TAMIL NADU TRANSMISSION CORPORATION LIMITED

SPECIFICATION FOR SUPPLY OF

I. AC PANEL FOR 230KV SS - 8 nos.

II. 220V DC Distribution Panel - 6 nos.

UNDER OPEN TENDER RATE CONTRACT SYSTEM
[TENTATIVE QUANTITY]

SPECIFICATION NO. T- 2315

DUE DATE: 03.05.25

OFFICE OF THE CHIEF ENGINEER/
TRANSMISSION,
5TH FLOOR, TANTRANSCO HQ
No.144, ANNA SALAI
CHENNAI - 600 002

TANTRANSCO LTD

E-Tender Notice

(Domestic competitive bidding)

Online E-bids are invited from eligible and interested firms for supply of **14nos.** of Panels under Annual rate contract basis on domestic competitive bidding through the e-tender portal of NIC **http://tntenders.gov.in/nicgep/app**

1) Tender Specification No.	**T-2315 dt.03.05.2025**
2) Name of work	Supply of 14nos. (Tentative) of Panels under Annual rate contract **TRANSMISSION WORKS** **I. AC PANEL FOR 230KV SS** – 8nos. **II.220V DC Distribution Panel** – 6nos.
3) Nature of tender	Procurement
4) Method of Tender	E-Tender two part system (Online: Part I – Techno – Commercial Bid and Part II – Price Bid).
5) URL for online submission of e-tender	https://tntenders.gov.in/nicgep/app
6) (a) Earnest Money Deposit (EMD)	**Rs. 17,700/-** **(Rupees Seventeen thousand seven hundred only)** i) The Online payment Gateway has been enabled for TANTRANSCO in TN Tenders Portal (www.tntenders.gov.in) All the payments for the tenders like EMD will be carried out by the Bidders only through online payment mode. ii) The EMD amount should be the exact amount and no excess or less amount should be transferred through online payment gateway. If excess or short, the tender status will be shown as invalid.
(b) PEMD	**Rs.20,00,000/-** (Rupees Twenty Lakhs only)
(c) Bank Guarantee	Bank Guarantee for the above amount valid for One year.
(d) EMD Exemption	SSI units located **within the State of Tamil Nadu** are eligible for exemption of EMD against submission of documents as detailed in Section-II.

7) Tender document download start date and time	02.04.25 @ 17.00 Hrs.
8) Clarification start date and time	02.04.25 @ 18.00 Hrs.
9) E-tender submission start date and time	03.04.25 @ 11.00 Hrs.
10) Clarification end date and time	19.04.25 @ 15.00 Hrs.
11)Tender document download end date and time	02.05.25 @ 14.00 Hrs.
12) E-tender submission end date and time	02.05.25 @ 14.00 Hrs.
13)Date & time of opening of E-tender Part-I	03.05.25 @ 15.00 Hrs.
14) E-tender documents are available at	TANTRANSCO web site (**www.tantransco.gov.in**) and TN Govt. Website (**www.tenders.tn.gov.in) & e-portal** (**https://tntenders.gov.in/nicgep/app**.)
15)Documents to be uploaded by the Tenderers during online submission of e-tender	Techno commercial bid, Price bid (filled up format) (BOQ) and technical and financial documents as mentioned in Section -I (Check List). Schedules B to K and Annexure I, II, III & IV and other documents whichever is applicable.
16)Clarification to be sought for from (By E.mail only)	The Chief Engineer/Transmission, TANTRANSCO Ltd, 5th Floor, TANTRANSCO HEADQUARTERS, No:144, Anna Salai, Chennai – 2. i) **cetr@tnebnet.org** ii) **setr2@tnebnet.org**
17)Place at which tenders will be Opened	Office of the Superintending Engineer/ Transmission II TANTRANSCO Ltd, 5th floor, Northern wing, No:144, Anna salai, Chennai – 600 002.

NOTE :

1. In the event of the specified date of opening of bids being declared holiday, the bid shall be opened on the next working day at the same time and venue.

2. Bid document can be downloaded free of cost online through the website http://tntenders.gov.in/nicgep/app only by those contractors, who are having valid Digital Signature Certificate and the bid document cannot be purchased from the Office of the Chief Engineer by remitting the cash in the office of the Chief Engineer and no pre request for issue of bid document will be entertained in the Office of the Chief Engineer.

3. The Contractors who had downloaded the Bid document from the website shall submit the Bid through NIC Website before the scheduled time of submission. The electronic bidding systems would not allow any late submission of bids. (No bid document is to be sealed and brought to the office of the Chief Engineer for placing in Tender Box)

4. The Tenderers shall ensure whether any Clarification/Amendment is issued to the Specification, before submission of their Tender, by visiting the respective Website.

5. For other details refer Section –V, "Instruction to Tenderers" in the tender document.

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SPECIFICATION NO. T- 2315

DESCRIPTION

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SCHEDULE - B : SCHEDULE OF MATERIALS AND DELIVERY PERIOD

SCHEDULE - C1 : DEVIATION FROM TECHNICAL SPECIFICATION

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SECTION – I

CHECK LIST

Bidders are requested to duly fill in the Check list. This Check list gives only certain important items to facilitate the Bidder to make sure that the necessary data/information as called for in the tender document has been uploaded by them along with their offer. This, however, does not relieve the bidder of his responsibilities to make sure that his offer is otherwise complete in all respects.

Please ensure compliance and answer Yes/No against the following points:

S. No	PARTICULARS OF DOCUMENT	SUBMITTED (YES/NO)	PAGE.NO (IF YES)
1.(a) (b)	Proof for payment of EMD (Copy of Bank Guarantee/PEMD) If 'NO', Proof of **SSI within TamilNadu** along with undertaking in lieu of EMD as in 3 (x) below.		
2.	Documentary evidences for BQR stipulated in section III: I. a). Supply b). Performance II. Annual Turn Over III. Type test		
3.	Other documents: i) Guaranteed Technical Particulars- Annexure-I ii) Check list for Bid Qualification- Annexure-II iii) Check list for Commercial terms- Annexure-III iv) Check list for Technical terms- Annexure-IV v) Schedule of Prices – Schedule-A vi) Schedule of materials and Delivery period-Schedule-B		

	vii) Deviation from Technical Specification – Schedule-C1 viii) Deviation from Commercial Specification – Schedule-C2 ix) Statement of supply orders executed/ Under execution - Schedule-D x) Declaration form - Schedule-E xi) Undertaking in lieu of EMD - Schedule F xii) Type test particulars – Schedule G (TEST DONE WITHIN 5 YEARS AS ON DATE OF TENDER OPENING) xiii)Undertaking towards jurisdiction for legal proceedings - Schedule-H xiv)Undertaking towards Input Tax Credit - Schedule-I xv) Bank Guarantee in Lieu Of Earnest Money Deposit –Schedule J xvi) Declaration Pursuant to Section 206AB – Schedule K		

Place: **Signature:**
Date: **Designation:**
Company seal:

SECTION II

EARNEST MONEY DEPOSIT

1) Tenderer should pay the specified amount towards Earnest Money Deposit, as follows:

Earnest Money Deposit: **Rs.17,700/-**
(Rupees Seventeen thousand seven hundered only)

2) **Mode of Payment: through "ONLINE ONLY"**

i. The online payment Gateway has been enabled for TANTRANSCO in TN Tenders portal (www.tntenders.gov.in). All the payments for the tenders like EMD will be carried out by the Bidders only through online payment mode.

ii. The EMD amount should be the exact amount and no excess or less amount should be transferred through **online payment gateway**. If excess or short, the tender status will be shown as invalid.

EMD Exemption:

If submitting EMD as BG/PEMD/Udayam (SSI units within TamilNadu) (as mentioned in the specification), then select the exempted from EMD payment as "YES". Then upload the EMD exemption documents only in "pdf/jpg" files.

Tenderer should furnish an irrevocable Bank Guarantee for the specified EMD amount with a validity for a period of one year, obtained from the Nationalized Bank as per the format enclosed in Schedule-I.

The scanned copy of the BG shall be uploaded in the EMD document.

The hard copy i.e the original Bank Guarantee as uploaded in the E-tender is to be submitted to the O/o Chief Engineer/Transmission immediately on tender opening.

Any other mode of payment of EMD other than online/irrevocable Bank Guarantee/PEMD from a Nationalized bank shall not be accepted towards EMD and the tenders shall be rejected if EMD is not paid in the prescribed manner.

3) (a) The PEMD holder for Rs.20,00,000/- or above with TANTRANSCO at Head quarters are eligible to participate in this tender.

(b) Scanned copy of proof of PEMD shall be uploaded.

c) (i) Micro and Small Enterprises located within the State of Tamil Nadu are exempted from payment of Earnest Money Deposit against the production of a copy of 'Udyam Registration Certificate' or any other valid registration certificate/ proof as notified by the Government of India.The Small Scale Industrial units located within the State and Registered with the Tamil Nadu Small Industries Development Corporation or the

National Small Industries Corporation ,Department of the Government of Tamil Nadu and Undertakings and Corporations owned by Government of Tamil Nadu, Labour Contract Co-operative Societies, Tiny Industries classified under SSI registered with the State of Tamil Nadu and Registration Certificate issued by Department of Industries and Commerce/Government of Tamil Nadu,are the only categories of Institutions/Industries exempted from the payment of Earnest Money Deposit. **The SSI units located outside the State of TamilNadu are not eligible for exemption from payment of EMD** in TANTRANSCO tenders against Udyam Registration Certificate even though registered in Udyam Portal for tendered items.

(ii) Those tenderers who are exempted from payment of EMD shall upload a scanned copy of an undertaking in lieu of EMD in a Non-judicial Stamp paper of value not less than Rs.500/- (Rupees Five Hundred only) in the form as per Schedule-F to the effect to pay as penalty an amount equivalent to EMD in the event of non-fulfillment or non-observance of any of the conditions stipulated in the contract consequent to such breach of contract. The State Government, Public Sector Undertakings who are exempted from payment of EMD, should also pay as penalty an amount equivalent to the amount fixed as EMD in the event of non-fulfillment or non-observance of any of the conditions stipulated in the contract.

The original proof (Undertaking in lieu of EMD) shall be furnished within 1 week, on demand from TANTRANSCO at a later date.

(iii) Small Scale Industries registered within the State of Tamil Nadu shall enclose duly attested Photostat copy of their Registration Certificate showing the subject materials specifying capacity which they are permitted to manufacture and the period of validity of the certificate as proof of eligibility for exemption from payment of EMD.

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

(a) 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;

(b) 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

(c) 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.

B. 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 purpose of classification.

A certificate from Chartered Accountant shall be furnished 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.

C. Calculation of Investment:

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.

D. Registration of existing enterprises:

An enterprise registered with any other organisation under the Ministry of Micro, Small and Medium Enterprises shall register itself under Udyam Registration.

(iv) The prospective bidders shall furnish the audited attested copy of Profit and Loss Account, Balance sheet with the value of Plant & Machinery, along with the proof for exemption from payment of EMD in order to ensure the SSI status of the firm.

All SSI units **within the state of Tamil Nadu** shall furnish the above audited attested copy of Profit and Loss Account, Balance sheet with the value of Plant & Machinery, along with the proof for exemption from payment of EMD. **If not furnished along with undertaking, the tenders will not be evaluated**. In case the investment held by them in Plant and Machinery as per their financial statement of Accounts exceeds Rs.5 Crores, the General Manager, District Industries Centre concerned shall be requested to verify the SSI status of the firm. Till receipt of

confirmation from General Manager, District Industries Centre concerned the exemption from paying EMD for SSI units shall not be extended.

4) <u>Conditions for Liable for rejection of bids:</u>

a) TENDERS RECEIVED WITHOUT THIS UNDERTAKING WILL BE DISQUALIFIED.

b) Tender will be rejected if the undertaking is not signed/ authenticated in all pages of undertaking.

c) Signature of 2 Nos. witnesses should be affixed at the end of undertaking along with details of name and address.

d) The tenderers shall upload the scanned copy of 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.

e) Others viz. Central and other State Government Departments/ Undertakings and Corporations other than those in Tamil Nadu shall have to pay Earnest Money Deposit.

PEMD holders are requested to choose the option "Exempted from EMD", in the NIC portal while proceeding with the online submission of bid. **It may be noted that exemption of payment of EMD is meant for SSI holders located within State of Tamil Nadu only.**

5) The EMD will not carry any interest.

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

7) i). The Earnest Money Deposit made by the Tenderer will be forfeited 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 docum4ents contain false particulars; the EMD paid by the tenderer will be forfeited in addition to blacklisting them for future tenders/contracts in TANTRANSCO.

g) If the tenderer participated with the proof for PEMD backs out, an amount equivalent to EMD for this tender will be forfeited.

ii). EMD of unsuccessful bidders will be refunded from the common pool account.

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

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SECTION-III

BID QUALIFICATION REQUIREMENTS

The Bidders shall become eligible to bid on satisfying the following Bid Qualification Requirements and uploading of the required documentary evidences. (SCANNED COPIES)

1) Only the Bidders who have manufactured and supplied a Panel to any of SEBs/Public Power Utilities/Private Power Utilities are eligible for submitting bids. Necessary documentary evidence shall be furnished for all the above. If the bids are received through consortium, the same will not be considered and the bids will be rejected. Tenders received from Agents / Dealers will not be considered.

2) The Panel should have been in satisfactory operation for a minimum period of one year. Necessary documentary evidence for the performance certificate from the end users for the **corresponding Purchase Orders** enclosed for satisfactory execution of the contract and performance of the Panel supplied shall be furnished, along with the bid document.

3) Annual Turn Over of the Bidder shall be more than **Rs.5,23,000/- (Rupees Five Lakhs Twenty three thousand only)** in any one of the three preceding financial years (i.e) 2021-2022 , 2022-2023 and 2023-2024.

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 preceding 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.

In case of bidders who happen to be the companies registered under companies Act-1956, attested copy of Audited financial statements like, Profit and Loss A/c and Balance Sheet for the immediately preceding 3 years may be furnished and in case of others, the Annual turnover certified by the practicing Charted Accountant or attested copy of Income Tax statements for all the 3 years may be enclosed as documentary proof.

4) Type Test Reports as stipulated in the Technical specification for the Cubicle of the Panel as conforming to relevant IS/IEC Standards of latest issue shall be furnished along with the offer.

The Type Test Reports furnished should have been issued by Government or Government Recognized Lab or NABL Accredited Standard Laboratories. The above Type test should have been conducted within 5 years as on the date of tender opening.

DOCUMENTARY PROOF/EVIDENCE IN SUPPORT OF THE BQR CONDITIONS MENTIONED ABOVE SHOULD BE ENCLOSED.

NOTE: The offer of the bidders who have stated to be previous suppliers to TNEB/TANTRANSCO/TANGEDCO will be considered for further evaluation, even though they have not enclosed copies of Purchase orders or End user certificate etc., after ensuring with concerned 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 OFFERS OF BIDDERS NOT SATISFYING THE ABOVE "BID QUALIFICATION REQUIREMENTS" WILL BE SUMMARILY REJECTED.

