIC code)
- ii) Departments of the Government of Tamil Nadu.
- iii) Undertakings and Corporations owned by the Government of Tamil Nadu.
- iv) Labour Contract Co-operative Societies of Tamil Nadu
- v) The Tenderers who are having valid Permanent EMD with TANGEDCO.

5.2 Micro/SSI units located **within the state of Tamil Nadu** are exempted from payment of EMD, only against production of **UDYAM** registration and shall furnish the Udyam Registration Certificate as proof of eligibility for exemption from payment of EMD.

5.3 **The SSI Units located outside the state of Tamil Nadu are not eligible for exemption from payment of EMD** even though registered in Udyam portal for tendered items.

5.4 Micro / SSI units having provisional registration certificate are not eligible for exemption.

5.5 Those tenderers who are exempted from payment of EMD either against PEMD or SSI units located within state of Tamil Nadu shall furnish an undertaking in lieu of EMD and shall furnish the undertaking in lieu of EMD in the form as per Annexure IV to the effect to pay as penalty an amount equivalent to EMD in the event of non-fulfilment or non-observance of any of the conditions stipulated in the contract consequent of such breach of contract.

The State Government, Public Sector Undertakings who are exempted from payment of EMD shall also pay as penalty an amount equivalent to the amount fixed as EMD in the event of non-fulfilment or non-observance of any of the conditions stipulated in the contract

TENDERS RECEIVED WITHOUT THIS UNDERTAKING WILL BE SUMMARILY REJECTED.

- a) Tender will be rejected if the undertaking is not signed /authenticated in all pages of undertaking.
- b) Signature of witnesses should be affixed at the end of undertaking along with details of name and address.

5.6. The Tenderer is deemed to accept to pay the amount equivalent to EMD immediately when a demand is raised by Board against the Tenderer without any demur in the event of the following.

- 1. If he withdraws his tender or backs out after acceptance of the tender or fails to remit the Security Deposit.
- 2. If he revises any of the terms quoted during the validity period.
- 3. If he violates any of the conditions of the tender specification.

6.0. Government of India, Ministry of MSME Notification:

6.1. Government of India, Ministry of MSME, vide notification No.S.O.2119(E) dated 26.06.2020 has notified certain composite criteria for classifying the enterprises as Micro, Small and Medium Enterprises and insisted Udyam registration in Udyam Registration Portal to obtain an e certificate Viz. Udyam Registration certificate calculation of turnover, calculation of investment, Registration of existing Enterprises and Updation and transition period in classification. The above notification may be adhered to by the tenderers and TANGEDCO will adopt the guidelines issued therein in evaluation of bids submitted by the tenderers.

6.2. Composite Criteria:

A composite criteria of investment in Plant and Machinery or equipments and turnover has been specified to classify an enterprises as Micro, Small and Medium. The composite criteria stipulated in the said notification are to be complied by the micro and small industries for claiming EMD exemption and purchase preference.

6.3. **Classification of Enterprises:** An enterprise shall be classified as a micro, small or medium enterprises on the basis of the following criteria, namely: --

- (i) a micro enterprise, where the investment in plant and machinery or equipment does not exceed one crore rupees and turnover does not exceed five crore rupees;
- (ii) a small enterprise, where the investment in plant and machinery or equipment does not exceed ten crore rupees and turnover does not exceed fifty crore rupees; and
- (iii) a medium enterprise, where the investment in plant and machinery or equipment does not exceed fifty crore rupees and turnover does not exceed two hundred and fifty crore rupees.

Calculation of Turnover: In calculation of turnover of an enterprise, Exports of goods or services or both, shall be excluded while calculating the turnover of any enterprise whether micro, small or medium, for the purposes of classification. However, it is suggested to insist a certificate from Chartered Accountant, along with the bid from the bidders whose turnover includes export proceeds, for ascertaining the turnover achieved on export of goods or services or both and included in the total turnover.

Calculation of Investment: The Plant and Machinery shall have the same meaning as assigned to the plant and machinery in the Income Tax Rules, 1962 framed under the Income Tax Act, 1961 and shall include all tangible assets (other than land and building, furniture and fittings). The cost of certain items specified in the Explanation I to sub-section (1) of section 7 of the Act shall be excluded from the calculation of the amount of investment in plant and machinery. The investment value in Plant and Machinery for the purpose has to be certified by a Chartered accountant and the same is to be uploaded in the bid in case the bidder claims EMD exemption.

Registration of existing enterprises:

- i. All existing enterprises registered under EM-Part-II or UAM shall register again on the Udyam Registration portal on or after the 1st day of July, 2020.
- ii. All enterprises registered till 30th June, 2020, shall be re-classified in accordance with the said notification.

- iii. The existing enterprises registered prior to 30th June, 2020, shall continue to be valid only for a period up to the 31st day of March, 2021.
- iv. An enterprise registered with any other organisation under the Ministry of Micro, Small and Medium Enterprises shall register itself under Udyam Registration.

Updation and transition period in classification:

An enterprise having Udyam Registration Number shall update its information online in the Udyam Registration portal, including the details of the ITR and the GST Return for the previous financial year and such other additional information as may be required, on self-declaration basis. In case of an upward change in terms of investment in plant and machinery or equipment or turnover or both, and consequent re-classification, an enterprise will maintain its prevailing status till expiry of one year from the close of the year of registration. In case of reverse-graduation of an enterprise, whether as a result of re-classification or due to actual changes in investment in plant and machinery or equipment or turnover or both, and whether the enterprise is registered under the Act or not, the enterprise will continue in its present category till the closure of the financial year and it will be given the benefit of the changed status only with effect from 1st April of the financial year following the year in which such change took place.

The above notification may be adhered to by the tenderers and TANTRANSCO will adopt the guidelines issued therein in evaluation of bids submitted by the tenderers.

- 7.0.** Others viz. Central and other State Government Departments / Undertakings and Corporations other than those in Tamil Nadu shall have to pay Earnest Money Deposit.
- 8.0.** The MSME units of Micro and Small category within Tamil Nadu shall upload Photocopy of UDYAM Registration certificate for the tendered item, as a proof of eligibility for exemption from payment of EMD.
- 9.0.** The firm registered in Udyam Portal under Medium Scale is not eligible for exemption of EMD.
- 10.0.** The tenderers shall upload the audited, attested copy of Profit and Loss account/ Balance Sheet and Investment value in Plant and Machinery certified by a Chartered accountant along with the proof for exemption from payment of EMD. If the above documents are not furnished along with the proof of exemption of EMD and Undertaking, the tenders will not be evaluated.

11.0 Conditions for Liable for rejection of bids:

TENDERS RECEIVED WITHOUT THIS UNDERTAKING WILL BE DISQUALIFIED.

- a. Tender will be rejected if the undertaking is not signed/ authenticated in all pages of undertaking.
- b. Signature of 2 Nos. witnesses should be affixed at the end of undertaking along with details of name and address.
- c. The tenderers shall furnish the audited attested copy of Profit and Loss account/ Balance Sheet along with the proof for exemption from payment of EMD in order to ensure the SSI status of the firm based on the investment held in Plant and Machinery for extending exemption from paying EMD.
- d. Others viz. Central and other State Government Departments/Undertakings and Corporations other than those in Tamil Nadu shall have to pay Earnest Money Deposit.

12.0 CHEQUE will not be accepted towards EMD and the tenders shall be rejected if EMD is not paid in the prescribed manner.

13.0 The Earnest Money Deposit made by the Tenderer will be forfeited.

(i) With applicable GST if: -

- a. He withdraws his tender or backs out after acceptance.
- b. He withdraws his tender before the expiry of validity period stipulated in the specification or fails to remit the Security deposit cum Performance.
- c. The tenderer violates any of the provisions of these regulations contained herein
- d. The tenderer revises any of the terms quoted during the validity period.
- e. The tenderer produces bogus documents or if the documents contain false particulars.
- f. In the event of the document furnished with the offer being found to be bogus or the documents contain false particulars; the EMD paid by the tenderer will be forfeited in addition to blacklisting them for future tenders/contracts in TANTRANSCO/TANGEDCO.
- g. In the event of Failure to comply the conditions for remit of security deposit within the prescribed period of 30 days EMD will be forfeited and the order will be cancelled. The order will be issued to L2 tenderer.
- h. The EMD received from the unsuccessful tenders will be refunded on finalization of tender and within reasonable time.

Apart from the above, TANTRANSCO has the right to adopt any changes, based on the TANTRANSCO's Accounts Branch instructions, with regard to extending exemption from paying EMD.

