

Maharashtra State Electricity Distribution Co. Ltd.

Tender Details		25-11-2024 07:34:54
Tender Code	SE/NDBR/T-15/2024-25	
Tender Type	Works Tender	
Type Of Bid	Two Bid	
Description	Supply of Various types of current transformers (CT) as per Specifications	
Estimated Cost (In Lakhs)	5	
Basis of prices	NA	
Tender Validity	NA	
Delivery Requirement (In Months)	NA	
Tender on rate contract basis	NO	
Tender Fee (In INR)	1000	
GST In INR (@18% on Tender Fee: SAC No.	180	
Total Tender Fee Amount including GST in INR.	1180	
Contact	Executive Engineer ADM , 7875766627 ,senandurbar@gmail.com	
Pre-Qualifying Req	as per tender	
Budget Type	Revenue	
Scheme Code	NA	
Scheme Name	NA	
Department	Distribution Department	
Office Type	CIRCLE	
Location Type	Nandurbar Circle	
Designation	Executive Engineer(Distribution)	
Pre-Bid Meeting Address	Nandurbar Circle	
Bid Opening Address	On line	
Version No	1	
Call for Deviation	NO	
Is Annexure C1 Applicable	NA	
Is Manufacturer Applicable	NO	
Is Trader Applicable	NO	
Minimum % of Offered Quantity	NA	
Is Power Supplier Applicable	NO	
Tender Sale Start Date	25-11-2024 19:30	
Tender Sale End Date	04-12-2024 23:55	
Bid Start Date	25-11-2024 19:35	
Bid End Date	05-12-2024 14:00	
Pre-Bid Meeting Date	03-12-2024 11:00	
Techno-Commercial Bid opening on	05-12-2024 16:00	
Price Bid opening on	06-12-2024 14:20	
Annexure C1 Opening Date	NA	
Winner Selection Date	07-12-2024 11:25	

Can Bidder Opt EMD Exemption	N
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MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

(Govt of Maharashtra Undertaking)

“Nandurbar Circle”

**“Supply of Various types of current transformers (CT) as per
Specifications”**

Tender No. SE/NDBR/T-15/2024-25

VOLUME-1

TECHNICAL BID



**Office of the Superintending Engineer
Maharashtra State Electricity Distribution Co. Ltd.
Indira Sankul Girivihar Colony, Nandurbar
Nandurbar:-425412**

Phone No.: Mob. 7875766627

E-mail: senandurbar@gmail.com & Website: www.mahadiscom.in

TENDER NO SE/NDBR/T-15/2024-25**Maharashtra State Electricity Distribution Co. Ltd.****Circle office- Nandurbar****(Govt of Maharashtra Undertaking)****TENDER NO.: - SE/NDBR/T-15/2024-25**

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TENDER NO SE/NDBR/T-15/2024-25

Maharashtra State Electricity Distribution Co. Ltd.
Circle office- Nandurbar
(Govt of Maharashtra Undertaking)

TENDER DETAILS

Tender No.	SE/NDBR/T-15/2024-25
Name of the Tender	Supply of Various types of current transformers (CT).
Estimated cost of work	RS.500000/- (Rs. Five Lakh Only)
Tender Fees	Rs.1000+180 = 1180- (Including GST)
Bid Security	Rs.5000/- (Five Thousand Only)
Download of Tender documents from website	25.11.2024 to 04.12.2024 (23:55 hrs)
Last Date of upload of Tender on website	05.12.2024 at 14:00 hrs
Date of opening of Technical Bid	05.12.2024 at 16:00 hrs (If Possible)
Date of opening of Commercial bid	06.12.2024 at 17:00 PM (If Possible)
Date of Submission of Demand Draft of Bid Security payment, and other pre-qualifying documents	On or before 05.12.2024 up to 14.00 Hrs at Circle Office Nandurbar
Pre bid meeting	03.12.2024 at 11.00 AM (At Circle office)
Total No. of pages	25 (Twenty five) pages
Executing Agency	Superintending Engineer, MSEDCL, Nandurbar
Address	Indira Sankul Girivhar colony , Nandurbar
Phone Nos.	7875766627
Fax No.	
E-mail	senandurbar@gmail.com
Website	www.mahadiscom.in
TO BE FILLED BY THE TENDERER	
Name and Address Of Bidder	M/s
Name of the proprietor/authorized person	
Telephone No.	
Fax No.	
Mobile No.	
e-mail	
EMD Paid Details	Rs. Rec. No - Date:-