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SECTION – IV

REJECTION OF TENDERS

1. Tenders will be SUMMARILY rejected if

1.1. The EMD requirements are not complied with.

1.2. Not satisfying any of Bid Qualification Requirements.

1.3. If the documents furnished with the offer is found to be bogus or the documents contains any false particulars.

1.4. The Tenderers should quote minimum quantity of 20% of tendered quantity. The offer of bidders who have quoted for lesser quantity than the minimum quantity prescribed shall be summarily rejected. In the event of floating tender for procurement of more items of similar materials of various sizes or ratio etc., the cumulative 20% of the aggregate quantity of various items shall be considered for arriving at minimum quantity.

1.5. The undertaking in lieu of EMD should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be **REJECTED.**

1.6. If the BOQ file is found to be modified by the bidder, the bid will be **SUMMARILY REJECTED.**

2. Tender is LIABLE to be rejected, if it is:

2.1. not covering the supply of equipments/materials with all accessories.

2.2. with validity period less than that stipulated in this specification.

2.3. not in conformity with TANTRANSCO's Commercial terms and Technical Specifications (Section - VI & VII).

2.4. not signed properly by the tenderer.

2.5. received from a Tenderer who is directly or indirectly connected with Government service or Board/TANTRANSCO Service or services of local authority.

2.6. from any black listed Firm or Contractor.

2.7. received by Telex/E-Mail/FAX.

2.8. from a tenderer whose past performance/Vendor rating is not satisfactory

2.9. not containing all required particulars as per Schedule - A to K.

2.10. Received from any joint venture of firms/ companies/ individual or consortium of firms/companies/individual.

2.11. received from consortium of SSI units.

2.12. Not furnished **GSTIN** number of the tenderer in the offer.

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SECTION – V
INSTRUCTIONS TO TENDERERS

A) 1.0. SCOPE OF SUPPLY:

1.1. The scope of supply of the material (described in Schedule-A) includes design, manufacture, inspection, testing, packing, forwarding and delivery of the materials detailed herein, at TANTRANSCO GCC stores anywhere in Tamil Nadu.

1.2. Rate contract shall be finalized for a period of one year from the date of award of contract.

1.3. Tenders should quote minimum quantity of 20% of tendered quantity. The offer of bidders who have quoted for lesser quantity than the minimum quantity prescribed shall be **summarily rejected**. In the event of floating tender for procurement of more items of similar materials of various sizes or ratio etc., the cumulative 20% of the aggregate quantity of various items shall be considered for arriving at minimum quantity.

1.4 The quantity indicated in schedule of requirement is approximate. The indent will be placed subsequently as and when there is requirement, upto the last date of validity of rate contract. The quantity finally ordered may vary to the extent of 25 % either way of the approximate quantity indicated in the Schedule of requirement. The purchaser reserves the right to issue any number of indents for supply of materials during the rate contract period.

2.0. INSTRUCTIONS FOR ONLINE BID SUBMISSION:

The bidding under this contract is electronic bid submission though website https://tntenders.gov.in/nicgep/app only. Detailed guidelines for viewing bids and submission of online bids are given on the website. Any citizens or prospective bidders can log on to this website and view the invitation for Bids and can view the details of works for which bids are invited.

3.0. REGISTRATION:

1) The prospective bidders can submit bids online. However, the bidders are required to have enrolment/registration in the website by clicking on the link "Online bidder enrolment" which is free of charge.
2) As part of the enrolment process, the bidders are required to choose a unique username and assign a password for their accounts.
3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These details would be used for any communication from the e-Portal.
4) Upon enrolment, the bidders are required to register their valid Digital Signature Certificate (DSC) (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.

5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
6) Bidder then can login to the site through the secured login by entering their user ID / password and the password of the DSC / e-Token.

4.0. SEARCHING FOR TENDER DOCUMENTS

1) There are various search options built in the Website, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc.
2) Once the bidders have selected the tenders they are interested in, they may download the required documents/tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the Tamil Nadu Govt. e-Procurement Portal, to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

5.0. PREPARATION OF BIDS

1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2) Bidders are requested to go through the NIT and the tender document carefully, to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My space or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.
5) The completed bid comprising scanned copy of the proof for the payment of EMD and necessary technical and commercial documents should be uploaded on the website along with signed and scanned copies of requisite certificates as are mentioned in the different sections in the tender document.

6.0. ELECTRONIC SUBMISSION OF BIDS:

The bidder shall submit online the requirements under qualification criteria and Technical Documents required and Price Schedule/BOQ.

(a) All the scanned documents of bidder which are uploaded shall be duly signed by the bidders and affixed with firm's seal.

(b) Person who is submitting the bid shall indicate his position in the firm,

(c) All the documents are required to be signed digitally by the bidder.

d) After electronic online bid submission, the system generates a unique bid reference number which is time stamped. This shall be treated as acknowledgement of bid submission.

Procedure for submission of bids:

1) Bidder should log into the site well in advance for bid submission so that he/she can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3) Bidder has to select the payment option as **"online"** to pay the EMD amount .
4) The scanned copy of Undertaking in lieu of EMD has to be uploaded. The details of undertaking in lieu of EMD, as the case may be, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be **summarily REJECTED**.
5) A BOQ format for the price bid has been provided with the tender document and to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the BOQ format provided and **no other format is acceptable**. Bidders are required to download the BOQ file, open it and complete the coloured (Unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the file name. If the BOQ file is found to be modified by the bidder, **the bid will be SUMMARILY REJECTED**.
6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys.
8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
9) Upon the successful and timely submission of bids, (i.e. after clicking "Freeze Bid submission" in the portal) the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.
11) Department or Service Provider is not responsible for any failure such as a bad internet connection or power failure outside of their control. The bidder is responsible to ensure they have sufficient time to submit an electronic bid prior to closing date and time including the payment of any fees including the Bid security and getting e-receipt. In case of a failure in the system within the control of the service provider that may affect a bidding process, the contracting authority on his sole discretion will postpone the closing time at least 24 hours from the time of system recovery to allow bidders sufficient time to submit their bids.
12) The TANTRANSCO may, at its discretion, extend the deadline for the submission of bids by amending the bidding document, in which case all rights and obligations of TANTRANSCO and bidders subject to the previous deadline shall thereafter be subject to the deadline extended.
13) The original proof of payment of EMD/Undertaking in lieu of EMD/Undertaking towards Input Tax Credit or any other documents shall be furnished within 1 week on receipt of demand from TANTRANSCO. Failure to furnish the documents as called

for will entail the bid to be treated as non-responsive bid and such offers will be **summarily rejected**.

Late Bids:

The Electronic bidding system would not allow any late submission of bids after due date and time as per server time.

Modification and withdrawal of bids:

1) Bidders may modify their bids online before the deadline for submission of bids.

2) In case a bidder intends to modify his bid online before the deadline, the bidder need not make any additional payment towards the cost of bid processing. For bid modification and consequential re-submission, the bidder is not required to withdraw his bid submitted earlier. Modification and consequential re-submission of bids is allowed any number of times. The last modified bid submitted by the bidder within the bid submission time shall be considered as the bid. For this purpose, modification/withdrawal by other means will not be accepted. The bidder may withdraw his bid by uploading his request before the deadline for submission of bids. However, if the bid is withdrawn, the re-submission of the bid is not allowed.

3) No bid may be modified after the deadline for submission of Bids.

ASSISTANCE TO BIDDERS:

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

2. Any queries relating to the process of online bid submission or queries relating to Tenders TamilNadu Portal in general may be directed to the 24X7 Tenders TamilNadu Portal Helpdesk.

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B. GENERAL INSTRUCTIONS TO TENDERERS

1.0. Tenderers are invited from Domestic Bidders only.

2.0. E-tenders shall be prepared and submitted strictly in accordance with the Instructions set forth herein. THE TENDERERS WHO DO NOT FULFILL THE "BID QUALIFICATION REQUIREMENTS" AS PER SECTION-III NEED NOT PARTICIPATE IN THE TENDER. OFFERS NOT SATISFYING THE "BID QUALIFICAION REQUIREMENTS" WILL BE SUMMARITY REJECTED.

3.0. The Tenderers shall upload the scanned copy of PAN card, GST number and other relevant documents without fail.

4.0. SUBMISSION OF TENDER OFFER:

The Tenderer is expected to examine carefully all instructions detailed in the Specification and then to upload the scanned copy of proof for payment of EMD, all the required documents and BOQ without any omissions.

5.0. TWO PART TENDER:

5.1. The e-Tender shall be in Two Part as detailed below.

i) Part I shall contain:

(a) Proof for payment of EMD / Exemption from payment of EMD,

(b) All required technical and commercial documents including documentary evidences to satisfy the Bid Qualification Requirement

ii) Part II shall contain the PRICE BID (BOQ) only.

5.2. If the tenderer finds any ambiguity in any of the terms and conditions stipulated in this specification, he shall get it clarified from the Chief Engineer/Transmission, 5th floor, TANTRANSCO HEADQUARTERS, No.144, Anna Salai, Chennai - 600 002. If this is not done and subsequent to the opening of the tenders, it is found that the doubt, about the meaning or ambiguity in the interpretation, if any of the terms and conditions stipulated in the specification are raised by the tenderer either in this tender or by a separate letter, the interpretation or clarification issued by the Chief Engineer/ Transmission, Tamil Nadu Transmission Corporation Limited, Chennai-2 on such terms and conditions shall be final and binding on the tenderer.

5.3. The tender documents submitted shall be serially numbered.

5.4. All information in the tender offer shall be in ENGLISH only. All tender offers shall be prepared by typing or printing in the formats enclosed with the specifications. All information in the tender offer shall be in ENGLISH only. It shall not contain interlineations, erasures or over writings except as necessary to correct errors made by the tenderer. Such erasures or other changes in the tender document shall be attested by the person signing the tender offer.

5.5. The tender offer shall contain full information asked for in the accompanying schedules and elsewhere in the specification.

5.6. Tenderer shall bear all costs associated with the preparation and uploading of bid and the PURCHASER will in no case be responsible or liable for these costs.

5.7. No offer shall be withdrawn by the tenderer in the interval between the deadline for submission and the expiry of the period of validity specified/extended validity of the tender offer.

5.8. The tenderers are requested to furnish the exact location of the Registered Offices with detailed postal address and Pin code, Telephone and Fax nos. etc., in their tender so as to arrange inspection by the TANTRANSCO, if considered necessary.

5.9. Telex/Fax/E-Mail offers will not be entertained and will be rejected.

5.10. ONLY MANUFACTURERS MUST QUOTE. Tenders received from Agents / Dealers will not be considered.

6.0. OPENING OF BID:

6.1. The Tender Opening Authorities will open all the Bids received, online at scheduled date and time and this could be viewed by bidders online on 03.05.25 at 15.00 Hrs. In the event of the specified date of Bid Opening being declared a holiday for the Tender Inviting Authority, the bids will be opened at the appointed time and location on the next working day.

6.2. In all cases, the amount of bid security and validity of the bid shall be scrutinized. Receipt of original instrument of bid security shall be confirmed by the Tender Inviting Authority. Thereafter, the bidders' names and such other details as the Tender Inviting Authority may consider appropriate, will be recorded as bid opening summary and the same will be uploaded on the e-procurement portal.

6.3. The Bidders' names, the Bid prices, the total amount of each Bid, Bid modifications and withdrawals, the presence or absence of Bid security, and such other details as the Tender Inviting Authority may consider appropriate, will be recorded as bid opening summary and uploaded by the Tender Inviting Authority on the e-procurement portal. No bid shall be rejected at bid opening. Any bid price, which is not submitted through the e-procurement system, will not be taken into account in Bid Evaluation.

6.4. The Tender Opening Authority shall prepare minutes of the Bid opening, including the information disclosed to those present in accordance with the above Sub-clause 6.3 and upload the same for viewing online.

6.5. The duly authorized representatives of the tenderers who are present shall sign the tender opening register.

7.0. PROCESS TO BE CONFIDENTIAL:

7.1. Information relating to the examination, clarification, evaluation, and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award to the successful Bidder has been announced. Any effort by a Bidder to influence the

Tender Inviting Authority's processing of Bids or award decisions may result in the rejection of his Bid.

8.0. CLARIFICATION OF BIDS:

8.1. To assist in the examination, evaluation, and comparison of Bids, the Tender Inviting Authority may, at his discretion, ask any Bidder for clarification of his Bid, including breakdowns of the unit rates. The request for clarification and the response shall be by e.mail, but no change in the price or substance of the Bid shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Tender Inviting Authority in the evaluation of the Bid in accordance with Clause 11.

8.2. Subject to sub-clause 8.1, no Bidder shall contact the Tender Inviting Authority on any matter relating to his bid from the time of the bid opening to the time of the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Tender Inviting Authority, he should do so in writing or e.mail.

8.3. Any effort by the Bidder to influence the Tender Inviting Authority in the bid evaluation, bid comparison or contract award decisions may result in the rejection of the Bidder's bid.

8.4. The TANTRANSCO will examine the tender offers to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and whether the offers are generally in order.

8.5. Prior to the detailed evaluation, the TANTRANSCO will determine the substantial responsiveness of each offer to the Bidding Documents.

8.6. "Attempt by any tenderer to bring to bear extraneous pressure on the tender accepting authority shall be the sufficient reason to disqualify the offer of the tenderer".

8.7. The Tender offers shall be deemed to be under consideration immediately after they are opened and until such time official intimation of award/rejection is made by the TANTRANSCO to the tenderers. While the offers are under consideration, tenderers, and/or their representatives or other interested parties are advised to refrain from contacting by any means, the TANTRANSCO and/or TANTRANSCO's employees/representatives on matters related to the offers under consideration.

8.8. Mere submission of any Tender offer connected with these documents and Specification shall not constitute any agreement. The tenderer shall have no cause of action or claim, against the TANTRANSCO for rejection of his offer. The TANTRANSCO shall always be at liberty to reject or accept any offer or offers at its sole discretion and any such action will not be called into question and the tenderer shall have no claim in that regard against the TANTRANSCO.

9.0. EXAMINATION OF BIDS AND DETERMINATION OF RESPONSIVENESS:

9.1. Prior to the detailed evaluation of Bids, TANTRANSCO will determine whether each Bid (a) meets the eligibility criteria, (b) has been properly signed, (c) is accompanied by the required securities and documents and (d) is substantially responsive to the requirements of the Bidding documents.

9.2. A substantially responsive Bid is one which conforms to all the terms, conditions and specifications of the Bidding document, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the works; (b) which limits in any substantial way, inconsistent with the Bidding documents, the TANTRANSCO's rights or the Bidder's obligations under the Contract; or **(c)** Whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

10.0. CURRENCY FOR BID EVALUATION:

The Currency of the bid is in Indian Rupees.