SECTION III

BID QUALIFICATION REQUIREMENT (BQR)

1. The bidder should be a Manufacturer / Authorized Dealer of tendered material. Only manufacturers of meters possessing the **product offered having Certification for 'ISI marking'** must quote. The 'ISI' Certification should be valid on the date of tender opening. Tenderer should furnish the documentary evidence for the manufacturing of tendered material valid on the date of tender opening such as BIS license, ISO certificate, Factory License, UAM certificate etc. other than MOA, has to be furnished to establish as manufacturer of the tendered material.
2. The bidders must have supplied the minimum quantity of 1 No SEM Meter or higher rated meters satisfactorily to State Electricity Boards / Public Power utilities/ Private Power Utilities during the last 10 years and a minimum quantity of 1 No SEM Meter or higher rated meter shall be in satisfactory operation for a continuous period of 2 years as on the date of Tender opening.
The Bidder shall furnish documentary evidence in support of the qualifying requirement stipulated as above. Copy of Purchase Orders executed by the Bidder to the state Electricity Boards / Public Power utilities /Private Power Utilities shall be furnished along with end user certificate for the corresponding Purchase Orders enclosed for satisfactory execution of the contract.
3. The annual turnover of the bidder shall be furnished for the last 3 financial years (i.e., 2022-2023, 2023-2024 & 2024-2025). The turnover for atleast any one of the last 3 financial years shall be more than **Rs. 0.75 Lakhs**. The bidder shall furnish either the Annual Turn Over Certificate for 3 years certified by Chartered Accountant or Annual statement of Accounts (i.e) Profit & Loss Accounts and Balance Sheet for the above 3 years certified by Chartered Accountant in support of Annual Turn Over or attested copy of Income Tax return filed or attested copy of enlistment certificate issued by NSIC containing Turnover details.
4. Copy of Type Test Certificates of the SEM meter as per specification **confirming to** relevant **IS: 14697-1999** / relevant IEC Standard, CBIP Technical Report No.325 (Published during 2015) with upto date amendments and **IS 15959-2011** with latest amendments obtained from any one of the NABL accredited standard laboratories (such as ERDA / CPRI) and conducted within **5 years** and valid on the date of tender opening shall be furnished along with the tender.

NOTE: The offer of the bidders who have stated to be previous suppliers to TNEB/TNPDCL (Erstwhile TANGEDCO)/TANTRANSCO will be considered for further evaluation, even though they have not enclosed copies of purchase orders or End user certificate etc., after ensuring with the purchase orders placing authorities. However, the tenderer has to furnish the Purchase Order No. and Date of Issue along with the details of Purchase Order issuing authority.

The bidder shall furnish documentary evidence for the Bid Qualification Requirements along with the Tender, failing which their offer will be summarily rejected.

The offers of Bidders not satisfying the above "Bid Qualification Requirements" will be summarily rejected.

SECTION IV
REJECTION OF TENDERS:

I. Tenders will be **SUMMARILY** rejected if

- A. The EMD requirements are not complied with.
- B. Not satisfying any of Bid Qualification Requirements.
- C. If the documents furnished with the offer is found to be bogus or the documents Contains any false particulars.
- D. The Tenderers should quote for tendered quantity. The offer of bidders who have quoted for lesser quantity than the minimum quantity prescribed shall be summarily rejected.
- E. Received from any joint venture of firms/ companies/ individual or Consortium of firms/ companies / individual.
- F. Received from consortium of SSI units.

II. Tender is **LIABLE** to be rejected, if it is:

- a) Not covering the entire scope of work.
- b) If the declaration(s) as specified in Schedule/Annexures is not signed and enclosed.
- c) With validity period less than that stipulated in this specification.
- d) Not in conformity with TANTRANSCO's Commercial terms and Technical Specifications.
- e) Received from a tenderer who is directly or indirectly connected with Government service Board Service or services of local authority.
- f) From any black listed Firm or Contractor.
- g) Received by Telex / Telegram / E-Mail/ Fax.
- h) From a tenderer whose past performance / Vendor rating is not satisfactory
- i) Not containing all required particulars as per Tender specifications.
- j) Not furnished **GSTIN** of the tenderer in the offer
- k) not signed properly by the tenderer.

SECTION V

COMMERCIAL

1. Supply of 2 Nos Special Energy Meters (SEM), 1A, 110V, ABT meter, class 0.2 S, -/110/√3V, -/1A, 3 phase, 4 wire CT/PT Operated at 400 KV Ottiyambakkam Substation.

2.PLACING OF ORDERS:

- 2.1. It is not binding on the TANTRANSCO Ltd to accept the lowest or any tender. The TANTRANSCO Ltd reserves the right to split and place orders for the items with different tenderers and for revising the quantities at the time of placing the orders. TANTRANSCO reserves the right to vary the quantity finally ordered to the extent of 25% either way of the requirement indicated in the tender documents.
- 2.2 The order will be issued to the successful tenderer with all TANTRANSCO's terms and conditions, duly indicating the approved unit rates and the quantity allotted to them. The approved rates will be FIRM.
- 2.3. The period of contract is six months from the date of receipt of award of Purchase order.

3. PRICE

- 3.1. The Tenderer's shall quote the Ex-works price, Packing & Forwarding charges and Freight & Insurance charges with applicable rate of GST separately for Delivery to Stores/site anywhere in Chennai. A format for price schedule is given in Annexure I.
- 3.2. The tenderer should quote their rates taking into account the (Input Tax Credit (ITC) relief available to them on account of GST already paid. A certificate to this effect may be furnished along with the tender.
- 3.3. The tenderers are requested to quote their prices both in figures and words. The quantities and prices shall be written legibly and free from erasures, over writings, or conversion of figures, wherever unavoidable shall be made by crossing out, initialling, dating and rewriting.

4. DELIVERY

The scope of the delivery shall cover the following:

- 4.1 Supply of 2 Nos Special Energy Meters (SEM), ABT meter and delivering the consignment within 60 days from the date of receipt of Purchase Order. The order is up to delivering at Stores/site including un-loading.
- 4.2 If the guaranteed delivery period is not kept up, the liquidated damages will be enforced. TANTRANSCO also reserves the right to cancel the order if the delivery schedule is not kept up, without any further notice to the supplier. To ensure sustained supply without any interruption, TANTRANSCO reserves the right to place orders among more than one tenderer.

4.3 The TANTRANSCO will be at liberty to cancel the contract if the supply is not made as per the delivery schedule specified in the indent, notwithstanding its right to claim liquidated damages for the belated supplies and the quantity outstanding to be supplied as on the date of cancellation. The defaulting contractors will be liable to pay to the TANTRANSCO in addition to the liquidated damages for delay, the actual difference in price whenever the TANTRANSCO orders the delayed quantity to be supplied / executed by other agencies at higher rate.

- a) It is the responsibility of the supplier to give advance information on inspection, dispatch of materials and other obligations under the terms and conditions of this specification in order to deliver the unit within the contractual delivery period.
- b) The delivery period will not normally be extended. Hence, all efforts shall be taken to deliver the materials within the contractual delivery period.
- c) The above delivery shall be guaranteed by you under liquidated damages clause governed by this specification. The date of actual receipt of materials will be reckoned as the date of delivery for the liquidated damage purpose.
- d) The date of receipt of last component of the main equipment will be reckoned as the date of delivery for the purpose of calculation of liquidated damages for delay in delivery, when the main equipment and accessories are received in piece-meal.
- e) If any other delivery period is indicated the tender is liable for rejection.

5. PAYMENT

5.1. Payments will not be made for equipments/materials damaged during transit. All defective materials shall be replaced by the supplier free of charge.

(a) Within Delivery period:

100% of the all-inclusive price of the equipments/ materials will be paid within a reasonable time after receipt of materials in good condition at site and submission of bills with required documents after deducting recoveries if any.

(b) Beyond Delivery Period

100% of the all-inclusive price of the equipments/ materials after deducting the appropriate amount of L.D. of each consignment will be paid within a reasonable time after receipt of materials in good condition at site and submission of bills with required documents after deducting recoveries if any.

Payments for the suppliers will be made by online transfer on any one of the Nationalized Banks / Scheduled Banks approved by Reserve Bank of India, in Tamil Nadu. The Bank charges involved in making the payment will be to the account of the tenderer. The Tenderer has to furnish the following details of the Bank Account to which the payment be credited.

- 1. Name of the Account Holder
- 2. Name of the Bank
- 3. Branch
- 4. Account No.
- 5. IFSC code of the Branch

5.2. For the delayed payments, if any, TANTRANSCO will not pay any interest on any account.

5.3 In case of delay in supply, the materials will be accepted subject to the following conditions.

- (a) There should be no declining trend in prices.
- (b) Payment will be released as per the recent Purchase order rates or lowest rates obtained during the recent tenders opened subject to levy of liquidated damage for belated supplies.
- (c) TANTRANSCO reserves the right to accept or reject the delayed supplies without assigning any reason thereof and take action as per the other terms and conditions of this specification.

5.4. The bills for payment will be passed only after the approval/acceptance of the following:

- a) Security Deposit Cum Performance Guarantee for 5% value of the Purchase Order.
- b) Guarantee certificate.
- (c) Supply of Instruction manuals, etc., as per the technical specification.
- (d) Undertaking towards Jurisdiction for Legal Proceedings.
- (e) Undertaking for ITC benefit.

5.5. The supplier should dispatch only after getting dispatch instruction. If the supplier dispatches the materials without the prior approval of the purchaser, then the purchaser shall not be responsible for any demurrage or wharf age or both and only the supplier should bear any expenditure arising out of such unapproved dispatches.

6. FREIGHT AND INSURANCE:

The accepted prices are inclusive of Freight and transit Insurance.

6.1. It is the responsibility of the supplier to deliver the equipment safely and in time. The Consignment on receipt at destination Stores/Site shall be unloaded by the supplier at free of cost.

6.2. The equipments have to be dispatched freight paid and duly insured at suppliers' risk and cost from Warehouse to Warehouse. The supplier shall arrange for all the materials being supplied by them through any of the Nationalized Insurance Companies. The Insurance should cover the transit risks from the Ex-works factory to destination and also for storage risks for 60 days after the receipt of materials at site. The damages, if any during transport will be intimated within 30 days from the date of receipt of materials at stores. The damages during storage if any will be intimated to you within 30 days of such occurrence.