IMPORTANT NOTES:

1. Tenderers must submit all the tender documents online duly filled in & signed by agency before the due date and time.
2. Rates should be quoted in the prescribed commercial Bid attached with this tender and not in any other form.
3. This tender document contains **25 (Twenty five) pages** duly numbered (including cover page). Tenderers are requested to check the complete tender document after downloading

TENDER NO SE/NDBR/T-15/2024-25**E-TENDER NOTICE**

The Superintending Engineer, Nandurbar Circle, Nandurbar on behalf of M.S.E.D.C.L.(employer) invites On-line bids from eligible bidders for supply of following materials.

Tender No	Nature of Work	Estimated Amount Rs.	Amount Of EMD Rs.	Tender Fee
SE/NDBR/T-15/2024-25	Supply of Various types of current transformers as per MSEDCL specifications under Nandurbar Circle, Nandurbar.	5,00,000/-	5000/-	=1000+ GST 18%

The above E-tender document is available from Dt. 10.10.2022 in electronic format and is to be downloaded from employers web-site <http://works.mahadiscom.in/e-Tender/e-tender> after approval of e-tender fees online. The bidder can upload the e-tender on website latest by Dt. 05.12.2024 up to 14.00 Hrs. This office will not provide hard copy of the e-tender documents.

The detail information will be available in this office on all working days from 11.00 AM to 05.00 PM. Contact person: The Executive Engineer(Adm.), NandurbarCircle Office, Nandurbar **PHONE. (Mobile No .7875766627).**

(PRO NO:-.....)

Sd /-
Superintending Engineer
Nandurbar Circle

Maharashtra State Electricity Distribution Co. Ltd.
Circle office- Nandurbar

TENDER NO SE/NDBR/T-15/2024-25

(Govt of Maharashtra Undertaking)
INVITATION TO TENDER AND INSTRUCTION TO TENDERERS
TENDER FORM (NOT TRANSFERABLE)
(TO BE RETURNED DULY FILLED IN AND SIGNED)
ANNEXURE 'A'

To be submitted/uploaded online on or before Dt:- **05.12.2024 up to 14.00 Hrs.** on our website **<http://works.mahadiscom.in/eTender/etender>**. **The Tenderer is requested to quote his lowest rates FOR destination for supply of materials.** The material is required to be supplied at Store Centre, Jalgaon. The tender documents dully filled-in & signed are to be uploaded before due time & date of submission of tender in prescribed form.

Superintending Engineer
Nandurbar Circle

1.0 SCOPE OF WORK:

The scope of work under this tender is for design, engineering (wherever applicable), manufacture, inspection & testing before dispatch, packing and supply of material / equipments as specified in Annexure-D/Technical Specifications, **at our MM Cell, MSEDCL, Jalgaon zone, Jalgaon.**

Note: -The tender is values based, above mentioned quantities are approximate & may change as per the lowest quoted price.