11.0. EVALUATION AND COMPARISON OF BIDS:

11.1. For the purpose of evaluation, the provisions of Tamilnadu Transparency in Tenders Act 1998 & Tamilnadu Transparency in Tender Rules 2000 and subsequent amendments thereof are applicable to this tender.

11.2. The Tender Inviting Authority will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause 9.

11.3. The tender offers received and accepted will be examined to determine whether they are in complete shape, all data required have been furnished, the tender offer is properly signed and the offers are generally in order and the tender offer conforms to all the terms and conditions of the specification without any deviation.

11.4. For the purpose of evaluation of the tender offers, the following factors will be taken into account:

a) The rate of CGST, SGST, and IGST as applicable both in percentage and amount shall be indicated in the offer along with HSN code.

b) The evaluated price shall be arrived in compliance with the provisions of GST on the Transaction value i.e. (Ex works price + Freight and Insurance) + GST. Import of goods would be treated as inter state supplies and would be subject to IGST in addition to applicable customs duty.

c) Since GST is enacted wherein all taxes & duties are subsumed, price evaluation shall be inclusive of applicable GST in all cases, i.e. even if the bidders are only within the State or outside the State or bidders are within the State and outside TN.

d) In determining the lowest evaluated price the following factors will be considered.

(i) the quoted price will be corrected for arithmetical errors.

(ii) In case of discrepancy between the price quoted in words and figures, lower of the two shall be considered.

e) The rates quoted by the eligible lowest tenderer in the open tender Rate Contract Scheme will be compared with the prevailing market rate

and the rates of previous period and if the Tender Accepting Authority is of the view that the quoted rates are too high, the rates will be negotiated and the rate will be determined. All eligible bidders who accept the rate will be enlisted.

11.4.1. The unit FOR (D) value of each Panel will be arrived and evaluation will be carried out as detailed above. From these arrived rates, the lowest offer (L1 Tenderer) will be arrived. **Evaluation for each type of Panel will be done separately.**

11.5. EVALUATION AND AWARD OF TENDERS IN SPECIAL CASES:

Procurement in Special Cases-

11.5.1 In the case of purchase of goods where the quantity offered at the lowest price is less than the total quantity required, the Tender Accepting Authority may, after placing orders with the lowest evaluated tenderer for the entire quantity offered by such tenderer subject to his ability to supply, adopt either or both of the following procedures to procure the balance quantity.-

11.5.2.a Negotiate with the next lowest tenderers in strict ascending order of evaluated price and require them to match the price offered by the lowest evaluated tenderer and place orders until the entire quantity required is ordered;

or

11.5.2.b Require all the other eligible tenderers who participated in the tender and offered a price higher than that offered by the lowest evaluated tenderer, to submit sealed offers of the quantity they would be willing to supply at the price quoted by the lowest evaluated tenderer, and thereafter place orders for the remaining required quantity with all those who match the lowest evaluated price such that those who bid lower prices in the original tender get a higher priority for supply.

11.5.3.a In case the bidders other than the lowest evaluated bidder fail to agree to accept the lowest price or the total quantity offered by them at the price quoted by the tenderer with lowest evaluated price is less than the required quantity, the Tender Accepting Authority may place orders for remaining required quantity at different rates with different suppliers in the ascending order of evaluated price until the entire quantity required is covered:

11.5.3.b Provided that, where different quantities have to be procured at more than one price from one or more tenderers, the Tender Accepting Authority may decide not to procure beyond a price considered economical although the entire quantity originally stated to be required in the tender documents is not ordered.

11.5.4. In cases where, the Tender Accepting Authority such as Tamil Nadu Electricity Board, Tamil Nadu Civil Supplies Corporation, Project Director, Integrated Child Development Scheme (ICDS) [and Tamil Nadu State Transport Corporations] is of the view that the commodity to be purchased is so vital in nature and the failure in supply would affect the public interest and that it is necessary to have more than one supplier, the Authority may place orders on the tenderer quoting the lowest evaluated price for not less than 60% of the quantity covered in the tender at the price quoted by him and place orders for the remaining quantity on the tenderers quoting the next lowest evaluated prices at the lowest evaluated price and shall specify this in the tender documents.

12.0. PURCHASE PREFERENCE:

12.1. Purchase preference may be extended to the Domestic enterprises, Government departments, Public Sector Undertakings, Statutory Boards and other similar institutions as per the provisions in 30-A & 30-B of Tamil Nadu Transparency in Tender Rules 2000 as detailed below.

12.2. PURCHASE PREFERENCE TO DOMESTIC ENTERPRISES:

In case of procurement of goods or services, where it is possible for the procuring entity to divide the award of tenders to more than one supplier or service provider, the tender document shall clearly indicate that upto twenty five percent of the total requirement in the procurement may be awarded to domestic enterprise, not being the lowest tender, in respect of only goods manufactured or produced or services provided or rendered by them, if the following conditions are satisfied:-

(a) the lowest tender is not a domestic enterprise;

(b) the preferential award shall extend only to the lowest tender among the domestic enterprises who are substantially responsive and technically qualified; and

(c) Such domestic enterprise is willing to match the price of the lowest tender.

12.3. PURCHASE PREFERENCE TO GOVERNMENT DEPARTMENTS, PUBLIC SECTOR UNDERTAKINGS, STATUTORY BOARDS AND OTHER SIMILAR INSTITUTIONS:

In case of procurement of goods or services, where it is possible for the procuring entity to divide the award of tenders to more than one supplier or service provider, the tender document shall clearly indicate that upto forty percent of the total requirement in the procurement may be awarded to Government departments, Public Sector Undertakings, Statutory Boards and other similar institutions as may be notified by the Government, in respect of only of goods manufactured or produced or services provided or rendered by them, if such tenderer is willing to match the price of the lowest tender."

12.4. In case of a single procurement, the total procurement under the above two provisions shall not exceed forty percent of the total requirement in that procurement.

12.0. VALIDITY:

12.1. The tender offer shall be kept valid for acceptance for a **period of 180 days from the date of opening of offers**. The offers with lower validity period are liable for rejection.

12.2. Further, the tenderer shall agree to extend the validity of the Bids without altering the substance, and prices of their Bid for further periods, if any required by the TANTRANSCO.

13.0. RIGHTS OF THE TANTRANSCO:

Notwithstanding anything contained in this specification the TANTRANSCO reserves the right to:

a. accept the lowest or any other tender,

b. revise the quantities at the time of placing of orders. TANTRANSCO

reserves the right to release additional quantity order on or before the last date of validity of Annual Rate Contract order subject to ensuring that there is no declining trend in price of equipments/materials without getting specific concurrence from the supplier.

c. reject any or all the tenders or cancel without assigning any reasons thereof,

d. to split the Tender Quantity and place orders on one or more than one Firm to meet the delivery requirements.

e. to relax or waive or amend any of the conditions stipulated in the tender specification wherever deemed necessary in the interest of the TANTRANSCO.

f. Recover losses if any sustained by TANTRANSCO, from the supplier who pleads his inability to supply, and backs out of his obligation after award of contract. The Security Deposit paid shall be forfeited.

g. to cancel the orders for not keeping up the execution/delivery schedule.

h. In the event of the documents furnished with the offer being found to be bogus or the documents contain false particulars, the EMD paid by the tenderers will be forfeited in addition to blacklisting them for future tenders/contracts in TANTRANSCO.

i. After negotiation with the tenderer and before passing the order accepting a tender, if the tender accepting authority decides that the price quoted by such tenderer is high, the tender is liable for rejection.

14.0. DEVIATIONS:

14.1. The tenderer shall furnish, if there are any deviations in the Commercial and Technical terms in the Schedule – C1 and C2 Annexed. **Deviations mentioned elsewhere will not be considered.** If deviations are not furnished, it will be construed that the tenderer is accepting all terms specified in the specification. Similarly if any deviations are furnished in the Schedules- C1 and C2, it will be construed that these are the only deviations and the tenderer is accepting all other terms of the specification and the offer will be taken for evaluation accordingly.

14.2. THE OFFERS OF THE TENDERERS WITH DEVIATIONS IN COMMERCIAL TERMS OF THE TENDER WHICH COULD NOT BE ACCEPTED WILL BE REJECTED.

14.3. NO ALTERNATIVE OFFER WILL BE ACCEPTED.

15.0. APPEAL :

Any tenderer aggrieved by the order passed by the Tender Accepting Authority under Section-10 of the Tamil Nadu Transparency in Tenders Act 1998 may prefer an appeal to Government within 10 (Ten) days from the date of receipt of order.

16.0. BAR ON JURISDICTION :

Save as otherwise provided in the Tamil Nadu Transparency in Tenders Act, 1998 no order passed or proceedings taken by any officer or authority under this Act shall be called in question in any court and no injunction shall be granted by any court in respect of any action taken or to be taken by such officer or authority in pursuance of any power conferred by or under this Act.

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SECTION : VI

COMMERCIAL

1.0. SCOPE:

1.1 The scope of supply includes manufacture, inspection, testing, packing, forwarding, insuring and delivery of the Equipments detailed herein, at our GCC stores anywhere in Tamil Nadu.

2.0. PERIOD OF CONTRACT & PLACING OF ORDERS ON RATE CONTRACT:

2.1. The period of rate contract is for one year from the date of award of contract. The TANTRANSCO reserves the right to split and place orders for the above items on different tenderers. The 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. It is not binding on the TANTRANSCO to accept the lowest or any tender.

2.2. The award of contract will be issued to the successful tenderers with all TANTRANSCO's terms and conditions, duly indicating the approved unit rates. The approved rates will be FIRM and valid for one year from the date of receipt of the contract.

3.0. PRICE:

3.1. The Tenderers are requested to quote FIRM price only and variable price will not be accepted. The unit price for supply of goods shall remain valid during the entire period of one year from the date of award of Rate Contract.

3.2. The Tenderers shall quote the Ex-works price, Packing and Forwarding, Freight and Insurance charges **with applicable rate of GST** separately for delivery to TANTRANSCO GCC Stores anywhere in Tamil Nadu. A format for price is given in Schedule `A'.

3.3. It is the responsibility of the Tenderer to make sure about the correct rates of tax leviable on the materials at the time of tendering. If the rates assumed by the Tenderers are less than the current rates prevailing at the time of tendering, the TANTRANSCO will not be responsible for the mistake.

3.4. The tenderer should quote their rates taking into account the (Input Tax Credit (ITC) relief available to them on account of GST already paid. An Undertaking to this effect may be furnished along with the tender as per Schedule I enclosed to Specification. The tenderers shall upload a scanned copy of an Undertaking towards ITC in a Non-judicial Stamp paper of value not less than Rs.500/- (Rupees Five hundred only) in the form as per Schedule-I.

3.5. The successful tenderer shall give an undertaking to the effect that if lower prices are offered to anyone else during the period of one year from the date of order, the same benefit shall be passed on to TANTRANSCO.

4.0. GOODS AND SERVICES TAX [GST] :

4.1. 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.

4.2. The tenderers who opt for Composition Scheme shall submit the documentary evidence for having registered under Composition scheme and shall not claim GST in their Invoices.

4.3. The Goods and Services Tax will be paid extra as applicable. The amount of CGST, SGST, and IGST as applicable shall be indicated in percentage payable and amount separately in the tender offer.

4.4. The TANTRANSCO has been registered as a dealer under GST Act 2017 (Registration No. **33AADCT4780AFZA**). The GST Registration No of TANTRANSCO (for TDS) is 33CHET12024F1DI.

4.5. In case of delayed delivery, the GST rate prevailing on the date of actual delivery 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.

4.6. It is the responsibility of the tenderer to make sure about the correct rates of GST 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 rate prevailing at the time of tendering will only be paid.

4.7. Any increase in GST rate consequent to the suppliers coming into different slab during the execution of the contract shall have to be taken into account and the all inclusive firm price shall be quoted accordingly by the Tenderers. Any Variation in GST due to statutory Variation within the contract delivery date shall be considered by the TANTRANSCO Ltd.

4.9. GST @ 18% or as applicable from time to time will be applied and recovered on forfeiture of SD.

4.10. Tax Deducted at Source (TDS):

TDS on GST as applicable as per the rules in force, will be deducted on the taxable value.

4.11. TCS under Income Tax Act:

For purchase of goods of value (or) aggregate value exceeding Rs.50 lakhs in any previous year, shall, at the time of credit of such sum to the account of the seller (or) at the time of payment, whichever is earlier, shall deduct an amount equal to 0.1% of such sum exceeding Rs.50 Lakhs as TDS under Section-194Q of IT Act. The supplier of goods is required to furnish the PAN to TANTRANSCO for making the payment. In case the suppliers do not have PAN, TANTRANSCO is required to deduct tax at higher rate as per the provisions of section 206AA.

The provisions of this section shall not apply to the transactions on which tax is deductible under any other provisions of the Income Tax Act 1961 and also on the transactions in which Tax is collectible under the provisions of Section 206C.

On purchase of goods/materials, TANTRANSCO shall have the primary and foremost obligation to deduct Tax at source and no tax shall be collected on such transaction u/s.206C(1H). TDS u/s 194Q is also applicable on the Advance paid for purchase of goods.

In case of works contract wherein supply and erection portions are separable, the value of supply of goods exclusive of GST will be subject to deduction of TDS under section 194Q. On the other charges i.e.erection, testing, commissioning and maintenance charges, TDS under section 194C will apply and hence TDS u/s 194Q will not apply.

The above provisions comes into effect from 01.07.2021 onwards and hence no TCS under Section 206C(1H) has to be paid by TANTRANSCO on purchase of Goods. Accordingly, TANTRANSCO will deduct TDS under section 194Q on all the purchase of goods exceeding the threshold limit i.e. aggregate credit (or) payment exceeds Rs.50 Lakhs. It is mandatory for vendor to submit the declaration format in Schedule-K to determine the applicability of TDS rate u/s 206 AB.

In case any procurement of goods/materials are made by TANTRANSCO from overseas supplier and the payment is not taxable to the overseas supplier in India, the TDS under section 194Q will not apply.

4.12.Guidelines for releasing GST portion to suppliers / Contractors :-

It is the responsibility of the contractor to ensure that the document provided to the TANTRANSCO and the document filed with the GST department are the same and shall not be different in any reason whatsoever. Any differences in the invoice provided to the TANTRANSCO and filing with the GST Department shall viewed as violation in various statues or laws.

I) Tax Invoice:

The tax invoices shall be raised by all the GST registered suppliers/contractors and shall be raised as per the Chapter IV of the CGST Act, 2017, which deals with the time of supply of goods/services.

A) As per Section 31 :

Tax Invoice for goods, provides as below, A registered person supplying taxable goods shall, before or at the time of,

a. Removal of goods for supply to the recipient, where the supply involves movement of goods; or

b. Delivery of goods or making available thereof to the recipient. issue a tax invoice showing the description, quantity and value of goods the tax charged thereon and other such particulars as may be prescribed.