6.3. The non-arrival of goods at destination station/site will be reported to the Supplier within 3 months from the date of dispatch.

6.4. The TANTRANSCO will take open delivery in the event of apparent damage to the cases from carriers and obtain open delivery certificate, lodge a preliminary claim with the carriers/under registered A/D card with a copy to the supplier. The open delivery certificate with A/D will then be forwarded to the supplier, for settlement of claim with the insurance under writers.

- 6.5.** It will be the responsibility of the supplier to replace the defective/damaged materials to make good the shortages and other losses in transit free of cost and to lodge and settle the insurance claims with the insurance under writers/carriers.
- 6.6** If there is undue delay in respect of the materials due to the delay caused by the carrier, the supplier is responsible for such delay in all respects.
- 6.7.** No documentary evidence needs to be produced in support of freight and insurance charges. The Freight and Insurance charges will be firm throughout the contract.

7. PACKING AND FORWARDING:

- 7.1. The equipment and all its accessories shall be securely packed and despatched, freight paid, duly insured, at supplier's risk and cost. The packing may be in accordance with the manufacturer's standard practice. The supplier is responsible for ascertaining the facilities that exist for Road Transport to site. Each package shall be clearly marked and contain detailed packing list, such as gross weight, net weight etc. the supplier is solely responsible for any loss or damage during transport. The Equipments/Materials shall be unloaded at destination store/ site by the supplier at free of cost.
- 7.2. 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) Handling and unpacking instructions.
 - f) Bill of material indicating contents of each package.
- 7.3. The supplier shall ensure that the bill of material is approved by the purchaser before despatch.
- 7.4. The supplier is responsible to make sure about the facilities that exist for Road and Rail transport to site, the maximum packages which can be conveyed by the railways and crane lift available at the destination railway station. The supplier is also responsible for any loss or damage during transport and storage for 60 days.

8. LIQUIDATED DAMAGES:

- 8.1.** The delivery as specified should be guaranteed by the supplier under the liquidated damages clause given below:

If the supplier fails to deliver the equipments/materials within the time specified in the contract or any extension thereof, the purchaser shall recover from the supplier as liquidated damages, a sum of HALF PERCENT (0.5%) of the contract price of the undelivered equipments/materials for each completed week of delay. The total liquidated damages shall not exceed TEN PERCENT (10%) of the contract price of the equipments/materials so delayed. Only the date of actual receipt of materials at stores will be reckoned as date of delivery for this purpose.

8.2 Equipment will be deemed to have been delivered only when all its Component parts and its accessories are also delivered. If certain components and accessories are not delivered in time the whole equipment will be considered as delayed unless, the missing parts are delivered. The Liquidated damages will also be levied for the quantity not supplied as is done for the delayed supplies. If supplies effected in part which could not be beneficially used by the TANTRANSCO (due to such incomplete supply), liquidated damage will be worked out on the basis of entire contract price of the such whole units which could not be beneficially used and not on the value of delayed portion.

8.3 If supplies to be rendered are made by the supplier beyond the period of delivery and they are accepted by the TANTRANSCO, such acceptance is without prejudice to TANTRANSCO's right to levy liquidated damages for the delay in supply.

8.4 If the ordered materials are not delivered the purchaser shall recover from the supplier, as liquidated damages a sum equal to TEN PERCENT (10%) of the contract price of the equipments/materials undelivered besides forfeiture of security deposit.

8.5 The suppliers are liable to pay the amount of loss sustained by the TANTRANSCO in the event of non-execution of orders, if any placed on them either in full or part to the satisfaction of the TANTRANSCO under the terms and conditions of contract and in the event of placing orders for such quantities on some others at a higher price.

8.6. Tenderers not giving clear and specific acceptance to the above clauses are liable for rejection.

8.7. If there is any downward trend in prices on account of belated supplies, the tenderers have to accept the same with the levy of liquidated damages, for belated supplies.

The TANTRANSCO will also be at liberty to cancel the contract if the supply is not completed within the accepted delivery period notwithstanding the liquidated damages clause applicable for the belated supplies. Any charge for cancelling the contract will not be accepted under any circumstances.

In the event of cancellation of contract or non-completion of supply by the suppliers, then the short-supplied items may be ordered fresh. The excess price if any between the original and new contract will be recovered from the original supplier from the amount due to the original supplier either from this contract or from any other contract.

9. LOSS OR DAMAGES:

a. External damages and/or shortages that are prima facie, the results of rough handling in transit or due to defective packing will be intimated within one month from the date of receipt of the materials at site. Internal defects, damages or shortages of integral parts which cannot ordinarily be detected on a superficial visual examination, due to bad handling in transit or defective packing, would be intimated within 2 months from the date of receipt of materials. In either case, the defective materials shall be replaced / rectified by the supplier, free of cost as per Clause of Replacement of defective/damaged materials of this Specification.

b. If during the period of supply, it is found that goods already supplied are defective in material or workmanship or do not conform to specification or unsuitable

for the purpose for which they are purchased, then it will be open to the purchaser either to reject the goods or repudiate the entire contract and claim such loss that the purchaser may suffer on that account or require the supplier to replace the defective goods, free of cost.

c. Similarly, if during the guarantee period, any of the goods found to be defective in materials or workmanship or do not conform to specification or unsuitable for the purpose for which they are purchased, it will be open to the purchaser either to repudiate the entire contract and claim damages or accept such parts of the goods that are satisfactory and require the supplier to replace the balance or to claim compensation for the entire loss sustained by the purchaser on that account.

b. In the event of supplies being received damaged or any shortages at the destination stations, the cost of such materials, excise duty and sales tax (if payable) and other charges payable thereof will be paid only proportionate to the value of materials received in good condition, unless the damaged goods or short supplies are made good free of cost by the suppliers.

c. For all legal purposes, the materials shall be deemed to pass into the TANTRANSCO's ownership at the destination stores, where they are delivered and accepted.

d. In case supplies are rejected and they are replaced subsequently, the date of such replacements will be reckoned as the date of supply.

e. It will also be open to the TANTRANSCO at any time to reject such goods and terminate the contract and claim damages or compensation from the supplier.

10. INSTRUCTION TO THE TENDERERS

10.1. The offer should be sent to the O/o SE/Operation/South/Chennai at 400kV Tharamani SS Campus and superscripted as "Quotation for the Supply of 2 Nos Special Energy Meters (SEM), ABT meter LT. No.08/2025-26, due on 01.12.2025 so as to reach the undersigned by 14:00 Hrs on the due date. Also indicate in the outer cover about the details of the EMD amount or proof for EMD exemption and undertaking furnished.

Please note that the tender cover will not be opened if the details not superscribed on the cover, as mentioned above.

The outer cover should contain the following:

- i) DD//Proof of Permanent EMD Holder / Irrevocable bank guarantee from a nationalized bank for EMD amount along with relevant undertaking in non-judicial stamp paper of Rs.500/-/ Undertaking in lieu of EMD along with necessary proof and documents for exemption of EMD in non-judicial stamp paper of Rs.500/-
- ii) Check list (Annexure-II)
- iii) Inner cover

10.22. **The inner cover should contain the following.**

Schedule of price as per Annexure I of tender specification.

- ❖ If EMD/Proof of PEMD/ Irrevocable bank guarantee from nationalized bank as per Annexure – IX/proof for EMD exemption with undertaking is not available,

the tender will be summarily rejected.

- ❖ The quotations received against this enquiry will be opened on the same date of tender opening at 15.00Hrs in the presence of tenderers (or) representatives.
- ❖ If the due date of receipt / opening of tender is declared as a holiday the tender will be received /opened on the next working day.

11. SECURITY DEPOSIT CUM PERFORMANCE GUARANTEE:

The Security Deposit cum Performance Guarantee amount shall be equal to Five percent (5%) of the order value. It shall guarantee the faithful Performance of the materials supplied in accordance with the Terms and Conditions specified in the Specifications

The successful tenderer will have to furnish the above mentioned value (including EMD amount) of order as Security Deposit cum Performance Guarantee. The payment should be made through Demand Draft drawn in favour of **Superintending Engineer/CEDC/SOUTH II/ K.K. Nagar/ Chennai-78**, payable at Chennai.