2.0 REQUIREMENT FROM TENDERERS:

- 2.1** The tenderer should have executed in any last 3 (three) years out of (2021-22, 2022-23 & 2023-24) one work order/contract for supply of similar/any material to any of the MSEDCL/Other Power Utility for at least 20 % of the estimated cost of tender or Two work order/contract together equivalent to least 25 % of the estimated cost of tender or Three work order/contract together equivalent to least 30 % of the estimated cost along with order execution proof i.e. work done certificate (not below the rank of Executive Engineer or equivalent) and performance report.
- 2.2** Copy of the balance sheet for any last 3 (three) years out of (2021-22, 2022-23 & 2023-24) to judge funding position with signature of C.A. The average annual turnover must be **30% of estimated cost**. If the bidder bids more than one bid in a lot of 03 bids, the combined estimated cost will be taken for evaluation.
- 2.3** Required Net worth – 10% of bid value. If the bidder bids more than one bid in a lot of 03 bids, the combined estimated cost will be taken for evaluation. Net worth & turn over certificate by C.A for last three years.
- 2.4 Specific Experience:** Generally the bidder should have experience of supply of 15% of total physical quantity of similar material in last 03 years. Bidder should attach such experience certificate along with bid from the authority.
- 2.5** The GTP approved by MSEDCL is must while submitting the tender. If said is not enclosed in the tender is liable for rejection.
- 2.6** Bidder must be manufacturer or authorized supplier /dealer, must enclose Authorization letter from the manufacturer or he should possess the required experience set as above otherwise offer is liable for rejection. **Certificate of Registration of manufacturing unit under Factories Act. / Shop Act. / Registration for trading.**
- 2.7** The above stated requirements are a minimum and the Purchaser reserves the right to request for any additional information / data and also reserve the right to reject the proposal of any tenderer, if in the opinion of the purchaser, the qualification data is incomplete or the Tenderer is not found qualified to satisfactory perform the contract.
- 2.8** Copy of GST Registration certified to be submitted.
- 2.9** Income tax clearance certificate, Balance sheet for last 3 Years.
- 2.10** PAN card Registration Number.
- 2.11** If the unit is SSI, valid SSI registration Certificate.
- 2.12** The tenderer shall quote his lowest reasonable rate per unit as specified in Annexure 'F' only, in

TENDER NO SE/NDBR/T-15/2024-25

figures as well as in words. Any deviation in the rates etc. will not be allowed on any ground such as mistake, misunderstanding etc. after the tender has been submitted.

3.0 PRICE:

- a. Prices are acceptable only on F.O.R. destination basis inclusive of GST, risk in transit, freight showing the break-up as desired in the Annexure 'B'. It shall be noted that quotations not conforming to F.O.R. destination basis inclusive of GST, and to the unit as specified in Annexure 'E', shall be rejected even though the bidder's offer may be lowest. Therefore, the prices shall be quoted only in the form of Annexure 'E' of the tender documents. The bidder shall quote Ex-Works Price and element of freight and insurance along with applicable rate of GST. The F.O.R. destination price i.e. up to site or the Store Centre of the purchaser as the case may be inclusive of GST, risk in transit and freight prepaid will be programmatically calculated.

The prices to be quoted by the bidder should take into account the credit available on input under the CENVAT Scheme. The bidder should give a declaration that any set-off in respect of duties on inputs as admissible under law is being totally and unconditionally passed on the purchaser in the price quoted by him.

The bidder should declare that in quoting the above price, bidder has taken into account the entire credit on inputs available under CENVAT Scheme.

The bidder should further agree to pass on such additional duties as set-off as may become available in future in respect of all the inputs used in the manufacture of the final product on the date of the supply under the CENVAT Scheme by way of reduction of prices and advise the purchaser accordingly.

The Tenderer shall quote his lowest reasonable rate per unit as specified in Annexure 'F'. Any deviation in the rates etc. will not be allowed on any ground such as mistake, misunderstanding etc. after the tender has been submitted.

- b. **TAXES AND DUTIES:**

i) The F.O.R. destination rate shall be quoted inclusive of GST. The same shall be indicated against respective clauses of Annexure 'F' without any ambiguity.

(ii) It is imperative for the bidder to indicate the amount of GST included in their price while giving the break-up of F.O.R. destination price in Annexure 'F', failing which, the offer will be treated as ambiguous and will be rejected as per the provisions of clause IX of tender form. In case the GST is not payable partially / fully, the bidder shall indicate the reasons thereof duly supported by documentary evidence.