As per Section 12, the time of supply of goods shall be earlier of the following dates for discharge of the tax liability to the GST Department, namely:

a. The date of issue of invoice by the supplier or the last date on which he is required to issue invoice under section 31, to issue the invoice with respect to the supply. (or)

b. The date on which the supplier receive the payment with respect to the supply. (ommitted vide Notification No.66/2017 dated:15.11.2017)

Contents of Tax Invoice:

As per Rule 46, a tax invoice shall contain the following particulars namely

1. Name, address and GSTIN number of the supplier;
2. Consecutive serial number not exceeding 16 characters, and shall use only special characters "-" and "/" for a financial year.
3. Date of invoice
4. Name, address and if registered, GSTIN number of the recipient.
5. HSN Code for goods and services (6 digit code shall be used mandatorily)
6. Description of goods or services
7. Quantity and units in case of goods
8. Total value of the supply, taxable value of the goods or services, rate of tax, amount of tax charged, place of supply along with the name of the state (interstate), signature or digital signature of supplier or his authorised representative.
9. If its e-Invoice, then the QR code of the E-invoice and 64 digit IRN number to be mandatorily mentioned in the invoice.

III) Introduction of E-invoice:

Rule 48 to the GST Invoice Rules, 2017 lays downs the procedure and the manner of issuing a tax invoice. The invoices for the goods shall be issued in triplicate and the invoices for the services shall be issued in duplicate as per the rules and the original copy of the invoice shall be made available to the recipient.

As per rules 48(4) of the GST Invoices Rules, any invoice issued by the registered person having turnover as specified below from the notification date shall issue e-invoice duly registered with the E-invoice portal and shall make Invoice Registration Number (IRN) and QR code from the E-invoice portal on the invoice to make it a valid tax invoice.

S.No.	Notification No.	Effective Date	Turnover Limit (Rs. In crores)
1	Notification No.61/2020 and 73/2020 – Central Tax	01.10.2020	Exceeds 500 crores
2	Notification No. 88/2020– Central Tax	01.01.2021	Exceeds 100 crores
3	Notification No.05/2021 – Central Tax	01.04.2021	Exceeds 50 crores
4	Notification No.01/2022 – Central Tax	01.04.2022	Exceeds 20 crores
5	Notification No.17/2022 – Central Tax	01.10.2022	Exceeds 10 crores
6	Notification No.10/2023 – Central Tax	01.08.2023	Exceeds 5 crores

As per Rule 48(5) of the GST Invoice Rules, 2017, any invoice issued by the registered person shall not be treated as a valid tax invoice if he has not complied with the above rules having turnover as specified above from the effective date.

IV) Acceptance of the E-invoice from suppliers/contractors:

If the supplier/contractor is eligible for E-invoice, then he shall provide Einvoice complied tax invoice failing which the invoices shall never be accepted at the Circle End.

(i) In the case of supply of goods, the contractor shall issue e-invoice for the total value of the goods, including GST, at the time of admitting the first progressive payment (50% or 70%, as the case may be).
(ii)In the case of supply of services, the contractor shall issue e-invoice for the value of the services, alongwith GST, as per the value of the progressive payment (70% or 90%, as the case may be).

V) Reporting of E-invoices in IRP Portal:

As per the advisory of the GST portal, it has been informed that for any tax invoice raised, the e-invoice should be created in the Invoice Registry Portal (IRP) within 7 days for the tax payer with Aggregate Annual Turnover (AATO) of Rs.100 crores or more.
All the tax invoices are to be raised as E-invoice within 7 days from the date of invoice through GSTZen portal, failing which the system will not allow to create e-invoice, after the expiry of seven days.
The 7 days time limit for creation of e-invoice is applicable for tax invoice, credit note and debit note, all for which IRN is to be generated.

(VI) Adoption of GSTR2B return instead of GSTR2A:

The GSTR2A is a dynamic return. The suppliers/contractors who have raised an invoice on 1st January 2023 have to file the GSTR1 return by 11th February 2023. Upon filing such return, the register will be updated in the month of January month return itself for both GSTR2A as well as the GSTR2B register.

When the GSTR1 is not filed within the due date, but has been filed later after 11th of the subsequent month i.e. 14th February 2023, the invoice will be reflected in the January month GSTR2A but whereas the same invoice will be reflected in the February month GSTR2B, as the return has been filed after the due date.

Various scenarios during which the particular invoice filed by the supplier/contractor will be reflected in the GSTR2A vis-a-vis GSTR2B:

S .No.	Scenarios	Invoice reflection in GSTR2A Return month	Invoice reflection in GSTR2B Return month
1	Invoice dated 1st January reported in the January GSTR1 return within the due date. i.e. 11th February 2023	January GSTR 2A	January GSTR 2B
2	Invoice dated 1st January reported in the January GSTR1 Return after the due date i.e. 14th February 2023	January GSTR2A	February GSTR 2B
3	Invoice dated 1st January missed to report in the January GSTR1 Return, but reported in the February month return within the due date i.e. 11th March 2023	February GSTR2A	February GSTR 2B
4	Invoice dated 1st January missed to report in the January GSTR1 Return, but reported in the February month return after the due date i.e. 11th July 2023	February GSTR2A	June GSTR 2B if filed on or before 11th July. July GSTR2B if filed after 11th July.

From the above table, it is evident and clear that the GSTR2A is the return even when the supplier/contractor files the GSTR1 on the later date, the return in which the

invoice has been included and uploaded, that GSTR2A report has to be revised and updated in the TNEB Intranet portal for bill passing and it is a tedious process to do it again and again as and when the supplier/contractor files the return belatedly. Usually, due to the delay in filing of the GSTR1 return by the supplier/contractor, the GSTR2A report generation is made delayed i.e. April Month GSTR2A is uploaded only during the 1st June 2023 to avoid uploading of the GSTR2A multiple times in the INTRANET Portal.

But the GSTR2B is a static return, which shall report the invoice in the return based on the period in which such invoice has been filed irrespective of the invoice date or the GST Return month in which it is filed. Thereby, the TANTRANSCO Headquarters will update the GSTR2B return in the TNEB Intranet portal on time. The GSTR2B return will be auto populated on 14th of every month and the same report will be uploaded in the TNEB Intranet portal immediately without delay.

4.13. GST – E-Way Bill:

It is responsibility of Supplier/Contractor to ensure the delivery at the destination stores/sites of TANTRANSCO. 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.

The Government of TamilNadu had notified that e-way bill is required to be generated for intra-state movement (within the state of TamilNadu) for consignment value exceeding Rs.1,00,000 with effect from 2nd June 2018. It may kindly be noted that E-Way bill on interstate movement of goods had been introduced with effect from 1st April 2018 and is required to be generated for movement of goods having consignment value exceeding Rs.50,000. (please refer webpage portal http://ewaybillgst.gov.in for procedure and generation of E-way bill).

5.0. FREIGHT AND INSURANCE:

The accepted prices are inclusive of Freight and transit Insurance.

5.1. It is the supplier's responsibility to deliver the equipment safely and in time.

5.2. The Consignment on receipt at destination Stores/Site shall be unloaded by the supplier at free of cost.

5.3. The equipment has to be despatched 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 Nationalised 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.

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

5.5. 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.

5.6. 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.

5.7. 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.

5.8. No documentary evidence need to be produced in support of Freight and Insurance charges. The Freight and Insurance charges will be firm throughout the contract.

6.0. PACKING AND FORWARDING:

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 despatch of materials shall be made only after the approval of test certificates by the TANTRANSCO. The equipment/Materials shall be unloaded at Destination Stores/Sites by the supplier free of cost.

7.0. PAYMENT:

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

7.2. **Payments for the supplies will be made by Online mode only**. 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

7.3.(a) For the equipments/materials delivered within the contractual delivery period:

100% of the all inclusive price of the equipments/ materials will be paid for SSI units (Small and Micro scale) within 45 days and for Non-SSI units within 90

days from the date of receipt of materials at good condition at site after deducting recoveries if any.

(b)For the equipments/materials delivered beyond the contractual 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 for SSI units (Small and Micro scale) within 45 days and for Non-SSI units within 90 days from the date of receipt of materials at good condition at site after deducting the appropriate amount of L.D. of each consignment and other recoveries if any.

7.4. In the event of TANTRANSCO failing to up keep the stipulated time frame for releasing payment to SSI units and Non-SSI units, simple interest will be paid for the delayed period at SBI three months MCLR.

The simple interest shall be calculated for the delayed period by adopting the 3 months MCLR of SBI prevailed at the time of signing of agreement and in the cases where no agreement is signed, only PO is issued, the date of the PO shall be taken as base date to ascertain the interest rate.

7.5. 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.

7.6. 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 Purchase Order.
(b) Test Certificate.
(c) Supply of approved drawings, Instruction manuals, etc., as per Section-VII Technical of this Specification.
(d) Undertaking towards Jurisdiction for Legal Proceedings.

7.7. The supplier should despatch only after getting despatch instruction. If the supplier despatches the materials without the prior approval of the purchaser, then the purchaser shall not be responsible for any demurrage or wharfage or both and only the supplier should bear any expenditure arising out of such unapproved despatches.

8.0. SECURITY DEPOSIT CUM PERFORMANCE GUARANTEE:

8.1. The successful tenderer will have to furnish **5% value of Purchase Order** as Security Deposit cum Performance Guarantee in the form of electronic mode of payment or DD/Banker's Cheque/irrevocable Bank Guarantee.

8.2. The Security Deposit cum Performance Guarantee will be refunded to the supplier only if the contract is completed to the satisfaction of the purchaser. 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 supplier 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 Guarantee and such amount that is appropriated will not be refunded to the supplier.

8.3. The successful tenderer should furnish a Security Deposit cum performance guarantee in the form of irrevocable bank guarantee for **5% value of Purchase Order** and shall be valid for a period of 36 months from the anticipated date of receipt of last consignment of goods/materials at site in good condition. **In case of delay in supply, the Security Deposit cum Performance Bank Guarantee should be extended suitably.**

8.4. The successful tenderer will have to furnish the Security Deposit cum Performance Guarantee **within 30 days from the date of receipt of Purchase Order.** The Security Deposit cum Performance Guarantee will not carry any interest.

In the event of failure to remit Security Deposit cum Performance Guarantee within, the prescribed period, EMD will be forfeited and **order be cancelled**. The award may be made to L2 tender. **Belated payment of Security Deposit cum Performance Guarantee will not be accepted**.

The Security deposit cum Performance Guarantee will be released on expiry of guarantee period after ensuring that defects/damages during the guarantee periods are rectified/replaced.

In the case of Bank Guarantee is extended without any break in period and there is delay in submission of such extended Bank Guarantee, for any reasons, TANTRANSCO shall reserve the right to accept the belated submission of the extended Bank Guarantee by levying penal interest at the rate of 22% per annum for the delayed period of submission. Such penal interest shall be recovered from the service provider's subsequent bill.

8.5. Failure to comply with the terms regarding Security Deposit cum Performance Guarantee set out in the Purchase Order within the stipulated time of the successful tenderer will entail cancellation of the Purchase Order without any further reference to the supplier.

8.6. The successful tenderers, who is having Permanent EMD backs out from payment of Security Deposit cum Performance Guarantee, an equivalent amount of EMD shall be forfeited from their PEMD amount.

9.0. DELIVERY:

9.1. The indents for the quantity will be given by the Chief Engineer/ Transmission 45 days in advance, based on the actual requirements, duly indicating the due date of delivery. Indents for subsequent quantities shall be based on the requirement, timeliness of supply by the bidder and feedback on performance from the field and if possible, on turn basis also. This is purely at the discretion of Chief Engineer / Transmission. The above delivery shall be guaranteed by you under liquidated damages clause governed by this specification.

The above delivery shall be guaranteed by you under liquidated damages clause governed by this specification.

If any other delivery period is indicated, the tenderer is liable for rejection. The delivery period will be reckoned from the date of receipt of indent.

The date of receipt of materials at stores/site in good condition will be treated as date of delivery for all purpose.

9.2. QUANTITY ALLOCATION:

At the time of issuing indent for supply of materials, TANTRANSCO reserves the right to allocate the quantity after ensuring the manufacturing capacity, ability to supply, quantity offered and past performance.

10.0. LOSS OR DAMAGE:

10.1. 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, though 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 the Clause of Replacement of Defective/Damaged materials of this specification.

10.2. 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 are 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.

10.3. Similarly, if during the guarantee period any of the goods found to be defective in materials or workmanship or do not conform to specification, 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.

10.4. 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.

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

11.0. LIQUIDATED DAMAGES AND PENALTY:

11.1. 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.

It should be noted that if a contract is placed on the higher tenderer in preference to the lowest acceptable tender in consideration of the offer of earlier delivery, the said contractor will be liable to pay the TANTRANSCO the difference between the contract rate and that of the lowest acceptable tender in case of failure to complete the supplies in terms of such contract within the delivery period specified in the tender and incorporated in the contract. This is without prejudice to other rights under the terms of contract.

11.2. 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.

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

11.4. 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 cum Performance Guarantee.

11.5. 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.

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

11.7. 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 not withstanding the liquidated damages clause applicable for the belated supplies. Any charge for canceling 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.

12.0. FORCE MAJEURE:

12.1. If at any time, during the continuance of the contract, the performance in whole or in part, on any obligation under this contract, is prevented or delayed by reasons of any war, hostility, acts of public enemy, acts of civil commotion, strikes, lockouts, sabotages, fires, floods, explosions, epidemics, quarantine restrictions or other acts of God (herein after referred to as eventualities) then, provided notice of the happening of any such eventuality is given by the tenderer to the TANTRANSCO within 15 days from the date of occurrence thereof, neither party shall, by reasons of such eventuality, be entitled to terminate this contract nor shall have any claim for damages against the other in respect of such non-performance or delay in performance and deliveries under this contract, shall be resumed as soon as practicable after such eventuality has come to an end or ceased to exist.

12.2. Provided that if the performance in whole or part by the supplier on any obligation under this contract is prevented or delayed by reasons of any eventuality for a period exceeding 60 days, the TANTRANSCO may at its option terminate the contract by a notice in writing.

12.3. Power cut shall not be considered under the Force Majeure condition. The period of extension shall be decided only by the authority who placed the order after verifying the evidence for the cause of delay.

12.4. It is hereby specifically agreed that time is the essence of the contract. The termination of the contract as aforesaid shall not absolve the supplier/supplier of his liability to pay damages to the TANTRANSCO for the breach of the contract to deliver the goods or complete the performance of the contract within the time fixed by the purchaser/suppliers.

13.0. GUARANTEE:

13.1. The entire equipments should be guaranteed for satisfactory operation and good workmanship at least for a period of 36 (Thirty six) months from the date of receipt of materials at site in good condition.