The successful tenderer will have to furnish the security deposit cum performance Guarantee **within 30 days from the date of receipt of order**. The security deposit cum performance Guarantee will not carry any interest. **In the event of failure to remit security deposit within the prescribed period, EMD shall be forfeited and order will be cancelled. The award will be made to L2 tenderer. (i.e.) The belated payment of security deposit will not be accepted.**

a. Banker's Cheque / Demand Draft/ Irrevocable Bank Guarantee will be accepted towards payment of Security Deposit cum Performance Guarantee . In case of irrevocable Bank Guarantee, it should be a single Bank Guarantee to 5% of the order value.

b. The Security Deposit cum Performance Guarantee will be refunded only if the contract is completed to the satisfaction of the TANTRANSCO and on expiry of guarantee period after ensuring that defects/Damages during the guarantee period are rectified/replaced. If the TANTRANSCO incurs any loss or damages on account of breach of any of the clauses or any other amount arising out of the contract becomes payable by the contractor to the TANTRANSCO, then the TANTRANSCO will in addition to such other dues that he shall have under the law, appropriate the whole or part of the security deposit cum Performance Guarantee and such amount that is appropriated will not be refunded to the contractor.

c. The successful tenderer should furnish a Security Deposit cum Performance guarantee for 5% of Order and shall be valid for a period of entire guarantee period after the completion of supply. The Security Deposit cum Performance Guarantee will be discharged without any interest at the end of Guarantee Period.

d. Failure to comply with the terms regarding Security Deposit cum Performance Guarantee set out in the order within the stipulated time, the successful tenderer will entail cancellation of the order without any further reference to the contractor.

e. If the performance period of the contract is over and some quantity of materials used within guarantee period were defective and are still pending for want of repair/replacement then the original Security Deposit cum Performance Guarantee will not be released.

f. The Security Deposit cum Performance Bank Guarantee shall be returned to the contractor after the expiry of guarantee period ensuring that defects / damages during the guarantee period are rectified / replaced. If the purchaser incurs any loss or damages on account of breach of any of the clauses or any other amount arising out of the contract becomes payable by the contractor to the purchaser, then the purchaser will in addition to such other dues that he shall have under the law, appropriate the

whole or part of the security deposit cum Performance bank guarantee and such amount that is appropriated will not be refunded to the contractor.

g. If the performance period of the material is over and some quantity of material within guarantee period were defective and are still pending for want of repair/replacement then fresh BG equal to the cost of such replacement work is to be furnished by the contractor for releasing original SD cum PBG by TANTRANSCO (purchaser).

h. The Security Deposit cum Performance BG shall be valid for a continuous period of 60 months (entire guarantee period), from date of completion of supply. In case of delay in completion of supply, the BG should be extended suitably. The Bank Guarantee should be a single Bank Guarantee and should be furnished before the commencement of supply.

12. GUARANTEE

12.1. The entire equipments / material to be supplied shall be guaranteed for a period of **at least 60 months** from the date of receipt of last consignment of materials at site in good condition. During the guarantee period if any of the materials/equipments fail, the supplier shall replace free of cost.

12.2 Any defects noticed during this period shall be rectified free of cost to the TANTRANSCO **within** 30 days from the date of intimation of defect/ failure. Irrespective of number of failures and repairs, the suppliers are responsible for free replacement of the defective materials till the same serves a continuous period of 60 (Sixty) months from the date of commissioning after the last repairs and this shall be in addition to the guarantee provided for the equipment.

12.3 A written guarantee guaranteeing the TANTRANSCO Ltd against defects in the materials supplied, either in materials or workmanship should be furnished preferably along with the payment. The guarantee shall be operative for a period of 60 months from the date of receipt of materials at site in good condition.

12.4 Any defects or failure occurring within the guarantee period shall be replaced free of cost within 30 Days (Thirty Days) on receipt of intimation from the purchaser on such defects of failures. If they are not replaced within this period the contractor shall pay the liquidated damages as per the liquidated damages clause in the contract for the delay from the date of receipt of intimation for the defects or failures. Any expenditure incurred in the transportation of material for rectification or replacement will be to the suppliers account.

12.5 The tenderer's who quotes from outside Tamil Nadu may indicate whether any service centres are available inside Tamil Nadu, so as to rectify/ repair the materials that are defective / failed within guarantee period without delay.

12.6 The incidental expenses, transport and freight charges for the replacement of defective materials within the guarantee period may also be borne by the supplier.

12.7 The tenderers shall guarantee among other things, the following:

- i) Quality and Strength of materials used.
- ii) Safe electrical and mechanical stresses on all parts of the equipments / materials under all specified conditions.

- iii) Performance figures given by the tenderers in the Schedule of Guaranteed technical particulars

13. Goods and Services Tax [GST] :

The TANTRANSCO Ltd., has been registered as a dealer, under GST and the GSTIN is 33AADCT4780AFZA.

- I. Any increase in GST consequent to the contractor coming into different duty slab during the execution of contract shall have to be taken into account and the all inclusive firm price shall be quoted accordingly by the contractor. Any variation in GST due to statutory variation within the contract delivery date shall be considered.
- II. Provided always, it is hereby agreed and declared that in case, where the TANTRANSCO has doubt that GST is not at all payable for the transaction in question, the TANTRANSCO reserves the right to withhold the amount of tax until the party provides the necessary documentary evidence.
- III. In the event of documents furnished with the offer being found to be bogus or the documents contain false particulars; the EMD paid by the contractor will be forfeited in addition to black listing them for future tender/contracts in TANTRANSCO.
- IV. The bidders should have registered under GST Act and furnish GSTIN. In the event of contractor is within TN, SGST & CGST shall apply and if the contractor is outside TN, IGST shall apply.
- V. The Goods and Services Tax will be paid extra as applicable. The amount of CGST, separately SGST, and IGST as applicable shall be indicated in percentage payable and amount in the tender offer.
- VI. In case of delayed delivery, the GST prevailing on the date of despatch or on the last day of the contractual delivery period whichever is LESS will be admitted. For both the cases, the supplier shall furnish documentary evidence while submitting the bills for payment.
- VII. It is the responsibility of the tenderer to make sure about the correct rates of duty leviable on the material at the time of tendering. If the rates assumed by the tenderer are less than the current rates prevailing at the time of tendering, the TANTRANSCO Ltd will not be responsible for the mistake. If the rates assumed by the tenderer are higher than the current rates prevailing at the time of tendering, the GST prevailing at the time of tendering will only be paid.
- VIII. Any variation in GST due to statutory variation within the contract delivery date shall be considered by the TANTRANSCO Ltd.
- IX. GST @ 18% or as applicable from time to time will be applied. GST recovery on above is eligible for Input Tax Credit (ITC).

Tax Deducted at Source (TDS):

TDS under GST @ 2% or as applicable from time to time will be deducted on the taxable value for the private agencies.

TDS under GST will not be deducted in respect of the supply of Goods and Services of both from Public Sector Undertaking (i.e.) any company in which not less than 51% of paid up share capital held by the Central Govt. or by any State Govt. Or Governments

or partly by the Central Govt. and partly by one or more State Govt. and includes the company which is subsidiary of such a Government company.

GST – E-Way Bill:

It is responsibility of Supplier/Contractor to ensure the delivery at the destination stores CEDC/WEST Stores, Ambattur IE. Therefore, it is the responsibility of the Supplier/Contractor or their transporters to generate e-way bill before transporting goods for delivery at TANTRANSCO's premises.

14. Evaluation and comparison of the tender offers:

1. The tender will be evaluated strictly as per Tamil Nadu Transparency in tenders Act, 1998 and the Tamil Nadu Transparency in Tender rules, 2000 and its subsequent amendments till date.
2. The tender offers received will be examined to determine whether they are in complete shape, all required data have been furnished, properly signed and generally in order and conforms to all the terms and conditions of the specification without any deviation.
3. For the purpose of evaluation of tender offers, the following factors will be taken into account for arriving the evaluated price:
 - I. The quoted price will be corrected for arithmetical errors.
 - II. In case of discrepancy between the price quoted in words and figures lowest of the two will be considered.
 - III. The offers of the bidders, who have stated to be previous supplier as a main supplier to TANGEDCO/TANTRANSCO/TNEB will be considered for further evaluation, even though they have not submitted the copies of purchase orders or End user Certificate, etc., after ensuring with concerned purchase orders placing authorities.
 - IV. The rate of CGST, SGST and IGST as applicable both in percentage and amount shall be indicated in the offer along with HSN code.
 - V. The evaluated price shall be arrived in compliance with the provisions of GST on the Transaction value i.e. (Ex works price +P&F+ Freight and Insurance) + GST. In case of import of goods would be treated as interstate supplies and would be subject to IGST in addition to applicable customs duty.
 - VI. Since GST is enacted wherein all taxes & duties are subsumed, price evaluation shall be inclusive of applicable GST in all cases.

15. PERMANENT ACCOUNT NUMBER AND GST IN NUMBER:

The Tenderer shall indicate the Permanent Account No. and should enclose the details of PAN issued by Government of India, Income Tax Department and GSTIN number of the firm with proof with the tender.

16. NON – ASSIGNMENT

The supplier shall not assign or transfer the contract or any part thereof without the prior approval of the purchaser.

17. EFFECTING OF RECOVERIES

Any loss, arising incident to non-fulfilment of this order or any other order, will be recovered from the Security Deposit held or any other amount due to the supplier from the TANTRANSCO from this order as well as from other orders.

18. GST CERTIFICATE:

The supplier should be ready to submit the returns as per GSTR 1, 2 and 3 for each transaction.

19. RECOVERIES OF DUES

The Board is empowered

- a) To recover any dues against this contract in any bills security Deposit / Earnest Money Deposit due to suppliers either in this contract or any other contracts with Board.
- b) To recover any dues against any other contract of the suppliers with Board, with the available amount due to the suppliers against this contract.

20. RIGHTS OF THE TANTRANSCO

The undersigned reserves the right,

- a) Not to accept the lowest or any tender.
- b) To divide / split and award the contract to one or more contractors of any item/ items covered by the specifications.
- c) To revise the quantities and delivery schedule of any or all the items covered by this specification while placing orders.
- d) To relax or waive any of the conditions stipulated in the tender specifications as deemed necessary in the best interest of the board for good and sufficient reasons.