(iii) The Purchaser is registered under MVAT/GST Act of the Maharashtra State, so also under the Central Sales Tax Act, 1956. (iv) declaration on Form 'C' will be issued whenever and wherever applicable

- c. Against one tender form purchased by the Tenderer, he shall submit only one offer. Tenderer is requested to quote only single price/rate for the quantity offered by the Tenderer. The offers with prices of the materials quoted in slab basis and/or with any conditional discount on any account viz. payment, quantity etc. shall be rejected. Tenderer shall quote the rate only in the unit of the item specified in Annexure-'F'.

- d. **The Tenderer shall quote prices in two digit fractions in Indian Rupees only, if bidder quotes price in more than two digit fractions, then only first two digits will be considered for evaluation of rate & placement of order.** Although the material requires some imported components, if any. The Tenderer shall arrange to import such material against his import license & Purchaser shall not be responsible for obtaining Import License or furnishing Essentiality Certificate for import of such component of the custom duty payable on such material. The Purchaser shall not be liable to pay custom duty or variation thereof including variation on account of foreign exchange rate. The offers requesting the purchaser to obtain Import License or to make payment of custom duty or any variation referred to above shall be rejected.

- e. The Tenderer should quote his prices in Annexure-F and also give the break-ups under the columns in Annexure-F as provided therein.
- f. Prices are acceptable only on F.O.R destination basis inclusive of all charges. Therefore, the prices shall be quoted only in the form of Price Bid / Annexure 'F' of the tender documents.

4.0 QUOTATION:

- i. The Bidder shall quote his lowest reasonable rate per unit as specified in Annexure 'F' only in figures as well as in words. Any deviation in the rates etc. will not be allowed on any ground such as mistake, misunderstanding etc. after the tender has been submitted.
- ii. In case of difference between the rates in figures and in words, it will be considered to read the rates advantageous and economical to the Company.
- iii. Supplier's printed terms and conditions will not be considered as forming part of the tender.

TENDER NO SE/NDBR/T-15/2024-25**5.0 AMBIGUITY IN QUOTATION:**

The Tenderer shall ensure that he should quote the tender in clear terms and only fill in the blanks Wherever required. Any ambiguity in the terms and conditions may lead the rejection of tender. The Tenderer should note that there shall be no deviation in respect of the following terms specified in tender documents and the deviation if any, the tender shall be liable for rejection.

- i. Payment of earnest money deposit.
- ii. Payment of Security Deposit.
- iii. Liquidated damages.
- iv. Terms of payment.
- v. F.O.R. destination prices.
- vi. Guarantee.
- vii. Period of validity of offer.
- viii. Jurisdiction of Court.
- ix. Default of contractor & termination thereof.

6.0 ADDITIONS/ALTERATIONS PROHIBITED:

Tenderers shall not make any additions, alterations or changes in the tender form, conditions of tender and supply including the description of the material mentioned in Annexure 'D'.

7.0 FILLING IN OF ANNEXURE/QUESTIONNAIRE:

Tenderers are requested to ensure that the comments against each and every item/clause of the Annexure/Questionnaire shall be clearly filled in and answered. Any item/clause shall not be left blank or unanswered. If any item/clause is not applicable, the words "Not Applicable" shall be written against it. No place in the offer should be left blank or dashes are required.

8.0 SIGNING OF THE TENDRER DOCUMENTS:

There should be no over writings. Whenever required, the overwriting should be avoided and new details be given. Corrections if any to the information filled in, should be initiated by the Tenderer. Tenders not signed as above shall be liable to be rejected.

9.0 CLARIFICATION OF TENDER DOCUMENTS:

The Tenderer is expected to examine all instructions, forms, terms and specifications in the tender documents. Failure to furnish all information required under the tender documents or submission of tender not substantially responsive to the tender documents in every respect will be at the risk of the Tenderer and may result in rejection of his tender. The Tenderer requiring a clarification of the tender documents may notify to the purchaser 3 days prior to the date of submission of tender.