13.2. Any defects noticed during this period shall be rectified free of cost to the TANTRANSCO within 2 (Two) months 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. Such replaced components shall serve for a continuous period of 12 months from the date of re-commissioning and this shall be in addition to the guarantee provided for the equipment.

13.3. The incidental expenses, transport and freight charges for the replacement of defective materials within the guarantee period shall also be borne by the supplier till such time it serves a continuous period of 12 (Twelve) months as said above.

13.4. 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 under all specified conditions.

(iii) Performance figures given by the tenderers in the Schedule of Guaranteed Technical Particulars.

14.0. REPLACEMENT OF DEFECTIVE/DAMAGED MATERIALS:

14.1. Not withstanding anything contained in the above liquidated damages clause when the whole or part of the materials supplied by the supplier are found to be defective/damaged or are not in conformity with the specification or sample, such defects or damages in the materials supplied shall be rectified within two months from the date of intimation of defect/damage either at the point of destination or at the supplier's works, at the cost of supplier, against proper security and acknowledgement. In the alternative, the defective or damaged materials shall be replaced at free of cost within two months from the date of receipt of the intimation from the purchaser of such defects or damages. If the defects or damages are not rectified or replaced within this period, the supplier shall pay a sum towards liquidated damages as per liquidated damages clause given above, for the delay in rectification/replacement of the defects or damages from the date of receipt of intimation of the defect or damages.

14.2. If even after such rectification or replacement of the damaged or defective part, if the equipment materials ordered are not giving the satisfactory performance as per the contract, then it will be open to the purchaser either to reject the goods or repudiate the entire contract and claim such loss sustained by the TANTRANSCO.

14.3. Notwithstanding any other remedies available, the purchaser shall be entitled to dispose off the defective/damaged materials in `as is where is condition' without further notice, if the contractor/supplier fails to rectify the defect and /or replace the damaged materials and / or fails to remove the defective/damaged materials within such period as may be notified by the purchaser through notice and the sale proceeds of such disposal shall be appropriate towards the dues to the TANTRANSCO such as liquidated damages, ground rent etc. as may be determined by the purchaser.

15.0. FAILURE TO EXECUTE THE CONTRACT:

Suppliers failing to execute the order placed on them to the satisfaction of the TANTRANSCO under terms and conditions set forth therein, will be liable to make good the loss sustained by the TANTRANSCO, consequent to the placing of fresh orders

elsewhere at higher rate, i.e. the difference between the price accepted in the contract already entered into and the price at which fresh orders have been placed. This is without prejudice to the imposition of Liquidated Damages and forfeiture of Security Deposit cum Performance Guarantee.

16.0. NON-ASSIGNMENT:

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

17.0. EFFECTING OF RECOVERIES:

Any loss, arising due to non-fulfillment of this contract or any other contract, will be recovered from the Security Deposit cum Performance Guarantee held and or any other amount due to the supplier from the TANTRANSCO/TANGEDCO/TNEB from this Contract as well as from other contracts.

18.0. INCOME TAX (PAN) & GSTIN :

Tenderers shall furnish their Permanent Account Number (PAN) and GST Number (GSTIN) details in their offer or other relevant documents without fail.

TDS on Income Tax will be recovered at the rates as applicable from time to time as per the notification of GOI.

19.0. PATENT RIGHTS ETC:

The supplier shall indemnify the purchaser against all claims, actions, suits and proceedings for the infringement or alleged infringement of any patent, design or copy right protected either in the country of origin or in India by the use of any equipment supplied by the supplier other than for the purpose indicated by or reasonably to be inferred from the specification.

20.0. ARBITRATION:

The TANTRANSCO will not accept any arbitration in case of disputes arising in any respect under this contract. Any dispute arising out of this contract shall not be subject to arbitration under the provisions of Arbitration and Conciliation Act 1996 in the event of any dispute between the parties.

21.0. DEVIATIONS FROM SPECIFICATION:

No deviations in commercial and Technical terms shall be acceptable.

22.0. TEST CERTIFICATES:

The Test certificates in triplicate for the materials furnishing the results of the tests as per latest issue of IS/IEC shall be forwarded and got approved before the materials are despatched. In addition to the tests called for in the specification, the Purchaser reserves the right of having such tests as he desires carried out at his own expenses to satisfy himself that the materials conform to the requirement of this specification. The materials may be rejected if the test results are not satisfactory.

23.0. RESPONSIBILITY:

The tenderer is responsible for safe delivery of the materials at the destination stores. The tenderer should include and provide for packing and secured protection of the materials to avoid damages or loss in transit.

24.0. MAXIMUM WEIGHTS AND DIMENSIONS OF PACKINGS:

24.1. 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.

24.2. Each case or package should be clearly marked and should contain detailed packing list.

25.0. INSPECTION:

25.1. The authorized representatives of the Purchaser shall have access to the supplier's or sub-vendor's works at any time during working hours, for the purpose of inspecting the manufacture of the materials and for testing the selected samples from the materials covered by this specification. The supplier or the sub-vendor shall provide facilities for the above.

25.2. Tenderers are requested to furnish in their tenders the exact location of their factory with detailed address to enable inspection by TANTRANSCO if considered necessary.

25.3. Not less than 15 days advance intimation shall be given about the quantity of materials that will be ready for inspection by the TANTRANSCO's Officers/Third Agency authorized by the TANTRANSCO. The arrangement for inspection shall be made by suppliers in such a way that the delivery schedule is kept up. The materials shall not be despatched without instruction from TANTRANSCO.

26.0. COMPLETENESS OF TENDER:

The tender should be complete with all details of illustrative and descriptive literature and drawings. The tenderers shall furnish the complete technical details of the equipment. Information regarding the country of manufacture or origin of materials used in the manufacture of the articles should be furnished. The tenderer should include all minor accessories even though not specifically mentioned in this specification but which are essential for the completeness of the materials ordered.

The tenderer shall not be eligible for any extra charges in respect of such minor accessories though not included in the tender.

27.0. INTERCHANGEABILITY:

All similar parts and removable parts of similar items shall be interchangeable with each other.

28.0 QUANTITIES:

The quantities mentioned above are only tentative. The purchaser reserves the right to revise the quantities at the time of placing the order.

29.0. CLIMATIC CONDITIONS:

The materials are for use in Tamil Nadu and should be satisfactory for operation under tropical conditions in Tamil Nadu.

a) The ambient temperature will be within the range of + 10 Degree Centigrade to +50 Degree Centigrade.

b) The altitude will be less than 1000 meters.
c) The maximum atmospheric humidity will be in the range of 95%.
d) Average Number of thunder storm days per annum is 65.
e) Average Number of dust storm days per annum is 5.
f) Average Number of rainy days per annum is 65.
g) Average annual rainfall is 100 cm.
h) The climatic conditions are prone to wide variation in ambient condition and equipments offered under this specification shall be suitable for installation at any of the Sub-Stations in Tamil Nadu.
i) All electrical devices shall be given tropical and fungicidal treatment. Fog, smoke and mild acids are also present in the atmosphere.

30.0. ELECTRICITY RULES :

All works shall be carried out in accordance with the latest provisions of the Indian Electricity Act /Electricity Supply Act and the Indian Electricity Rules there-under unless modified by this specification.

31.0. MATERIALS AND WORKMANSHIP:

31.1. All materials, equipments and spare parts thereof shall be new, unused and originally coming from manufacturer's plant to the destination stores. Those including used, rebuilt, or overhauled materials/equipments will not be accepted.

31.2. All the materials shall be of best class and capable of satisfactory operation in the tropics with humid atmospheric condition. Unless otherwise specified, they shall conform to the requirements of appropriate Indian Standards. Where these are not available, IEC and American/British Standards shall be followed.

31.3. The equipments should be designed to facilitate inspection and repair and to ensure satisfactory operation under atmospheric conditions prevailing at site and under sudden variations of load and voltages as may be met with under working conditions in the system including those due to faulty synchronizing and short circuits within the rating of the apparatus.

31.4. The design shall incorporate every reasonable precautions and provisions for the safety of all those concerned in the operation and maintenance of equipment.

31.5. All the equipments should operate without undue vibration and with the least practicable amount of noise.

32.0. RECOVERIES OF DUES:

The TANTRANSCO is empowered:
(a) To recover any dues against this contract in any Bills/ Security Deposit cum Performance Guarantee/Earnest Money Deposit due to the suppliers either in this contract or any other contracts with TANTRANSCO/TANGEDCO/TNEB.
(b) To recover any dues against any other contract of the suppliers with TANTRANSCO/TANGEDCO/TNEB, with the available amount due to the suppliers against this contract.

33.0. PAST PERFORMANCE:

33.1. The intending tenderers shall furnish the documentary evidence with details of various Purchase Orders/placed on them during the last three years as on the date of Tendering in the proforma enclosed to the Tender Specification and also proof for having manufactured the tendered item and for their satisfactory performance from State Electricity Board.

33.2. The Bidders shall furnish copies of Balance Sheet, Profit and Loss Account and Turn-Over certificate duly certified by the Auditor for the years mentioned in the BQR.

In case last financial year accounts mentioned in the BQR are not finalised, the bidders shall furnish Annual Turnover statement for the respective financial year certified by Auditor.

33.3. The Bidders shall furnish documentary evidence for the constitution of the firm such as Memorandum and Articles of Association, Attested copy of Registered Partnership Deed with details of Name, Address, Telephone, Electricity Board Service Connection No. of the manufacturing plants.

33.4. In order to ensure the annual turnover criteria stipulated under Bid Qualification Requirement conditions , the bidders may also furnish the attested copy of Income Tax return filed by the bidders or the attested copy of enlistment certificate issued by the NSIC containing turnover details of the bidder for the respective period as required.

33.4. The details furnished by the tenderers shall be in complete shape and if it is found that any information is found omitted, suppressed, incomplete or incorrect, the same will be taken note of while dealing with the Tenderers in future.

34.0. TYPE TESTS :

The Type Test Reports for the cubicle of the Panel of their make in full shape should have been conducted within five years (5 years) as on the last date of submission of bid **conforming to relevant IS/IEC Standards of latest issue.** Type Test Reports should have been issued by the Government/ Government Recognized Laboratory or NABL Accredited Standard Laboratories.

The above Type Test Reports should accompany the drawings of the material/equipments, duly signed under seal by the Institution who had issued the type test certificate.

Non-submission of above Type Test Reports will entail rejection of Tender without any further reference to the supplier. The original Type Test Reports shall be furnished for verification on request. The details of Type Test should be furnished in the Schedule – G.

35.0. ERECTION & COMMISSIONING:

The Panels will be erected departmentally. The supplier shall render necessary assistance in erection & commissioning of one number Panel in each consignee circles at free of cost, if required.

36.0. RAW MATERIALS:

It is the responsibility of the tenderer to make his own arrangement to procure the necessary raw materials required for the manufacture.

37.0. STORAGE CHARGES :

Storage charges for storing the equipment at the suppliers premises will not be paid to the supplier, under any circumstances.

38.0 JURISDICTION FOR LEGAL PROCEEDINGS (AFTER AWARD OF CONTRACT)

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 or MSEFC 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 suits 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 court or MSEFC. The successful tenderer shall furnish an undertaking in a non/Judicial stamp paper of Rs.500/- agreeing to the above condition.

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SECTION VI
TECHNICAL

PART - I

AC Panel for 230 KV SS

1.0. GENERAL ARRANGEMENT & STANDARDS

1.1. The medium voltage AC panels to be supplied would be of cubicle type with switches and other accessories mounted and connected to the bus suitable for 440 volts, 50 cycles, 3 phase AC supply system.

1.2. Each panel shall have the following dimensions:

Height: 2312mm (including the height of base support channel frame of size 100 x 50mm made out of not less than 3mm thick sheet)

Depth : 600 mm

Width : 800 mm

1.3. The panel shall be folded type construction and fabricated out of sheet steel of thickness as follows,

Front, Rear and Base Frame : Not less than 3mm

Side, Top and Bottom : Not less than 2mm

1.4. Each Panel shall be provided with ventilation louvers with Stainless Steel / Brass wire mesh on the rear doors of the Panel and should be vermin proof.

1.5. The cable gland plate at bottom should be in two halves and detachable type.

1.6. The rear side of the Panel shall be provided with minimum three numbers (not aluminium casting) hinged doors with lever type locking handle.

1.7. Four numbers grouting holes and grouting bolts shall be provided at the bottom.

1.8. All the hardwares used shall be hot dip galvanised.

1.9. The painting of the panel should be done as per IS-6005-1970 or latest issue and finished with light grey colour, paint of shade 631 of IS-5 for outside and glossy white for inside. The base support frame shall be painted black in colour.

1.10. RED, YELLOW, BLUE colour Neon lamps shall be provided for R, Y,B phase indications at the top of the panel with 5A slide lock fuses.

1.11. One number 60 watts B.C. lamp shall be provided inside the panel for panel illumination and operated by rear door through door switch for ON/OFF operation.

1.12. Each panel comprises of three zones as detailed below:

Top Zone : Instruments

Middle Zone : Miniature circuit breakers for outlets

Bottom Zone : Main switch and CT

1.13 Anti vibration strips/pads shall be provided between panel and the base frame.

It shall be possible to open each zone from the front side to enable inspection of defects if any without disturbing other zone. Each zone shall be provided with hinged doors. The hinges shall be at left hand side and bolting arrangement shall be at right hand side corners for locking, Anodized Aluminium

Caution Board to the following effect shall be provided on the front and rear sides of the panels.

CAUTION : "SWITCH OFF THE STATION TRANSFORMER SUPPLY AND GENERATOR SUPPLY BEFORE OPENING THE DOORS"

2.0. STANDARDS

All the materials and equipment shall comply in all respects with the requirements of the latest standards furnished hereunder:

a.	ISS-8623	Specification for factory built assembly of switch gear and control gear for voltages upto and including 1000V AC/1200 V AC.
b.	ISS-4237	General requirements for switchgear and control gear for voltages not exceeding 1000V
c.	ISS-2147	Degree of protection provided by enclosures for LV switchgear and control gear
d.	ISS-3072	Code of practice for installation and maintenance of switchgear
e.	ISS-2075	Current Transformer
f.	ISS-2516	AC circuit breaker (Part-I, II etc)
g.	IEC-408/1972	Short time withstand test
h.	ISS-6005	Surface treatment for M.S. sheets
i.	CBIP-Technical Report July 1996or the latest amendments	Static Trivector Meter with 0.2s class accuracy and with RS 485 Mod Bus Communication Port
	IS:15959	DLMS compliance energy meters
j.	IS:1248	Indicating Instruments

Wherever a standard is specifically mentioned in this specifications, it is understood that the corresponding standard or standard from amongst the source mentioned above shall also apply. It is however understood that the material offered shall comply with one consistent set of standards except in so far as they are modified by the requirements of these specification.