21. Replacement of Defective / Damaged Materials:

The defective or damaged materials shall be replaced free of cost within month from the date of receipt defective/damaged materials. If during the period of supply, it is found that goods supplied are defective in material or workmanship or do not confirm to the specification are unsuitable for the purpose for which they are purchased than it will be open to the purchaser either to repudiate the entire contract and claim such loss that the purchaser may on this account or require the contractor to replace the defective goods at free of cost to the Board.

22. Responsibility:

It may please be noted that the ownership of the materials will rest with the supplier till they are delivered at the destination site in good condition as per dispatch instructions.

23. Statutory Levies:

Any increase or decrease in the Statutory Levies like GST will be borne as per the direction of Government.

24.JURISDICTION FOR LEGAL PROCEEDINGS:

No suit or any proceedings in regard to any matter arising in any respect under this contract shall be instituted in any court, save in the appropriate civil court of Chennai or the court of small causes at Chennai. It is agreed that no other court shall have jurisdiction to entertain any suit or proceedings, even though, part of the cause of action might arise within their jurisdiction. In case any part of cause of action arises within the jurisdiction of any of the courts in Tamil Nadu and not in the courts in Chennai City, then it is agreed between parties that such suits or proceedings shall be instituted in court within Tamil Nadu and no other court out sided Tamil Nadu shall have jurisdiction, even though any part of the cause of action might arise within the jurisdiction of such courts. An undertaking on a stamped paper of value of Rs 500/- in this regard should be furnished on receipt of Purchase Order.

S/d**15.11.2025
SE/OPERATION/CHENNAI SOUTH

SECTION-VI

TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATIONS FOR 0.2s ACCURACY CLASS AC STATIC TRIVECTOR ENERGY METERS, SUITABLE FOR INTER FACE ENERGY METER AND AVAILABILITY BASED TARIFF (ABT) METRING

1.0 Scope

- 1.1 This specification covers the design, engineering, manufacture, assembly, inspection and testing before supply and delivery at site/ FOR destination of class 0.2s accuracy, 50Hz, wall mounted, static HT tri-vector CT/ VT operated meters, along with other associated equipments as per details given in this specification. The meters shall be used for commercial/ tariff metering for inter utility power flows/ bulk consumers as well for Availability Based Tariff (ABT) application.
- 1.2 The meter shall be conforms to **IS 15959** and its latest amendments. Meter shall have provision to configure 15 or 5 min time block in field with authenticated transaction.
- 1.3 The meter shall be supplied in 3-phase 4-wire mode. However, provision shall be there to configure the meter in 3-phase 3-wire mode, as & when required, through authenticated / secured commands.
- 1.4 The meter shall have wide secondary current range support i.e. same meter shall be put up for 1A or 5A rating as per field availability of CT's. The meter shall support 200% Ibasic. Meter commissioned at each substation shall be of 3 phase 4 wire.
- 1.5 The meters shall normally operate with the power drawn from AC auxiliary power supply (60-240 V AC/DC ($\pm 20\%$)) to reduce the Voltage Transformer (VT) burden. In addition, there shall be provision to operate the meter from the Voltage Transformer (VT) secondary circuit having a rated secondary line-to-line voltage of 110V, and current transformers (CTs) having a rated secondary current of 1 A or 5A. Any further transformers/ transactions/ transducers required for their functioning shall be in-built in the meters. Necessary isolation and/or suppression shall also be built-in, for protecting the meters from surges and voltage spikes that occur in the VT and CT circuits of extra high voltage switchyards. The reference frequency shall be 50Hz. In addition, the meter shall have suitable of $\pm 15\%$ tolerance for DC supply.

The total burden imposed by a meter for measurement and operation shall be defined as per IS 14697. An automatic backup for continued operation of the meter's calendar-clock, and for retaining all data stored in its memory, shall be provided through a long-life battery, which shall be capable of supplying the required power for at least 2 years.

- 1.6 The meters shall fully comply with all stipulations in IS 14697 except those specifically modified by this specification. The reference ambient temperature shall be 27° C.
- 1.7 Each meter shall have a test output device (visual), as per clause 6.11 of IS 14697.1999, for checking the accuracy of active energy (Wh) measurement.

- 1.8 The three line-to-neutral voltage shall be continuously monitored and in case any of these falls below defined threshold (70% of V_{ref}), meter shall have suitable indication on LED/ LCD.
- 1.9 The meter shall also have provision for low voltage event logging in meter memory in case of any phase voltage going below a defined threshold.
- 1.10 The time blocks in which a voltage failure occurs/persists shall also be recorded in the meter's memory with a symbol "*" If 3 Phase RMS voltage applied to the meter is in between 25% to 70% of V_{ref} and if Voltage is less than 25% of V_{ref} or in feeder fail condition, meter should record Zero voltage symbol "Z".
- 1.11 Time Accuracy - Each meter shall have a built-in calendar and clock, having an accuracy of 10 seconds per month or better. The calendar and clock shall be correctly set at the manufacturer's works. The date (year-month-day) and time (hour-min.-sec.) shall be displayed on the meter front (when VT supply has been connected), on demand. Meter shall have the intelligence to synchronize the time with SNTP over Ethernet port and provision through a single click from the software itself while connecting the meter with local or remote server.
- 1.12 Limited time synchronization through meter communication port shall be possible at site. When an advance or retard command is given, twelve subsequent time blocks shall be contracted or elongated by five seconds each if meter configured for 5 min block and six subsequent time blocks shall be contracted or elongated by ten seconds each if meter configured for 15 min block.
All clock corrections shall be registered in the meter's memory and suitably shown on print out of collected data. The whole system shall be such as to provide a print out (both from the local PC, and from remote central computer) of the following form:

2.0 Constructional Features

- 2.1 The meters shall be supplied housed in compact and sturdy, metallic or molded cases of non-rusting construction and/or finish. The cases shall be designed for simple mounting on a plane, vertical surface such as a control/relay panel front. All terminals for CT and VT connections shall be arranged in a row along the meter's lower side. Terminals shall have a suitable construction with barriers and cover, to provide a secure and safe connection of CTs and VTs leads through stranded copper conductors of 2.5 sq. mm. size.
- 2.2 All meters of the same model shall be identical in all respects except for their unique identification codes. They shall also be properly sealed and tamper evident, with no possibility of any adjustment at site, except for transactions allowed in IS 15959.
- 2.3 The meters shall safely withstand, without any damage or mal operation, reasonable mechanical shocks, earthquake forces, ambient temperature variations, relative humidity etc. They shall have an IP-54 category dust-tight construction, and shall be capable of satisfactory operation in an indoor, non-air conditioned installation.
- 2.4 Either the meters shall have built-in facility (eg. test links in their terminals) for in-situ testing, or a separate test block shall be provided for each meter.
- 2.5 Proper sealing arrangement shall be provided in metering system and sealing arrangement should be suitable for application of Polycarbonate seals.

3.0 Measurement

- 3.1 The active energy (Wh) measurement shall be carried out on 3-phase, 4-wire principle, with an accuracy as per class 0.2S of IS 14697. The principal unit of measured values shall be kilowatt-hour (kWh) or Megawatt-hour (MWh). The meter shall compute the net active (Export-Import) energy (Wh) sent out from the substation bus bars during each successive 5 min block, and store it in its memory up to second decimal with plus sign if there is net Wh export and with a minus sign if there is net Wh import.
- 3.2 The Reactive energy (VARh) measurement shall be carried out on 3-phase, 4-wire principle, with an accuracy of 0.5S as specified in IS 14697. The meter shall compute the net Reactive (Export-Import) energy (VARh) sent out from the substation bus bars during each successive 5 min block, and store it in its memory up to second decimal with plus sign if there is net VARh export and with a minus sign if there is net VARh import. It shall also display on demand the net VARh sent out during the previous 5 min block.
- 3.3 The meter shall also integrate the reactive energy (VARh) algebraically into two separate registers, one for the period for which the average RMS voltage is above 103.0%, and the other for the period for which the average RMS voltage is below 97.0 %. The current reactive power (VAR), with a minus sign if negative, and cumulative reactive energy (VARh) readings of the two registers (>103% and <97%) shall be displayed on demand. The readings of the two registers at each midnight shall also be stored in the meter's memory. When reactive power is being sent out from substation bus bar, VAR display shall have a plus sign or no sign and VARh register shall move forward. When reactive power flow is in the reverse direction, VAR display shall have negative sign and VARh register shall move backward. Generally, the standard PT ratios are 220 kV /110 V, 400 kV /110 V and 765 kV / 110 V. However, at the time of commissioning the vendor may confirm the same from site and configure the meter accordingly to ensure correct recording of reactive energy. For Reactive High & Low recordings, PT secondary voltage shall be configured in the meter. Therefore, it is required that the same shall be confirmed from the site.
- 3.4 Errors for different power factors shall be as defined in IS14697.
- 3.5 For reactive power (VAR) and reactive energy (VARh) measurements, IS14697 shall be complied with. The accuracy of measurement of reactive energy shall be as per class 0.5S.
- 3.6 No rounding off to the next higher last decimal shall be done for voltage and frequency displays. All 5 min Wh and VARh figures shall however be rounded off to the nearest last decimal.
- 3.7 The harmonics shall be filtered out while measuring Wh, V and VARh, and only fundamental frequency quantities shall be measured/computed.
- 3.8 Data security shall be ensured as per IS 15959 (three layers of security).