10.0 LOCAL CONDITIONS:

It shall be imperative on each Tenderer to fully inform himself of all local conditions and all other factors, which may have any effect on the execution of the contract covered under these documents and specifications. The Tenderer shall also make enquiry and satisfy himself about the contingencies, risk and other circumstances, which may influence or affect the execution of the contract as specified in this tender specification. The Purchaser shall not entertain any request for clarification from the tenders regarding such local conditions.

It shall be presumed by the Purchaser that all such factors, conditions etc. have been properly investigated and considered by the Tenderer while submitting his tender. Neither any change in the time schedule of the contract nor any financial adjustments arising thereof shall be permitted by the Purchaser which are based on the lack of such clear information or its effect on the cost of the contract to the Tenderer.

11.0 DISCLOSING THE NAME OF THE MANUFACTURER:

Whenever a material is described by name of the particular brand or being offered after purchasing from other sources, the Tenderer shall specifically disclose the name of the original supplier or the manufacturer.

12.0 EARNEST MONEY DEPOSIT (EMD):

The Tenderer shall pay the Earnest Money Deposit as set below along with the tender (1% estimated cost

TENDER NO SE/NDBR/T-15/2024-25

of tender . The tender without the payment of Earnest Money Deposit shall be summarily rejected.

- a) Earnest Money shall be paid online or Demand Draft drawn on the Nationalized /Scheduled Bank in Nandurbar or by Bank Guarantee in prescribed Performa as per stamp duty Act on Stamp Paper as follows:

Earnest Money Deposit should be @ 1.00% (One Percent) of the bid value.

b) EMD Exemption

1) As per Government of Maharashtra GR No. भाखंस-२०१४/प्र.क्र.८२/भाग/उद्योग-४ दि. ०१/१२/२०१६ EMD exemption is allowed for 241 items for small scale industries. This items not covered in that list hence EMD will not exempted for this tender.

2) The EMD will not exempted hence instructed to submitted EMD online or or by Bank Guarantee.

- c) A reference to the tender number should be given in case the E.M.D. is paid in cash before the due date of the tender and the relevant deposit amount and receipt No. should be mentioned in the tender. No interest shall be paid on the Earnest Money Deposit.
- d) In the event the Tenderer withdraws his offer during the validity period the earnest money deposit shall stand forfeited and the Purchaser shall be entitled to recover the amount of E.M.D. paid or encashing the Bank guarantee or by resorting to any other remedy available under the law.
- e) If the successful Tenderer upon award of the contract fails to pay the Security Deposit as per Clause of Annexure-‘B’ of the order / contract then the E.M.D. amount shall be forfeited by the Purchaser without prejudice to the right of the Purchaser to recover damages, if any.

13.0 EARNEST MONEY OF UN SUCCESSFUL TENDERER:

Earnest money deposited shall be returned to the unsuccessful Tenderer as soon as possible after the tender has been decided and on submission of original receipt of E.M.D payment to the Manager (F&A), MSEDCL, Nandurbar Circle Office,

14.0 SUBMISSION OF SAMPLES:

The sample of each item offered, shall be submitted free of cost to this office before the due time and date of submission of the tender. The samples submitted shall be strictly conforming to the specifications and drawings of the material offered. If the sample is not found according to the specifications, drawings, the offer shall not be considered.

The sample of successful Tenderer shall be retained with the Purchaser. Unsuccessful Tenderer on notification, shall collect the sample within 30 days from the date of notification this own cost failing which the sample shall be treated as Purchaser's property without any payment and any further notice.

15.0 SUBMISSION OF BILL OF MATERIAL:

The Tenderer shall submit the tender specification wherever applicable. The specification submitted along with the tender shall not be considered for evaluation of the offer but the specification of the successful Tenderer shall be scrutinized when the Purchaser decides to accept such tender.

The same approved by the Purchaser, shall be completed by the successful Tenderer within **Seven Working Days** from the date of Letter of Award (LOA) of the contract. Any delay in this regard shall lead to cancellation of the Letter of Award at the risk and cost of the Tenderer. The supplies against the contract shall conform to the approved detailed specification.