3.0. BUS BARS

Hard drawn electrolytic grade copper bus bars of rectangular size shall be provided for phases and neutral. Bus bars shall be completely wrapped with phase identification colour PVC tapes to avoid exposed live portion. Necessary holes may be drilled in bus bars at suitable places to connect the incoming and outgoing leads, copper conductors with lugs will be connected to these holes using suitable brass bolts. The clearance of live parts between phases and to the earthed metal parts of the panel shall be adequate and conform to ISS of latest issue.

The bus bars shall be fixed inside the panel in vertical formation on the right side of the panel when viewed from rear side.

a. SIZE OF BUS BARS:

SL No	Panel for	For Phases	For Neutral	For Earth
a.	230 KV SS	50mmx6mm	25mmx6mm	25mmx3mm

The length of the bus bars should not be less than 1000 mm.

4.0. INTERNAL WIRING

Internal wiring should be done by the supplier. Internal connections from main incoming MCCB to the bus bars and from the bus bars to the outgoing MCBs and then to the terminal blocks from the switches should be done by electrolytic grade standard flexible copper wires with PVC insulation of 1100V grade of the following sizes. The ferrule shall be provided at the ends for identification purposes.

Rating of switches Amps	**Size of insulated copper wire**
400	min 150 sq.mm
200	min. 70 sq.mm.
100	min. 35 sq.mm.
60	min. 15 sq.mm.
30	min. 5 sq.mm.
15	min. 2.5 sq.mm.

All auxiliary wiring (current and voltage) for meters etc., should be done with multi stranded copper PVC wires, open live terminal inside the panel should be above 300mm from bottom of the panel.

5.0. DETAILS OF INSTRUMENTS AND SWITCHES

5.1 PANEL for 230 KV SS

5.1.1 TOP ZONE : (INSTRUMENTS)

a.	1 No.	The static trivector meter with 0.2s class accuracy & with RS 485 DLMS protocol Communication port shall be of 3 phase 4wire 440V, 1A, 50 Hz capable of measuring and displaying the following electrical quantities for polyphase balanced or unbalanced loads. KWh, KVARh, KVAh, KVA MD, rising demand for elapsed time, PF, frequency count for number of MD resets, phasewise details of current and voltage, real time and segment check display. The above parameters should have scroll lock arrangements, so as to get the display of any one parameters continuously. In addition the push button display mode is also essential. The push button shall have a sealing arrangement.
b.	1No.	AC Under voltage relay
c.	1 No	AC Over voltage relay

5.1.2 MIDDLE ZONE : (OUTGOING SUPPLY)

There shall be two bus sections viz.,Main bus and Auxiliary bus.

Station transformer supply shall be made available in the main bus. The following outlets shall be provided from the main bus.

a.	2 Nos.	100 Amps, 3 phase, 3 pole, 440V moulded case circuit breaker.(Thermal magnetic type)
b.	7 Nos.	60 Amps, 3 phase, 3 pole, 440V miniature circuit breaker
c.	8 Nos.	30 Amps, 3 phase,3 pole, 440V miniature circuit breaker
d.	20 Nos.	30 Amps, single phase, two pole, 230V miniature circuit breaker
e.	1 No.	Digital Type frequency meter (Display with four digits and 12mm height) to indicate 50 cycles per second

GENERATOR SUPPLY shall be made available from diesel generator panel in auxiliary bus. The following outlets shall be provided from the auxiliary bus.

(a) 2Nos. :30 Amps, 3phase, 3pole, 440V Miniature Circuit Breaker.

5.1.3 BOTTOM ZONE : (INCOMING SUPPLY)

a.	1 No	400 Amps, 3 phase, 3 pole, 440 Volts, moulded case circuit breaker (Thermal magnetic type) with fixed instantaneous O/L settings for controlling the incoming supply availed from station transformer. The main bus in the middle zone will be energised by this MCCB
b.	1 No.	60 Amps, 3 phase, 3 pole, 440 Volts, moulded case circuit breaker (Thermal magnetic type) with fixed instantaneous O/L settings for controlling the incoming supply availed from diesel generator set. The auxiliary bus in the middle zone will be energised by this MCCB.
c.	3 Nos.	LT single phase CT of ratio 200/5 A shall be provided with metering class accuracy 0.2s.

6.0. OTHER DETAILS

a. Name plate of the panel board may be provided at the top of front side of the panel.
b. 2 Nos. Earthing terminals shall be provided at the rear side of Panel. The earth bus bar may be directly connected to the above 2 Nos. Earthing terminals.
c. Provision shall be made for adequate accessibility for each switch for the incoming and outgoing cable connections purposes.
d. Each panel may be assigned with a serial number.
e. 5A, rewirable slide lock fuses may be provided for the phase indication lamps, cubicle illuminating lamps, static trivector meter potential supply and voltmeter.

f. All meters, crack switches, fuse units shall have circuit indicating label.

7.0. BRAND NAMES:

The brand names for various equipment and instruments shall be as per clause-16.0

8.0. INSTRUMENTS:

The Static Trivector Meter shall conform to CBIP Specification Technical Report No.88 – July 1996 or to the latest issue with 0.5% accuracy class and with RS485 MOD Bus Communication Port.

The Meters covered under this specification shall conform to latest issues/amendments of the standards given below:

India Standard No	Title	International & internationally Recognised standard
IS 14697 of 1999 and the CBIP Technical Report No.88 (Revised July 1996) and IS 15959 & its latest amendments.	Specification for AC Static Trivector Meters Class 0.2s, 0.5s, 1.0s	IEC 687/1992

Equipment conforming to the above standards, which ensure equal or higher quality than the standards mentioned above would also be acceptable.

The meters shall also have an optical port in addition to RS 485 DLMS Protocol Communication port for automatic data logger system in Sub-Station for energy Balancing and Accounting. Besides the meter supplied shall be with pulse output for KWHr pulse. Suitable window based software with compatible software for data logging in the Sub-Station shall be supplied along with the meters and the same to be installed in the Sub-station PC's.

The current transformer secondary leads shall be provided with shorting links, test links and isolating facilities, All moulded case circuit breakers shall be of 25KA rupturing capacity and miniature circuit breakers shall be of 10 KA rupturing capacity.

The Voltmeters, frequency meter, shall be of flush type.

9.0. TERMINAL BLOCKS:

All terminals (M5 Size) shall be of Disconnecting Type. Necessary clearance viz., 100mm between 2 sets of terminal block, 250mm between terminal block and associated cable gland plate, shall be maintained.

Separate neutral terminal shall be provided at the terminal block, adjacent to the phase terminals of each outlets for terminating neutral of the respective outlets. Adequate spare terminals may be provided for future additions (20% of the terminals used).

10.0. INDICATION LAMPS:

All indicating lamps shall be Neon type.

11.0 DRAWINGS:

11.1. The successful tenderer shall forward within 15 days from the date of receipt of purchase order, four sets of the below mentioned drawings for the

purchaser's approval. Drawings which are satisfactory for approval on the first submission will be approved and one copy of the approved print will be returned. The drawings not satisfactory for approval on the first submission will be returned to the tenderer for resubmission.

i. Drawings showing the front elevation of the panel.
ii. Drawings showing the bus bar arrangement.
iii. Drawings showing the lateral cross-section indicating mounting arrangement of switches.
iv. Drawings showing the cable entry arrangement.
v. Drawings showing the foundation details.
vi. Single line diagram of metering and protection arrangements.
vii. Drawings showing the terminal block arrangements

11.2. Any shop work done prior to the approval of drawings shall be at the suppliers risk. Supplier shall make any change in the design which are considered necessary to make the equipment conform to the provisions and indent of the purchase order without any additional cost to the purchaser.

11.3. The successful tenderer shall supply the purchaser within 15 days of receiving an approved print, one reproducible master transparency and two prints of each of the approved drawings.

11.4. The supplier shall send 5 sets of approved drawings and instruction manuals to each consignee and also two sets alongwith the panels while despatch.

3 sets of instruction manuals shall be supplied within one week from the date of approval of drawings to Superintending Engineer/Transmission-II/ Chennai-2.

All drawings, part lists assembly procedures etc., shall bear a readily identifiable number, drawing number etc., and each subsequent revision or addition to the drawing shall be identified by a revision number.

Checking and approval of the above documents by the purchaser is for the benefit of the purchaser and shall not relieve the supplier from full responsibility for ensuring correct interpretation of design, drawings and specifications or for the completeness and accuracy of the shop drawings and relevant specifications.

Supplier shall record all deviations, corrections, omissions, changes etc., occurring throughout the manufacturing, assembly and testing phases.

All drawings shall be in English Language and in Metric System of Units.

12.0. DESCRIPTIVE LITERATURE AND PAMPHLETS:

Full descriptive particulars of the items used in the A.C. Panel and necessary drawings showing the connection details with pamphlets should be furnished. The details of MCBs and MCCBs that are used for assembling these Panel should be furnished.

13.0. ROUTINE TESTS:

The following routine tests shall be conducted on the Panels in the presence of Board's Engineer and Test Certificates submitted in triplicate for approval before despatch.

a. Dimensional check.

b. Visible and quantitative check
c. Wiring connection and function check of meters, MCB, MCCB, switches etc.
d. High voltage power frequency withstand test / 2KV for one minute
e. I.R. value of all switches and cubicle.

14.0. GUARANTEED TECHNICAL PARTICULARS

The guaranteed technical particulars as per the enclosed Annexure should be furnished by the tenderer without fail.

15.0 Brand Names

The Brand Names for various equipment and Instruments shall be as below.

1.	Static Trivector Meter	ABB/L&T/SECURE/GENUS
2.	LT CT–200/5A	JAYANTHI ELECTRIC / KAPPA/PRECISION/ VOLTAMPS/OMEGA/ PGR
3.	60A, 30A, 15A miniature circuit breakers	}}ANDREW YULE/CH }/CROMPTON GREAVES/ GE/L&T/MDS/SIEMENS/ } STANDARD / S&S/C&S
4.	400A, 100A moulded case circuit breakers	
5.	Digital Frequency Meter	PLA/MECO/NIPPEN.
6.	Voltmeter	AE/MECO/NIPPEN
7.	Switches	KAYCEE / MICRON / SWITRON/SALZER
8.	AC Under voltage relay (Auxiliary supply 110V DC)	ASHIDA/JVS
9.	AC Over voltage relay (Auxiliary supply 110V DC)	ASHIDA/JVS

NOTE : ONLY SPECIFIED MAKE IS ACCEPTABLE BY TANTRANSCO. THE TENDERERS SHOULD NOT QUOTE "AS EQUIVALENT" IN ANY CASE.

PART-II

220V DC DISTRIBUTION PANEL

1.0 SCOPE:

This order covers the manufacture, testing and supply at FOR (D) (Destination) Stores anywhere in Tamil Nadu for the 220 Volts D.C. Distribution Panels.

2.0. (A) STANDARDS :

LATEST ISSUE OF :

a.	IS.6005	Surface treatment for M.S. Sheets
b.	IS.1248	Indicating instruments
c.	IS.6875	Push Button and Control Switches
d.	IS.3231	Relays
e.	IS.8623	Specification for factory built assembly of switchgear and control gear for voltages upto and including 1000V AC/1200V AC
f.	IS. 4237	General requirements for switchgear and control gear for voltages not exceeding 1000V.

(B) REQUIREMENT :

The D.C. Distribution panel is required for :

(a) Distribution of control supply with necessary short circuit protection for outlet feeders.

(b) Emergency D.C. Lightning of 15 Nos. 60 watts in case of A.C. failure, should come automatically through A.C. under voltage sensor and contactor.

(c) Annunciation scheme for D.C. earth leakage and D.C. and A.C. under voltage and D.C. over voltage. Provision for acknowledging the fault through push button switch and cancellation of audible alarm, visual indication should persist till the rectification of fault.

3.0. GENERAL DESCRIPTION :

(a) The 220V Distribution panels cabinet shall be of indoor type suitable for floor mounting on steel frame work on cement concrete pedestal.

The dimensional size of the cabinets shall be 2312 x 600 x 600mm. The thickness of the sheet steel shall be as follows :-

Front & Base Frame : Not less than 3mm

Top, Sides and rear : Not less than 2mm

The cabinet shall be fabricated with the M.S. Sheet steel by suitably folding the sheet to achieve required strength.

The Panel shall be painted with two coats light grey enamel paint to Shade – 631 of IS – 5 for exterior finish and glossy white for interior finish. All hardwares shall be hot dip galvanized to avoid corrosion.

The Panel shall be vermin proof. Hinged twin doors shall be provided on the rear side, vermin proof louvers with copper/brass/stainless steel wire mesh shall be provided on the rear doors, lever type locking handle shall be provided for doors. The cable entry shall be from bottom and detachable gland plates in two halves shall be provided with 25 mm diameter holes. Rubber gasket shall be provided for joints. HRC fuses shall be provided for DC lightning circuit, A.C. supply, D.C. control and annunciation bus.

(a) The height 2312mm is inclusive of height of 100mm vase support frame.

(b) Anodised Aluminium Labels shall be provided for all instruments, switches, push buttons, lamps, fuses and for name plate details of the Panel.

(c) Grouting holes and bolts shall be provided. Vermin proof ventilating louvers switch stainless steel/Copper/Brass wire mesh shall be provided on the rear doors of the Panel.

(d) The wiring of space heaters shall be protected with porcelain beads for suitable thermal insulation for a safe length.

(e) In addition to Earth Fault Relay 2 Nos. push button switches and resistors shall be provided for instant indication of positive to ground fault and negative to ground fault to check the earth leakage relay and associated audio and visual indication at a stroke.

(f) Necessary indication lamps with related accessories shall be provided to distinctly indicate the acknowledged state of annunciation scheme.

(g) **EARTH FAULT RELAY :**

A Centre Zero milli ammeter shall be included between the E/L relay and ground to detect the earth fault polarity, Earth leakage relay with minimum standing current drain shall be provided.

(h) The A.C. supply (230 V $\pm$ 15%) shall be wired neatly and kept separately from D.C. supply.

(i) The bus bars shall be of electrolytic grade copper only.

(j) TERMINATION OF CABLE :

Incoming and outgoing cables shall be terminated in suitable rated stud and nut type terminal block. Necessary clearance shall be maintained for easy wiring, 20% spare terminals shall be provided for future connection.

(k) INSULATION :

The cabinet wiring and all equipments shall withstand a power frequency high voltage of 2 KV for one minute between each point to ground and between circuits.