4.0 Data Communication Capability:

Each meter must have an optical port on its front for tapping all data stored in its memory through HHU. In addition to the above each meter shall also have following communication ports:

- 1) RS485 (Hot pluggable modules)

The meter should be capable to communicate simultaneously on above ports all together at a time and communicate independently. The overall intention is to tap the data stored in the meter's memories at a scheduled time from any of the above-mentioned ports or any other means and transmit the same to a remote central computer using suitable means of communication.

Data collection from any local laptop/PC should be possible by installing data collection software. The meter shall be suitable for communication with external device like modem, DCU, etc. which shall be able to communicate with HES for local/remote data transfer.

For multi drop connection (Daisy chaining) networking, IN & OUT provision shall be there in modular RS 485 port. Also the RS485 and TCP / IP shall be configured as DLMS ICS and MODBUS protocol.

5.0 Display

The display of the meter shall indicate direct values (i.e. without having to apply any multiplying factor) of measured / computed parameters as per the meter configuration during commissioning. The display values shall accompany suitable legends, signs and OBIS code for identification. The meter shall have Graphical LCD with backlight for proper depicting of values in user friendly manner like values with unit, OBIS codes, negative signs, favourite page etc.

The energy register shall not take roll-over before 1500 hours of continuous operation with power equivalent to rated maximum current at reference voltage and unity power factor.

The meter shall be able to display the following parameters on demand & in Auto scroll mode, but the display of these parameters shall be programmable at site. There should be two push buttons for up & down scroll of display parameters.

- 1) Meter Serial No.
- 2) Real Time Clock – Date and Time
- 3) Net Active Energy (Export - Import)
- 4) Net Reactive Energy (Export - Import)
- 5) Energy Net Reactive High (i.e. when RMS Voltage >103% Vn)
- 6) Energy Net Reactive Low (i.e. when RMS Voltage <97% Vn)
- 7) Average frequency of the previous block
- 8) Net Active Energy (Export - Import) of the previous block
- 9) Net Reactive Energy (Export - Import) of the previous block
- 10) Three phase average % Voltage
- 11) Active Import
- 12) Active Export
- 13) Reactive Q1
- 14) Reactive Q2
- 15) Reactive Q3
- 16) Reactive Q4
- 17) Apparent while Active Import
- 18) Apparent while Active Export
- 19) Reactive lag High Q1
- 20) Reactive lead High Q2
- 21) Reactive lag High Q3
- 22) Reactive lead High Q4
- 23) Reactive lag Low Q1
- 24) Reactive lead Low Q2
- 25) Reactive lag Low Q3
- 26) Reactive lead Low Q4
- 27) High kVArh Lead while active import – High kVArh lag while active import
- 28) Low kVArh lead while active import – Low kVArh lag while active import
- 29) High kVArh Lead while active Export – High kVArh lag while active Export
- 30) Low kVArh lead while active Export – Low kVArh lag while active Export

The meter shall have the provision to display graphical representation of current & voltage vectors, both magnitude and angle, for each phases. In addition to that, there should a facility to configure the display parameters in favorite pages.

6.0 Marking of Meter

The basic marking on the metering module name plate shall be as follows:

- i) Manufacturer's name and trade mark
- ii) Serial Number
- iii) Year of manufacture
- iv) Meter Type
- v) Number of phases and wires
- vi) VT commissioning information
- vii) CT commissioning information
- viii) Reference frequency
- ix) Accuracy Class

7.0 Memory/Storage

7.1 Each meter shall have a non-volatile memory in which load survey, Midnight, Billing and MD data shall be automatically stored.

The survey integration period (SIP) shall be set as 5 minutes that shall be capable to change to other integration period (15 or 30 minutes) if required, through suitable high level software/ MRI as an authenticated transaction. Meter shall record following Load Survey parameters for 5 Minute blocks for secondary voltage and current rating (-/110V, -/1A or -/5A):

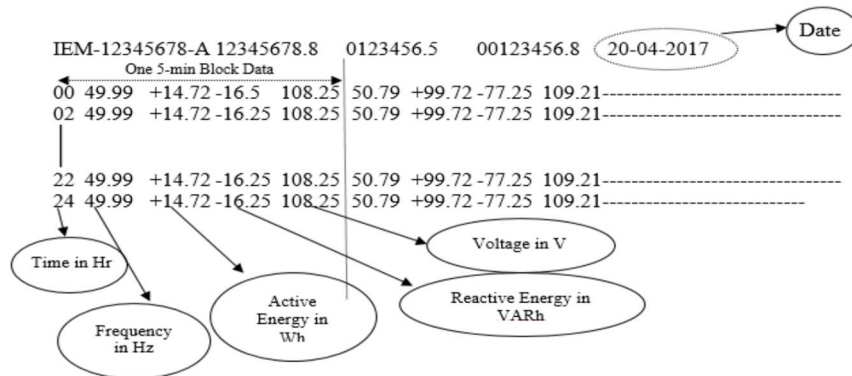
- i) Date and time blocks
- ii) Average frequency in Hertz up to third decimals
- iii) Net Active Energy (Export - Import) in Wh up to fourth decimal
- iv) Net Reactive Energy (Export - Import) in VARh up to fourth decimal
- v) Average RMS voltage
- vi) Flag star (*)/ (Z) mark

Meter shall record following cumulative parameters **at midnight in eight digits including one decimal** for secondary voltage and current rating (-/110V, -/1A or -/5A):

- i) Net Active Energy (Export - Import)
- ii) Net Reactive Energy (Export - Import)
- iii) Energy Net Reactive High (i.e. when RMS Voltage >103% Vn)
- iv) Energy Net Reactive Low (i.e. when RMS Voltage <97% Vn)

The meters shall store all the above listed data in their memories at least for a period of fifteen (15) days. The data older than storage capacity shall get erased automatically.

7.2 The below data shall be available in text file format exportable to Excel.



There are 4 values in one 5 min time block. The first row shall contain the meter data for 2 hours, i.e. 24 time blocks, 00 hrs to 02:00 hrs. Similarly the 2nd row shall contain the data for the next 2 hours and henceforth. The above data shall be available in text file format exportable to Excel. Indication of time retard or advance to be provided without disturbing the proposed format. Each 5-min block data consists of **Frequency (in HZ)**, **Active energy (in Wh)**, **Reactive energy (in VARh)** and **Voltage (in V)**. All 5 minute Wh and VARh figures in required (.CSV/.NPC/ any other) output report shall be **rounded off up to third decimal**. Net Active and Reactive energy High Low to be in the order of **7+1 digits**.

The load survey data should be available in the form of bar charts as well as in spreadsheets. The BCS shall have the facility to give complete time synchronized load survey data both in numeric and graphic form.

7.3 The meter shall have TOD registers for following parameters:

- Active energy import
- Active energy Export
- Apparent energy while active import
- Apparent energy while active export

Maximum eight time of day registers including universal (0-24 hrs) register can be defined. It shall be possible to program number of TOD registers and TOD timings through suitable high level software/ MRI as an authenticated transaction.

The meter shall continuously monitor and calculate the average demand for following parameters during the demand integration period set and the maximum, out of these shall be stored along with date and time when it occurred in the meter memory:

- Active energy import
- Active energy Export
- Apparent energy while active import
- Apparent energy while active Export

The maximum demand shall be computed on fixed block principle. The integration period shall be set as 5 minutes that shall be capable to change to other integration period (15 or

30 minutes), if required, through suitable high level software/ MRI as an authenticated transaction.

Maximum Demand Reset: Following provisions shall be available for MD reset in meter:

- i) Auto billing at predefined date and time
- ii) Manual via common MD reset button (optional)
- iii) Authenticated transaction through suitable high level software/ MRI (optional)

The predefined date and time for registering the billing parameters of shall be 00.00 hours of the first day of each calendar (billing) month. Each meter shall store the following parameters corresponding to defined bill dates for up to last six (12) months:

- i) Active energy import
- ii) Active energy export
- iii) Apparent energy (while active import)
- iv) Apparent energy (while active export)
- v) Maximum demand Apparent (while active import)
- vi) Maximum demand Apparent (while active export)

Meter shall have provision to compute apparent energy based on lag only or lag+lead. The same shall be configured at factory end. The meters shall be compatible with ABT tariff as well as TOD tariff. The meter display should depict the total harmonic distortion (THD) of current and voltages up to 31st level of power quantity for providing the feature of supply monitoring to Utility.

8.0 Anomaly Detection Features

The meter shall have features to detect and log the occurrence and restoration of following anomalies, along with date and time of event:

- i) Phase wise Missing Potential – The meter shall detect missing potential (1 or 2 phases) provided the line current is above a specified threshold. The voltage at that stage would be below a specified threshold.
- ii) Phase wise Current Circuit Reversal – The meter shall detect reversal of polarity provided the current terminals are reversed. This shall be recorded for 1 or 2 phase CT reversal.
- iii) Voltage Unbalance – The meter shall detect voltage unbalance if there is unbalance in voltages.
- iv) Current Unbalance – The meter shall detect current unbalance if there is unbalance in load conditions. Meter should ensure true system conditions before going for current unbalance checks.
- v) CT Miss – The meter shall detect current miss if the current is below a defined threshold, provided the phase voltage is above a specified threshold.