16.0 TIMELY SUBMISSION OF OFFER:

Tenderers are requested to submit their tender/offer **online only** on or before the due date and time for submission as mentioned in tender notice.

- a. Tender offer other than online offer will not be entertained or considered under any circumstances whatsoever.
- b. Tenderers are requested to upload scanned copies of following documents in Volume-I

TENDER NO SE/NDBR/T-15/2024-25

(Technical Bid) such as- Tender Fee receipt or Demand Draft, EMD paid receipt or Demand Draft, **GST Certificate**, PAN Card, SSI Registration Certificate, Experience Certificates, IT returns, balance sheets of last 03 years, net worth certificate certified by CA. Type test report: Type test reports of any laboratories accredited by NABL (National Accreditation Board for testing & Calibration laboratories) should be enclosed for material where it is required, etc. Scanned copies of Volume-I (Technical Bid) need to be uploaded duly signed & your firm stamp. However, one set of Volume-I (Technical Bid) in hard copy duly signed on each page along with original Demand Drafts for Tender Fee and EMD (or Xerox copy of money receipt if paid in cash) should be submitted to this office before due date of submission. Further, one set of attested copies of documents uploaded in Technical Bid should be submitted to this office before **Dt.05.12.2024 at 14:00 Hrs.** Failure to which the offer will be liable for rejection.

- c. Price Bid shall contain only Annexure 'F' duly filled and signed.

17.0 SEALING AND MARKING OF BIDS:

The bidder shall submit, in a separate envelop, following documents in hard copies prior to the dead line for submission of bids.

- a) Original Demand Drafts of EMD/BG per tender quoted for if applicable. The Demand Drafts should be issued by a Nationalized/Scheduled Bank and payable to the Maharashtra State Electricity Distribution Company Ltd., Nandurbar Circle Office or copy of the Money Receipt.
- b) Attested copies of other documents as mentioned in condition No. 16 (b) above.
- c) Complete Tender document duly signed on each page except Price Schedule (Annexure 'F')

18.0 INFORMATION REQUIRED WITH TENDER:

1. The Tenderer shall attach the relevant documents in order to show that the Tenderer is qualified as required herein before under clause No 2.0 along with the offer.
2. In case of any deviation as regards the specification, the Tenderer shall clearly indicate in separate sheet of technical/commercial deviation schedule.
3. The Tenderer shall give the full address along with Telephone No. Fax, E-mail etc. for the purpose of correspondence. The letters/Notices served or left upon said address shall be deemed to have been served upon the Tenderer or contractor. The Tenderer shall immediately communicate the change in address, Telephone, Fax, E-mail etc., if any. Failure to intimate such change, any letter or notice served upon original address of the Tenderer shall be deemed to be received by the Tenderer/contractor.
4. Verbal statement or information furnished by the Tenderer as regards the quality, quantity, arrangement of work or any other matter connected to the tender shall not be considered.

19.0 OFFERS OF SSI UNITS:

Offer of the SSI units shall not be considered for concessions applicable unless the unit is registered With Directorate of Industries of Government for manufacturing the items tendered /offered and have valid Registration Certificate up to the date of estimated completion of the supplies. The SSI registration Certificate should include the item for which the offer has been submitted. A copy of valid SSI registration Certificate duly sealed and signed shall be submitted with the offer; else the Tenderer shall not be entitled for concessions applicable to SSI unit. MSSIDC or MAVIM, while submitting their offer on behalf of SSI unit, should ensure submission of copy of their registration Certificate of these SSI units along with their offer, failing which offer shall be rejected.