4.0 PANEL COMPONENTS :

EACH PANEL SHALL COMPRISE THE FOLLOWING

220V DC Distribution Panel Components

Sl. No.	Description	Rating	Quantity
01.	MCCB with instantaneous O/L setting for controlling the incoming DC supply.	150 Amps	1 No.
02.	D.C. double pole miniature circuit breaker	30 Amps	30 Nos.
03.	D.C. Earth leakage relay with sensing range from 1 mA to 5 mA suitable for 220V D.C. without shadow region of the minimum insulation resistance level to be sensed shall be 44 K. Ohms, with center zero milliammeter of 25-0-25 mA range connected between Relay and Earth.		1 set.
04.	D.C. Undervoltage Relay for sensing undervoltage of 80% of the Battery voltage, with variable settings in steps of 5% between 80 to 100%.	220V DC	1 No.
05.	D.C. Overvoltage Relay for sensing overvoltage upto 120% of Battery voltage, with variable settings from 100 to 120% in steps of 5%.	220V DC	1 No.
06.	A.C. Undervoltage Relay for sensing undervoltage of 80% of A.C. supply voltage, along with the lighting change over relay with auxiliary contacts.	A.C. 230V single phase (DC 220V lighting circuit 15 x 60W Bulbs)	
07.	D.C. voltmeter 144 x 144mm size moving coil flush mounting type with 90 degree angle deflection and conforming to IS.1248 of 1968. The sensitivity of voltmeter shall be 1000 ohms/volt.	0-300 V DC	1 No.
08.	D.C. Ammeter 0-75A 144x144mm size moving coil, flush mounting type with 90 degree deflection with accuracy $\pm$ 2% and conforming to IS.1248 of 1968.		1 No.
09.	Annunciation scheme operating on 220V D.C. shall comprise gong bell, indication lamp, acknowledge, reset push button.		1 No.

	NOTE : 1. The annunciation scheme including gong bell should be capable of operation under D.C. U/V condition of 80% of the rated D.C. voltage and withstanding the overvoltage of 120%. 2. The annunciation scheme should be capable of giving both audible and visual (lamp) indication for one or more faults occurring subsequently even before normalizing the earlier fault/faults. 3. The DC for annunciation scheme shall be taped off at the incoming side of the main MCCB and provided with 2A HRC fuses and links. 4. All the MCCBs shall be fixed on separate plate and mounted on the panel so as to remove the MCCBs easily in the event of replacement.		
10.	Panel lamp with door switch and space heater with control switch	230V AC	1 set
11.	Size of copper D.C. bus bars of rectangular cross-section	(Length not less than 500mm)	25 x 6 mm
12.	Size of earth bus also of rectangular size	(Length not less than 500 mm)	25 x 3 mm
13.	(a) Size of the incoming and outgoing connections of MCCB		Braided / flexible copper wire 75 sq.mm
	(b) D.C. Distribution (Standard flexible copper wire)		10 Sq.mm
	(c) A.C. Circuits and D.C. lighting		2.5 Sq.mm
14.	(a) Base support frame		100 x 50 x 50mm
	(b) Thickness and Colour of base frame	Sheet steel of not less than 3mm thick painted with black Enamel paint.	

5.0 DRAWINGS :

5.1 The supplier shall forward 4 sets of the following drawings within 15 days from the date of receipt of purchase order, for according approval from this office. Drawings which are satisfactory for approval on the first submission will be so noted and signed and one copy of the signed prints will be returned. The drawings not satisfactory for approval on the first submission will have changes, noted etc. are noted in the prints, one of which will be returned to the tenderer for resubmission. The print with such addition shall not be interpreted by the supplier, to be "approved as noted", unless specifically so noted above on approving signatures.

(i) Drawings showing the front elevation of the panel.

(ii) Drawings showing the bus bar arrangement.

(iii) Drawings showing the lateral cross-section indicating mounting arrangement of switches.

(iv) Drawings and supports showing the cable entry arrangement.

(v) Drawings showing the foundation details.

(vi) Single line diagram of metering and protection arrangements.

(viii) Drawings showing the terminal block arrangements

a. Any shop work done prior to the approval of drawings shall be at the suppliers risk. Supplier shall make any change in the design which are considered necessary to make the equipment conform to the provisions and indent of the purchase order without any additional cost of the purchaser.

b. The successful tenderer shall supply the purchaser within 15 days of receiving an approved print, one reproducible master transparency and two prints of each of the approved drawings. If the supplier resubmit a revision or change for approval, such resubmission shall be by four prints, supplier shall also supply to the purchaser with one transparency plus two prints from each approved of resubmission within 15 days of receiving the approval of resubmission.

c. The supplier shall send 5 sets of approved drawings and instruction manuals to each consignee and also two sets along with the panels while dispatch.

d. 3 sets of instruction manuals shall be supplied within one week from the date of approval of drawing to SE/Transmission – II/Chennai – 2.

e. All drawings part lists assembly procedures etc., shall bear a readily identifiable number etc., drawing number and each subsequent revision or addition to the drawing to procedure shall be identified by a revision number.

Checking and approval of the above documents by the purchase is for the benefit of the purchaser and shall not relieve the supplier from full responsibility for ensuring correct interpretation of design, drawings and specifications or for the completeness and accuracy of the shop drawings and relevant specifications.

Supplier shall record all deviations, corrections, omissions, changes etc., occurring throughout the manufacturing, assembly and testing phases.

All drawings shall be in English Language and in Metric System of units.

6.0. ROUTINE TESTS :

The Panels shall be tested for the following at the works of manufacturer's before supply :-

(i) Visual examination and Dimensional check

(ii) Quantitative check

(iii) Functional check of meters and relays, MCCBs, MCBs

(iv) Power frequency high voltage withstand test for all wiring and equipments.

(v) I.R. Value measurement.

7.0. DESCRIPTIVE LITERATURES AND PHAMPLETS :

Full descriptive particulars of the MCCB, MCBs, relays used in the D.C. Panel and necessary drawing showing the connection details with phamplets should be furnished.

8.0. FACTORY INSPECTION :

During the course of manufacture, purchaser's representative shall have the right to expedite and or inspect the materials, workmanship, labour and the progress of and manufacture of the equipment on order and may reject any material which is defective or unsuitable for the purpose intended or which is not in accordance with the intent of the specification, supplier, upon demand by the purchaser or his representative, shall remedy or replace such defective or unsuitable material, supplier shall provide all reasonable inspection facilities to purchaser's inspector. The supplier shall give notice of readiness so that the purchaser's representative may witness such final and acceptance tests before shipment. Purchaser's representative may at any time inspect and copy any or all test data. No material being furnished shall be shipped until factory inspection satisfactory to the purchaser and / or his representative had been made. Such inspection and approval shall not relieve the supplier from full responsibility for furnishing equipment. Conforming to the requirements of the Purchase Order nor prejudice any claim, right or privilege which the purchaser may have, because of the use of defective of unsatisfactory equipment. Should the inspection be waived by the purchaser, such waiver shall not relieve the supplier in any way from his contractual obligations. All tests required including repeater tests and inspections, that may be necessary owing to the failure to meet any tests specified shall be made at supplier's expense. If the equipment fails to pass the tests specified purchaser shall have option to reject them, additional tests shall be made to locate the failure and other reconstruction, testing shall be repeated to prove that the rebuilt equipment meets the requirements in all respects.

9.0 TYPE TEST CERTIFICATE :

Tenderers should furnish copy of Type Test Reports for the Cubicle of the Panel - IP55 (Degree of Protection for an Enclosure) as conforming to relevant IS/IEC Standards of latest issue in full shape obtained from a Government or Government Recognised Laboratory or NABL Accredited Standard Laboratories, along with offer. The above Type Test Reports should accompany the drawings of the material/equipments, duly signed under seal by the Institution who had issued the Type Test Reports. The above Type Test should have been conducted within five years (5 years) as on the date of Tender opening.

The original Type Test Reports shall be furnished for verification on request. The details of type test should also be furnished in the Schedule – G.

9.1 BOUGHTOUT COMPONENTS:

With respect to the Bought out components, the successful tenderer shall get sub-vendor approval for the bought out components along with Test reports at the time of submission of Drawings for approval.

The supplier should submit the Manufacturer's test certificates for each and every Component/Equipment in the Panel to this office.

10.0. BRAND NAMES FOR 220V DC DISTRIBUTION PANEL COMPONENTS :

01.	Voltmeters / Milli Ammeters	AE / IMP / NIPPEN / MECO conforming to ISS 12438 / 1968
02.	Miniature circuit breakers	MDS / STANDARD/CROMPTON GREAVES / S&S/HAVELLS CONFORMING TO RELEVANT ISS.
03.	Incomer moulded case circuit breaker	CROMPTON GREAVES/L&T/ EE / ANDREW YULE/ C&S conforming relevant ISS.
04.	D.C.U.V., D.C. – OV and A.C – UV relays	EE Make /ANY STANDARD MAKE conforming to ISS:3231/1965
05.	D.C. – EL relay	EE make CAEM 21 Type /Any standard make conforming to relevant ISS.

NOTE : (1) Only specified "MAKE" is acceptable.
(2) Tenderers should specific Brand name and not as "or equivalent", which is not acceptable.

ANNEXURE – I

1. GUARANTEED TECHNICAL PARTICULARS OF AC PANEL FOR 230KV SS

1.	Name of the manufacturer and place of manufacture			
2.	i) Overall dimension of AC panel in mm.	Height 2312 mm	Width 800 mm	Depth 600 mm
	ii) Thickness of sheet metal proposed for use on panels in mm	Front, Rear & Base frame - not less than 3 mm. Sides, top & bottom - not less than 2 mm		
	iii) Dimensions of base support frame in mm.	100 mm x 50 mm		
	iv) Size of side supporting angles in mm	3 mm		
	v) Exterior finish	Light grey		
	vi) Interior finish	Glossy white		
3.	Switch Board wiring			
i	Power Frequency withstand level of panel wiring	2 KV for 1 minute		
ii	Insulation level of wiring	PVC Insulated, 1100 Volts Grade		
iii	Size of electrolytic grade copper wire with details of strands in sq.mm.			
	a) Incoming for 230 KV SS- 400AMPS -------- 60 AMPS -------	 Minimum 150 Sqmm Minimum 15 Sqmm		
	b) Outgoing :	For 230KV SS PANEL		
		100A- 35		
		60A - 15		
		30A -5		
iv	Size of earthing in mm	25 mm x 3 mm		
v	Type of terminals provided on wiring	Disconnecting type		
4.	**Instruments and metering equipment**			
(i)	Static Trivector Meter with 0.2s class accuracy and with RS485 DLMS protocol Communication Port:			
a.	Make	ABB/L&T/SECURE/GENUS		
b.	Type	Static		
c.	Voltage rating	440 V		
d.	Current rating	AC Panels for 230 KV SS- 5 Amp Amps.		
e.	Accuracy class	0.2s		
f.	Measuring and display parameters	As per Specification		

g.	Whether scroll lock arrangements to get the display of any one parameter continuously and push button display mode available	Available
h.	Display	
i.	Whether the following facilities are provided	
i	MD reset	Yes
ii	Communication capability	Yes
iii	Time of day Tariff	Yes
iv	Tamper and Fraud monitoring	Yes
v	Load survey capability	Yes
vi	Self diagnostic feature	Yes
vii	Auto display cycling facility for essential parameters	Yes
viii	Electro Magnetic compatibility	Yes
5.	**AC Under voltage static relay**	
a.	Make	ASHIDA/JVS
b.	Auxiliary Supply	18-150V DC
c.	Output Contacts	2 N/O + 2 N/C
d.	Setting Range	50% to 100% in steps of 5%
6.	**AC Over voltage static relay**	
a.	Make	ASHIDA/JVS
b.	Auxiliary Supply	18V-150V DC
c.	Output Contacts	2 N/O + 2 N/C
d.	Setting Range	100% to 150% in steps of 5%
(ii)	**Voltmeter**	
(a)	Make	AE/MECO/NIPPEN
(b)	Type	Flush type
(c)	Accuracy class	1.5
(d)	Maximum Scale Range	
(e)	Size	144 mm x 144 mm
(iii)	**Frequency Meter**	
(a)	Make	PLA / MECO / NIPPEN
(b)	Type	Digital

iv	**a) Moulded case circuit breakers** i) Type and make ii) Rating (A) iii) Rupturing capacity (KA) iv) Whether O/L trip is adjustable or fixed v) If adjustable, range of adjustment vi) If fixed at what level	Andrew Yule/CH/Crompton Greaves/ GE/L&T/MDS/SIEMENS/STANDARD/ S & S/C&S 400 A, 100 A, 60 A 25 KA
	b) Miniature Circuit Breakers i) Type and make ii) Rating (A) (iii) Rupturing capacity (KA) iii) Whether O/L trip is adjustable or fixed iv) If adjustable, range of adjustment v) If fixed at what level	Andrew Yule/CH/ Crompton Greaves/ GE/ L&T/MDS/SIEMENS/ STANDARD/S&S/C&S/ 60 A, 30 A, 15 A 10 KA
6.	**Busbars:** i) Material used	Electrolytic grade copper
	ii) Size (Rectangular) a) For phases (mm) b) For Neutral (mm) c) For Earth Bus (mm)	For 230KV SS 50 x 6 25 x 6 25 x 3
7.	Type and Make of crimping lugs used in the wiring	
8.	Details of drawings enclosed	
9.	Brief description of the functions of AC Panel designed for	

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2. GUARANTEED TECHNICAL PARTICULARS FOR 220V DC DISTRIBUTION PANEL

		As per specification
01.	Name of the manufacturer and place of manufacture	To be furnished by bidder.
02.	a. Overall dimension of the panel in mm.	Height x width x Depth 2312 mm x 600 mm x 600 mm
	b. Thickness of sheet metal in mm	
	Front	3 mm
	Sides, Top and rear	2 mm
	Rear : Door	2 mm
	c. Dimension of base support frame in mm	100 mm x 50 mm x 50 mm
	(ii) Thickness of base frame mm	3 mm
	d. Colour shade (i) Exterior finish	IS 631 Light Grey
	(ii) Interior finish (iii) Base frame	White Black
	e. Materials of wire mesh for the louvers	Brass
	f. Whether detachable gland plate in two halves provided at bottom	Yes.
	f. Whether door with lift off hinges provided for the rear with built in locking system	Yes
	g. Whether panel designation label is provided	Yes
3.	**SWITCH BOARD WIRING**	
	a. Power frequency high voltage insulation level of panel	2 KV 50 HZ for one minute.
	b. Sizes of 1100V grade PVC insulated electrolytic grade flexible stranded copper wires in sq.mm.	Multi stranded copper wire as per IS.
	CIRCUITS	
	(i) D.C. Distribution	10 Sq.mm.
	(ii) D.C. Annunciation / Control	2.5 Sq.mm.
	(iii) AC (230 V)	2.5 Sq.mm
	(iv) Earthing	
	(v) Size of electrolytic grade copper flat for DC positive and negative bus bars in mm	25 x 6 mm Length not less than 500 mm
	(vi) Size of electrolytic grade copper flat for earth bus in mm	25 x 3 mm
	(vii) Type of terminal provided	Main incoming – Bolt and Nut M.S.Stud Type