Snapshots of phase wise voltage, phase wise active current and phase wise power factor shall be provided with above specified anomaly events.

Further, each meter module shall record the following events along with total duration:

- vi) Power On/Off – The meter shall detect power off if both the auxiliary supplies fail. The event shall be recorded on the next power up. At the same time power on event shall be recorded. No snapshot shall be logged with this event.

- vii) Feeder Supply Fail -This event shall be logged when feeder supply, i.e. all the voltages goes below certain threshold. No snapshot shall be logged with this event. This feature shall be available if meter powered up with auxiliary supply.

Following additional tampers should also be provided in the meter:

- a. Over voltage
- b. Under voltage
- c. Voltage sag (power quality)
- d. Voltage swell (power quality)
- e. Neutral disturbance
- f. Magnet detection

Minimum 500 events (occurrence + restoration) in total shall be stored in the meter memory on first in first out basis. Once one or more compartments have become full, the last anomaly event pertaining to the same compartment shall be entered and the earliest (first one) anomaly event should disappear. Thus, in this manner each succeeding anomaly event shall replace the earliest recorded event, compartment wise. Events of one compartment/ category should overwrite the events of their own compartment/ category only. In general persistence time of 5 min. for occurrence and restoration respectively need to be supported in meter.

The meter shall transaction (as performed in authenticated manner) of Time set, MD reset operation and tariff change. These events shall be logged in roll over mode.

9.0 Self-Diagnostic Information

The meter shall be capable of performing complete self-diagnostic check to monitor the circuits for any malfunctioning to ensure integrity of data in memory location all the time. The meter shall have indications for unsatisfactory/ nonfunctioning/malfunctioning of the following:

- i) Non-volatile memory
- ii) RTC battery

The above malfunctioning should be flagged in the meter memory and should be made available in meter reading data.

10.0. Type Test

- 5. The meters shall be fully type tested as per relevant standards IS 14697. The type test report of the meters shall be submitted by bidder along with the offer. Type Test Certificates of the SEM meter as per specification **confirming to relevant IS: 14697-1999** / relevant IEC Standard, CBIP Technical Report No.325 (Published during 2015) with upto date amendments and **IS 15959-2011** with latest amendments obtained from any one of the NABL accredited standard laboratories (such as ERDA / CPRI) and conducted within **5 years** and valid on the date of tender opening shall be furnished along with the tender.

It is not the intent to specify completely herein all the details of the design and construction of material. The material shall, however, conform in all respects to the best industry standards of engineering, design and workmanship and shall be capable of performing for continuous commercial operation in a manner acceptable to the purchaser. The offered equipment shall be complete in all respects including all components/ accessories for effective and trouble free operation according to the specifications. Such components shall be deemed to be within the scope of this specification irrespective of whether those are specifically brought out or not.

3. TEST AND INSPECTION:

Inspection of the equipment will be done at the site.

The bidder shall demonstrate all the features of the equipment mentioned in the technical specification.

The vendor is solely responsible for making the complete system operational at user's site.

4. DOCUMENTS:

The vendor shall supply the hard and soft copy of operation and Maintenance manual in duplicate. All necessary literature giving complete technical details shall be provided. He should also provide the test certificates given by manufacturer.

5. ROUTINE TESTS:

All routine tests as stipulated in the relevant standards shall be carried out and routine test-certificates/reports shall be submitted to the purchaser for approval before despatch and a copy of the same also placed inside individual meter packing.

S/d**15.11.2025
SE/OPERATION/SOUTH/CHENNAI

TAMILNADU TRANSMISSION CORPORATION LIMITED
(A Subsidiary of TNEB)
ANNEXURE I (Schedule of price)
FOR L.T. No.15/2025-26

Sl. No.	Description	Qty	Rate/ unit	Freight & Ins. Charge if any	Packing & forwarding if any	Tax amount & %	All-inclusive Unit Price
1.	Supply of new Special Energy meter 1A, 110V, ABT meter, class 0.2 S, -/110/√3V, -/1A, 3 phase, 4 wire CT/PT Operated, AMR Compatible with DLMS & RS 232, Optical port on Modbus on Ethernet RS485 Port or DLMS & Modbus Ethernet port with 05/15/30 min Integration period (compatible for PGCIL format) with Latest Software compatible to download data. Supports DLMS & PGCIL meter formats (Communication medium through AMR, Modbus, TCP IP) and NABL testing	2 Nos.					
	Total Amount						

Split up Details :

- a. Ex-works Price : Rs.
b. F & I charges (if any): Rs.
c. P &F (if any) :Rs.
d. GST :Rs.

.....
Total unit FOR(D) price Rs.
.....

**ANNEXURE-II
CHECK LIST**

S.No.	Particulars	Tenderer's Response
1	Name, address and Phone No. of the company	
2	Name, address and Phone No. of the factory / works	
3	Fax No.	
4	In the cover whether the following are enclosed a. DD for EMD b. If tenderer is eligible for exemption of EMD, whether the following are enclosed. i) Proof exemption of EMD and ii) Undertaking in Rs.500/-stamp paper. c. Price Schedule d. Terms & conditions	YES / NO YES / NO YES / NO
5	Validity of the tender	
6	Whether quoted price is firm	YES / NO
7	Whether tenderer agreeable for the following TANTRANSCO's standard clause	
	a. Payment	Accepted / Not accepted
	b. Delivery	Accepted / Not accepted
	c. Liquidated damage	Accepted / Not accepted
	d. Guarantee	Accepted / Not accepted
8.	Technical particulars enclosed	YES / NO

Signature :

Designation :

Company Seal :

ANNEXURE– III

DEVIATION FROM TECHNICAL SPECIFICATION

All technical deviations from the specification shall be filled in by the Tenderer, clause by clause, in the Schedule.

SECTION NO.	CLAUSE NO.	DEVIATION

The Tenderer hereby certifies that the above mentioned are the only deviations from the TECHNICAL Specification and the tender confirms to the specification in all other respects.

Date :

SIGNATURE OF THE
TENDERER

Place :

NAME

STATUS IN THE COMPANY
(Affix Seal of the company)

ANNEXURE – IV
DEVIATION FROM COMMERCIAL TERMS

All deviations from the commercial terms shall be filled in by the Tenderer, clause by clause, in the Schedule.

SECTION NO.	CLAUSE NO.	DEVIATION

The Tenderer hereby certifies that the above mentioned are the only deviations from the Commercial terms of the Specification.

Date :

SIGNATURE OF THE
TENDERER

Place :

NAME

STATUS IN THE COMPANY
(Affix Seal of the company)

ANNEXURE-V
UNDER TAKING IN LIEU OF EMD

(To be furnished in non-judicial stamp paper of value not less than Rs.500/-)

THIS DEED OF UNDERTAKING EXECUTED AT _____ ON THIS THE _____ DAY OF _____ TWO THOUSAND AND TWENTY FOUR BY expression shall where the context so admits mean and include their Agents, Representatives, Successors-in- office and Assigns).

TO AND IN FAVOUR OF **SUPERINTENDING ENGINEER/OPERATION/ SOUTH/CHENNAI, TAMIL NADU TRANSMISSION CORPORATION LTD.,** a corporation incorporated under the companies Act 1956 having its office at 10th Floor, NPRR Maaligai,144, Annasalai, Chennai-2 herein called the "TANTRANSCO" (Which expression shall where the context so admits mean and include its successors in office and Assigns.)

WHEREAS THE tenderer is required to pay Earnest Money Deposit of Rs. _____ for participation in the tender for supply of _____ in terms of specification No. _____.

AND WHEREAS the tenderer is exempted by the 'TANTRANSCO' from payment of EMD in the form of cash, subject to the tenderer executing an undertaking to the value of Rs. _____ (Rupees _____) representing the amount equivalent to the amount of EMD specified to be paid to the 'TANTRANSCO' in the event of non-fulfillment of breach of any of the conditions of the tender by the Tenderer as mentioned hereunder.

AND WHEREAS in consideration of the acceptance by the 'TANTRANSCO' of the above proposal. The tenderer has _____ agreed to pay to the 'TANTRANSCO' the said amount of Rs. _____ in the event of _____

1. Withdrawing his tender before the expiry of the validity period OR
2. Withdrawing his tender after acceptance, OR
3. Violating any of the conditions of the tender issued by the competent authority.

NOW THIS UNDERTAKING WITNESSES that in pursuance of the said agreement the tenderer hereby doth covenant with the 'TANTRANSCO' that in consideration of the 'TANTRANSCO' waiving the condition of payment of EMD in cash in terms of the said specification, the Tenderer has agreed to pay to the 'TANTRANSCO' Rs. _____ only) in the event of :

- i. Withdrawing his tender before the expiry of the validity period.
- ii. Withdrawing his tender after acceptance.
- iii. Violating any of the conditions of the tender issued by the competent authority.

NOW THE CONDITION OF THE above written undertaking is such that if the tenderer shall duly and faithfully observe and perform the conditions specified as above, then the above written undertaking shall be void, otherwise it shall remain in full force.

The tenderer undertakes not to revoke this guarantee till the contract is completed under the terms of contract.

The expression 'tenderer' and the 'TANTRANSCO' hereinafter before used shall include their respective successors and assign in office.

IN WITNESS WHERE OF THIRU. _____ acting for and on behalf of the tenderer has signed this deed on the day, month and year herein before first mentioned.