4.	**VOLTMETER /AMMETER**	
	a. Make	AE/IMP/Nippon/Meco.
	b. Type	Moving coil
	c. Accuracy class	±2
	d. Maximum scale range	0-100%
	e. Rating	0-300 V/0-75A
	f. Size	144 mm x 144 mm
5.	**D.C. EARTH LEAKAGE RELAY**	
	a. Make	EE make CAEM 21 Type/Any Standard make conforming to relevant ISS
	b. Type	Panel Mounted
	c. Rating	1mA to 5 mA, 220V DC
	d. No. of N/O & N/C contacts	2 NO + 2 NC
	e. Minimum – Maximum settings provided for operation of relay in milli Amps	25 – 0 - 25mA
	f. Value of mA setting in each step	5 %
	g. Normal condition current drain in milliamps	1-5mA
	h. Whether there is any null region of operation in sensing any portion of earth leakage	No
6.	**VOLTAGE RELAY**	
	I. D.C. UNDER VOLTAGE RELAY	
	(a) Make	EE Make/Any Standard make conforming to ISS : 3231/ 1965.
	(b) Type	Panel Mounted
	(c) Rating	80% Battery voltage
	(d) No. of N/O & N/C contacts	2 NO + 2 NC
	(e) % setting range provided	Variable setting 5% step between 80 to 100%.
	(f) % variation to each step	5%
	II. D.C. OVER VOLTAGE RELAY	
	(a) Make	EE Make/Any Standard make conforming to ISS : 3231/ 1965.
	(b) Type	Panel Mounted
	(c) Rating	120% Battery voltage
	(d) No. of N/O & N/C contacts	2 NO + 2 NC
	(e) % setting range provided	100% to 120%
	(f) % Variation to each step	5%
	III. AC Under Voltage Relay	
	(a) Make	EE Make /Any Standard make conforming to ISS :

		3231/ 1965.
	(b) Type	Panel Mounted
	(c) Rating	230 V AC
	(d) No. of N/O & N/C contacts	2 NO + 2 NC
	(e) % setting provided	80%
8.	**PUSH BUTTON**	
	(i) Positive to Earth	
	(a) Type	Flush Mounting Type.
	(b) Make	Captron/Vishnow/TC/Flush
	(c) Colour of Push Button	Grey
	(d) Type of operating knob	Push Button Type
9.	Whether internal wiring conform to relevant IS.	To be provided
10.	Whether industrial Siren is provided.	To be provided
11.	Whether Pip-Pip Horn is provided.	To be provided
12.	Whether testing facility is provided to check the operation of the DC earth fault relay.	To be provided
13.	Rating of space heater	60 W 230 V AC
14.	Whether No. of HRC fuses as per specification.	To be provided
15.	Whether AC and DC terminals kept separate	Yes.

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Note : (1) Only specific make is to be given.
(2) Stating equivalent in any item is not acceptable.

ANNEXURE-II

CHECK LIST FOR BID QUALIFICATION

Sl. No.	Particulars	Bidders's response
1.	Name and Address of the Firm/Company	
2.	Address of the Registered office, Phone Nos. etc	
3.	Address of the Factory/Works, Phone Nos. etc.	
4.	E-Mail address	
5.	Confirm whether the tenderer is a manufacturer of the tendered material If yes, whether documentary evidence is enclosed If so, list the documentary evidence	Yes/No
6.	Whether the bidder is old supplier to the TNEB/ TANTRANSCO/ TANGEDCO	Yes/No
7.	Whether the copies of orders executed during the last three years in respect of materials tendered to State Electricity Boards/Power utilities enclosed.	Yes/No
8.	Whether performance certificates from the end users enclosed	Yes/No
9.	Annual Turn over of the Bidder for the last three years 2021-2022 2022-2023 2023-2024	
10.	a) Whether documentary evidence produced for the Annual turn over. b) If so, whether certificate from auditor furnished or copies of audited annual statement of accounts furnished	Yes/No
11.	Whether the tendered equipment is Type tested as per the specification of the TANTRANSCO	Yes/No

DATE :

PLACE:

SIGNATURE OF THE TENDERER

NAME :

STATUS IN THE COMPANY

(AFFIX SEAL OF THE COMPANY)

(AFFIX SEAL OF THE COMPANY)

ANNEXURE-III

CHECKLIST FOR COMMERCIAL TERMS

Sl. No.	Particulars	Bidder's response
1.	EARNEST MONEY DEPOSIT:	
	1 Amount	Rs.17,700/- (Rupees Seventeen thousand seven hundred only)
	2 Mode of payment	Online/Permanent EMD/BG
	3 If exempted state whether the bidder is	SSI units within Tamil Nadu
	4 If SSI unit state whether copy of duly attested Permanent Registration Certificate enclosed	Yes/No
	5 Whether the material tendered is included in the certificate	Yes/No
	6 Validity of the permanent registration certificate	Yes/No
	7 Whether undertaking on a non-judicial stamp paper of value more than Rs.500/- (Rupees Five hundred) enclosed in lieu of EMD	Yes/No
2.	Whether the offer is valid for a period of 180 (One hundred and eighty) days from the date of opening of Commercial/Technical bids	Yes/No
3.	PRICE: i) Whether quoted firm price valid for the entire contract period ii)Whether the quoted price contain the following breakup price a) Unit Ex-works price b) Unit Freight and Insurance charges c) Unit Goods & Service Tax on Ex-works price and F&I (Percentage and amount)	Yes/No Yes/No Yes/No Yes/No

	iii) Whether the tenderer is agreeable for charging Goods & Services Tax only on Ex-works price plus F&I iv) Whether the tenderer is agreeable in case of delayed delivery, GST prevailing on the date of actual delivery or the GST applicable or the date of contractual delivery whichever is less shall only be payable v) Confirm that Freight and Insurance charges quoted are applicable for delivery to any of the TANTRANSCO stores in Tamil Nadu including the unloading by the supplier	Yes/No Yes/No Yes/No
4.	Whether the tenderer is agreeable for the following clauses specified under Section VI of the Specification i) Payment terms ii) Security Deposit cum Performance Guarantee iii) Delivery iv) Liquidated damages v) Guarantee vi) Jurisdiction for legal proceedings	 Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No
5.	Quantity offered	Full/Partial (Partial Qty. to be indicated)
6.	Whether tenderers furnished their Permanent Account Number (PAN) /GST Number (GSTIN) in their offer.	Yes/No PAN No. GSTIN No.
7.	(i) Whether copy of Sales Tax Clearance Certificate enclosed (ii) If so, indicate the date Sales Tax Clearance certificate	Yes/No

DATE :
PLACE:

SIGNATURE OF THE TENDERER
NAME :
STATUS IN THE COMPANY

(AFFIX SEAL OF THE COMPANY)

ANNEXURE -IV

CHECKLIST FOR TECHNICAL TERMS

Sl. No.	Particulars	Bidder's Response
1.	i)Whether the equipment offered is exactly as per technical specification of the TANTRANSCO ii) If not, give details of technical deviation in the deviation schedule C1	Yes/No
2.	Whether the tendered equipment is Type tested as per the specification of the TANTRANSCO	Yes/No

DATE : SIGNATURE OF THE TENDERER

PLACE: NAME :

STATUS IN THE COMPANY

(AFFIX SEAL OF THE COMPANY)

SECTION – VIII – FORMATS
SCHEDULE – 'A' PRICE SCHEDULE

ALL AMOUNT IN RUPEES ONLY

Sl. No.	Description	HSN Code (***)	Quant-ity in Nos. (Ten-tative/ Appr-oxim-ate)	UNIT PRICE IN Rs.			FOR (D) * Price in Rs.	
				Ex-works Price	F&I Charge **	CGST/ SGST/ IGST in % and Amount	Unit	Total
1.	AC Panel for 230KV SS	(To be filled by the Tenderer in BOQ format only)						
2.	220V DC Distribution panel							

COMPANY SEAL

SIGNATURE :
DESIGNATION :
COMPANY :
DATE :

NOTE :

(*) For supply at the Destination GCC Stores anywhere in TamilNadu.

(**) Freight and Insurance Charges including unloading at Stores/Site.

(***) While quoting the rates the bidder shall indicate the HSN Code and Account Code for all the tendered items as per GST Act.

SCHEDULE – 'B'

SCHEDULE OF MATERIALS AND DELIVERY PERIOD

SL. NO.	DESCRIPTION	QUANTITY IN NOS. (TENTATIVE)
1.	AC Panel for 230KV SS	
2.	220V DC Distribution Panel	

COMPANY SEAL

SIGNATURE :

DESIGNATION :

COMPANY :

DATE :

SCHEDULE – C1

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 conforms to the specification in all other respects.

COMPANY SEAL

SIGNATURE :

DESIGNATION :

COMPANY :

DATE :

SCHEDULE – C2

DEVIATIONS FROM COMMERCIAL TERMS

All deviations from the Commercial terms shall be filled in by the Tenderer, clause by clause, in this 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.

COMPANY SEAL

SIGNATURE :

DESIGNATION :

COMPANY :

DATE :

SCHEDULE – D

STATEMENT OF SUPPLY ORDERS EXECUTED/UNDER EXECUTION DURING THE PAST THREE YEARS AS ON THE DATE OF TENDER.

Sl. No.	Name and address of the organization	Name of material	P.O.NO. & Date	Qty.	Value of order in Rs.Lakhs	Scheduled date of completion of order	Actual date of completion of order
1.	2.	3.	4.	5.	6.	7.	8.

COMPANY SEAL

SIGNATURE :

DESIGNATION :

COMPANY :

DATE :

TAMIL NADU TRANSMISSION CORPORATION LTD
SPECIFICATION NO T- 2315

SCHEDULE – E

DECLARATION FORM

To

The Chief Engineer/Transmission,

5th floor, Northern Wing,

TANTRANSCO HeadQuarters

No: 144, Anna Salai,

Chennai – 600 002.

Dear Sir,

1. Having examined the above specification together with the accompanying schedules etc., we hereby offer to manufacture and supply the equipments/materials covered in this specification at the rates entered in the attached schedule of prices.

2. We hereby guarantee the particulars entered in the schedules attached to the specification.

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

4. Our company is not a potentially Sick Industrial Company or a Sick Industrial Company in terms of Section-23 or Section-15 of the Sick Industrial Companies (Special Provisions) Act, 1985.

Yours faithfully,

PLACE : **SIGNATURE :**

DATE : **DESIGNATION :**

COMPANY SEAL : **COMPANY :**

SCHEDULE – F

UNDERTAKING IN LIEU OF E.M.D.

(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 TWENTY FOUR BY M/S----------hereafter called "Tenderer" (which expression shall where the context so admits mean and include their Agents, Representatives, Successors-in-office and Assigns).

TO AND IN FAVOUR OF ----------THE TAMIL NADU TRANSMISSION CORPORATION, a Body Corporate constituted under the Electricity (Supply) Act, 1948 (Central Act LIV of 1948) having its office at 5th Floor, TANTRANSCO,No:144, Anna Salai, Chennai – 600 002, 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 Board of the above proposal, The tenderer has agreed to pay to the Board 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 Board 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 `board' 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

NAME IN BLOCK LETTERS

SEAL OF THE COMPANY

In the presence of Witnesses:

1. Signature Name & Address
2. Signature Name & Address

SCHEDULE - G
STATEMENT OF TYPE TEST PARTICULARS
(TO BE FILLED IN BY THE TENDERER)

SL. NO.	NAME OF TEST	NAME OF LAB	DATE OF TEST
	Cubicle of Panel - Degree of Protection – IP55		

The above Type Tests Reports should have been issued by a Government or Government Recognized Lab or NABL Accredited Standard Laboratories as per relevant IS/IEC not earlier than Five (5) years on the date of tender opening.

COMPANY SEAL

SIGNATURE :

DESIGNATION :

COMPANY :

DATE :

SCHEDULE- H

UNDERTAKING TOWARDS JURISDICTION FOR LEGAL PROCEEDINGS

(To be filled by the tenderer in a non-judicial stamp paper of value not less than Rs.500/-)

This undertaking executed at ……..on this ……(date) ……..(month) Two thousand and ……by M/s…….. a company 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 Tamil Nadu Electricity Board, a statutory authority created under the powers vested with the Electricity (supply) Act, 1948, having its office at No.144, Anna Salai, Chennai – 2 hereinafter called the purchaser (which expression shall where the context 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……..dated……..

AND WHEREAS in accordance with Clause……..of the above said P.O. 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, Micro and Small Enterprise Facilitation Council (MSEFC),Chennai or other court of small causes at Chennai.

In consideration of the Board having agreed to accept the undertaking, the contractor undertakes that no suit or any proceedings in regard to any matter arising in respect of this contract shall be instituted in any court other than in the High Court, Madras, City Civil Court at Chennai , Micro and Small Enterprise Facilitation Council (MSEFC),Chennai or the Court of Small causes at Chennai. It is also 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 the cause of action arises within the jurisdiction of any of the courts in Tamil Nadu and rest within the jurisdiction of any of the courts in Tamil Nadu and rest within the jurisdiction of Courts outside Tamil Nadu, then it is agreed to between the parties that such suits or proceedings shall be instituted in a Court within the State of Tamil Nadu and no other court outside 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 THIRU …… of the contractor hereby put his hand and seal for due observe of the undertaking in the presence of the following witnesses.

SIGNATURE WITH SEAL.

WITNESS :

1) (Signature with Name and Address)
2) (Signature with Name and Address)

SCHEDULE- I

UNDERTAKING TOWARDS INPUT TAX CREDIT

(Declaration to be submitted by the bidders in Non-Judicial Stamp paper of value not less than Rs.500/-)

To
The Chief /Transmission
TANTRANSCO

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, the 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.

Witness with address:
1)
2)

Note: Bidder may strike out the para not applicable

SCHEDULE-J

SCHEDULE –J

IRREVOCABLE BANK GUARANTEE IN LIEU OF EARNEST MONEY DEPOSIT

(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 at .....hereinafter referred to as the "BANKS"), to and in favour of TANTRANSCO, a Company registered under the Company's Act 1956 having the office at N.P.K.R.R. Maaligai, Electricity Avenue, 144, Anna Salai, Chennai- 2, 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 to ..... in accordance with the terms and conditions contained therein.

AND WHEREAS in accordance with the terms of the Tender Specification No.....Dt....., 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 specification to 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...../- (Rupees .....only)

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 thateffect 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 forebear 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 of 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)

SCHEDULE - K

Declaration pursuant to Section 206AB

(To be obtained from applicable Suppliers)

This is to declare that (Name of the supplier) have filed the Return of Income (ROI) under the relevant provisions of the Income Tax Act, 1961 for the Assessment Year 2021-22 and 2022-23 (FY 2020-21 and FY 2021-22) and we shall file the ROI for Assessment Year 2023-24 (Financial Year 2022-23) within the due date as per the provisions of the said Act.

Permanent Account No. (PAN) of our Company/Firm/Individual is……..

The details of Return of Income filed are as below:

S.No	Assessment Year	Acknowledgement No	Date of filing
1	2021-22		
2	2022-23		

Place

Date :

(Authorized Signatory)
Signature & Seal