SIGNATURE

In the presence of Witnesses

1.

(Signature with name & address)

(Name in Block letter
Seal of the company)

2.

(Signature with name & address)

ANNEXURE – 'VI'

Declaration on ITC Benefit

(to be submitted in NJS paper of value not less than Rs.500/-)

To

The Superintending Engineer,
Operation/South/TANTRANSCO,
400kV Tharamani SS Campus,
Chennai-113.

Sub:TANTRANSCO- Tender Specn No..... – for **supply of**
.....- Reg

We hereby declare and confirm that we are registered vendor under GST Act having GSTIN in State of . Our applicable GST for the above reference job is under code

We hereby declare and confirm that we are unregistered vendor under GST Act being turnover is less than Rs. Lakhs (being threshold limit) per annum. (For unregistered vendor has to submit an affidavit in the enclosed format).

We hereby declare and confirm that we are registered vendor under composite scheme having GSTIN.

We are aware that as per sec 171 of CGST Act , any reduction in rate of tax on any supply of goods or services or the benefit of input tax credit should be passed on to TANTRANSCO by way of commensurate reduction in prices and as such we hereby declare that we are extending Rs. /- of % as rebate in my awarded price against input tax credit benefit.

We hereby declare that we do not have any input tax credit benefit on account of GST applicable against this job. If it is established that we have availed input tax credit benefit against this job, the differential tax benefit will be returned to TANTRANSCO failing which TANTRANSCO may take appropriate action.

Signature of bidder with Company Seal

Note: Bidder may strike out the para not applicable

ANNEXURE – 'VII'

UNDERTAKING TOWARDS JURISDICTION FOR LEGAL PROCEEDINGS

This undertaking executed at on this (date)
(month) two thousand twenty four by M/s.

Registered under Companies Act, 1956 having its registered office at hereinafter called the Contractor (which expression shall where the context so admits mean and include its successors in office and assigns) with the TANTRANSO a statutory authority created under the powers vested with the Electricity (Supply) Act, 1948, having its registered office at 400KV Tharamani SS Complex,Tharamani,Chennai 600 113 hereinafter called the purchaser (which expression shall where the contest so admits means and includes its successors in office and assigns)

WHEREAS the contract is for the supply of in terms of the Purchase Order No. dt.

AND WHEREAS in accordance with clause of the above said purchase order certain terms were stipulated for the above supply.

AND WHEREAS in accordance with clause of the above mentioned Purchase Order the contractor has to furnish an undertaking that no suit or any proceedings in regard to any matter arising in any respect under this contract shall be instituted in any court other than in the High Court Madras, City Civil Court of Chennai or other Court of small causes at Chennai, as the case may be.

IN CONSIDERATION of the TANTRANSO having agreed to accept the undertaking the Contractor hereby undertakes that no suit or any proceedings in regard to any matter arising in respect of this contract shall be instituted in any court, save in the High Court, Madras, City Civil Court at Chennai or at the Court of small causes at Chennai. It is agreed that no other court shall have jurisdiction to entertain any suit or proceedings, even though, part of the cause of action might arise within their jurisdiction. In case, any part of cause of action might arise within the jurisdiction of any of the courts in Tamil Nadu and rest within the jurisdiction of Courts outside the Tamil Nadu, then it is agreed to between the parties that such suit or proceedings shall be instituted in a Court within the State of Tamil Nadu and no other Court outside the State of Tamil Nadu shall have jurisdiction even though any part of the cause of action might arise within the jurisdiction of such Courts.

IN WITNESS WHEREOF of Thiru of the contractor hereby put his hand and seal for due observance of the undertaking in the presence of the following witnesses.

SIGNATURE

NAME IN BLOCK LETTERS

SEAL OF THE COMPANY

WITNESS

1.

2.

ANNEXURE – 'VIII'

DECLARATION FORM

To be signed with company seal on letter head and to be enclosed with the tender

TENDER ACCEPTANCE LETTER

(To be given on company letter head) Date:

To,
The Superintending Engineer,
Operation/South, TANTRANSCO,
400kV Tharamani GIS SS Campus
Chennai-113.

Sub: Acceptance of Terms & Conditions for Tender.

Tender Reference No:.....Name of Tender /Work

Dear Sir,

1. I/We have downloaded/obtained the tender document(s) for the mentioned 'Tender/Work' from the web site(s) namely:

.....
As per your advertisement, given in the above mentioned website(s).

2. I/We hereby certify that I/We have read the entire terms and conditions of the tender documents from page no..... to (including all documents like annexure(s), schedule(s), etc.,) which form part of the contract agreement and I/We shall abide hereby the terms/conditions/Clauses contained therein.

3. In accordance with Security Deposit Cum Performance Guarantee clause, Section-VI, of the specification we agree to furnish security to the extent of 5% value of Purchase Order valid till the expiry of guarantee period.

4. I/We hereby unconditionally accept the tender conditions of above mentioned tender documents(s) corrigendum(s) in its totally/entirely.

5. In case any provisions of this tender are found violated, then your department/ organization shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the bidder, with official Seal)

ANNEXURE – 'IX'

IRREVOCABLE BANK GUARANTEE FOR FURNISHING EMD

(In Rs.500/-Non-judicial stamp paper)

B.G.No.

Amount: Rs.

Date

Valid till:

THIS DEED OF GUARANTEE made on this..... Day of Two thousand and.....by the.. (Bank)., at

.....(address of the bank) under the Act, 1969 and having its central office at , and amongst other places branch athereinafter referred to as the "BANKS"), to and in favour of TANTRANSCO, a Company registered under the Company's Act 1956 having the office at 400KV Tharamani SS Complex, Tharamani, Chennai 600 113, represented by the..... (hereinafter called the 'Purchaser').

Whereas M/s..... hereinafter called the (Bidder) have by virtue of participating in the tender floated by the Purchaser as per Tender Specification No.....agreed with the Purchaser toin accordance with the terms and conditions contained therein.

AND WHEREAS in accordance with the terms of the Tender Specification No..... the Bidder has to pay a sum of Rs.....(Rupees.....only) towards Earnest Money Deposit or furnish an irrevocable bank guarantee from a nationalized bank for an amount specified in the tender specification for the purpose of participating in the tender and adherence to the terms and conditions mentioned in the Tender Specification

AND WHEREAS the bidder has requested the Purchaser to accept irrevocable bank guarantee from nationalized bank in lieu of Earnest Money Deposit for an amount specified in the tender specification for the purpose of participating in the Tender and adherence to the terms and conditions mentioned in the Tender Specification.

AND WHEREAS the Bank has at the request of the bidder, agreed to guarantee the payment of the said sum in case the tender procedures is not adhered in accordance with the specifications indicated in the terms and conditions contained in Tender specification No.. dt.....

NOW THE DEED WITNESSES AS FOLLOWS:

In consideration of the purchaser having agreed to accept the irrevocable bank guarantee from a Nationalized Bank, towards the Earnest Money Deposit of the materials/system supplied for a sum equivalent to Rs.....(value of the tender a sum equivalent to Rs..... (value of the be entered) (Rupees.....only) the Bank do hereby guarantees that if the bidder fails to perform the tender procedures in accordance with the specifications and conditions of the purchase order and as subsequently amended, the Bank shall pay forthwith merely on demand without any demur to the purchaser such amount or amounts, as the Bank may be called upon to pay by the Purchaser.

PROVIDED that the liability of the bank under this deed shall not at any time exceed the said sum of Rs... (Rupeesonly)

PROVIDED FURTHER that the guarantee hereunder furnished shall be released as soon as the bidder has completed the tender procedures to the satisfaction of the purchaser in accordance with the terms and conditions specified in the tender specification and the period of one year is over and a certificate to that effect is issued by the purchaser.

The bank further undertakes to indemnify the purchaser against any loss or damage that may be caused or suffered by the Bidder by reason of any breach of the terms and conditions in the said Tender Specification No.....

The guarantee herein contained shall remain in force till the terms and conditions of the Tender specification No..... have been fully and properly carried out by the said contractor and in any case, the guarantee shall not hold good after the expiry of ..

The Bank further agree with the purchaser that the purchaser shall have the fullest liberty (without the consent of the Bank and without affecting in any manner the obligations of the Bank hereunder) to vary any of the terms and conditions mentioned in the tender specification or to extend the time of validity of the bank guarantee by the said contractor from time to time or to postpone from time to time any of the powers exercisable by the purchaser against the said bidder and to forbear or to enforce any of the terms and conditions relating to the said tender specification and the Bank shall not be relieved of its liability by the reason of any such variations or extension being granted to the reason to the said bidder or by reason of any forbearance, act or omission on the part of the purchaser or any indulgence by the purchaser to the said contractor or by any such matter or things what-so-ever which under the law relating to sureties would but for these provision have the effect so relieving the Bank.

Any account settled between the purchaser and the bidder shall be the conclusive evidence against the Bank for the amount due and shall not be questioned by the Bank.

The expressions "Bank", "Bidder" and the "PURCHASER" herein before used shall include their respective successors and assigns.

IN WITNESS WHEREOF THIRU.....acting for and on behalf of the bank and signed this deed on the day, month and year first above written.

In the presence of witness:

1. Signature with the seal of the Bank(Name in Block letters)

2.

(Name in capitals to be subscribed with designation, office address or residential address)