The SSI units from the developing region desired to avail 33% purchase preference should produce necessary eligibility Certificate from Regional Development Authority/ Implementing Agency along with Certificate of commencement of production and classification of developing region under which the unit is situated. It may be noted that if copy of complete set of valid eligibility Certificate from SICOM/Regional Development Authority/Implementing Agency, duly sealed and signed, is not submitted with the offer, the Tenderer shall not be entitled for concessions applicable for SICOM / Regional Development Authority units under the said Scheme. If there are any specific Government directives, such as reservation of items for units in Maharashtra, non-eligibility of preference to SSI units etc. for particular items, price and purchase preference etc. the same would be applicable irrespective of the fact that it has not been specifically incorporated in the tender notice and/or tender documents.

TENDER NO SE/NDBR/T-15/2024-25**20.0 OFFERS BY MATCHING RATES WITH LOWEST ACCEPTABLE TENDERER:**

- (i) The industrial units located in Maharashtra and the units from developing region of Maharashtra holding valid eligibility Certificate from Regional Developing Authority/ Implementing Agency are eligible for consideration of order at the lowest acceptable F.O.R. destination rates inclusive of Excise Duty and Sales Tax/ VAT received against the tender as under:
- (ii) In case of units from developing region holding valid eligibility Certificate from Regional Developing Authority/Implementing Agency, these shall be considered for order by matching rates with lowest acceptable rate received against the tender up to 33.00 % of the requirement even if the lowest acceptable rate received against the tender is from a Tenderer within Maharashtra.

21.0 DELIVERY OF THE EQUIPMENT/S:

Tenderer is requested to quote delivery F.O.R. destination only. Tenderer should quote clear delivery schedule in the format specified in tender document. Offers, with qualified delivery schedule which directly or indirectly affects the Conditions of Tender & Supply given in Annexure 'B' shall be liable for rejection.

22.0 LANGUAGE OF THE TENDER:

The tender filled in by the Tenderer and all correspondence & documents relating to the tender exchanged between the Tenderer and Purchaser shall be written in English language. Any document furnished along with the tender in a local vernacular language shall be accompanied with the English translation.

23.0 AMMENDMENT OF THE TENDER:

At any time prior to the date of opening of the tender, the purchaser may for any reason, whether at its own initiative or in response to a clarification required by the Tenderer, modify the tender documents by an amendment will be notified to all the prospective Tenderers who have received the tender documents and will be binding on them. Purchaser may at its discretion extend the date of opening of the tender.

24.0 OPENING OF TENDER:

It should be noted that, Volume No. I will be opened online first. If the Tenderer fulfils the qualifying criteria as mentioned in Condition No. 16 above, then only Volume No. II will be opened. The date of opening of Price Bid will be informed to all concerned by SMS or e- mail.

25.0 DISREGARD OF TENDER CONDITIONS:

The Purchaser reserves the right to reject any tender, which does not confirm to any of the conditions / instructions etc.

Tender containing any deviations / additions / alterations / changes in the conditions of tender and supply as stated in Annexure 'A', 'B', 'C' & 'D' shall not be acceptable. The Tenderer having signed all the tender documents indicates any deviations / additions / alterations / changes in the covering letter, unrelated annexures, schedules of the offer or elsewhere, the same shall be ignored and the offer shall be treated as meeting with all specified tender conditions.

26.0 EXAMINATION OF TENDERS:

The Tenderer shall furnish all the data, drawings and other information / documents as per schedules attached to this specification, duly signed with the seal of the company, as a token of acceptance. The purchaser reserves the right to reject any offer for lack of any data as called for in the schedules and particularly in the technical details.

After the opening, the purchaser shall examine the tenders to determine whether they are complete, whether required confirmations have been furnished, whether the documents have been properly signed and whether the tenders are generally in order. Immediately after opening, the purchaser shall examine each tender to ascertain whether the essential / special terms and conditions are agreed.

27.0 POLICY FOR TENDERS UNDER CONSIDERATION:

The tenders shall be deemed to be under consideration immediately after they are opened and until such time the official intimation of award is made by the purchaser to the Tenderers. While the tenders are under consideration, the Tenderers and/or their representatives or other interested parties are advised to refrain from contacting by any means, the purchaser and/or his employees/representatives on matters related to the tender under consideration. The purchaser, if necessary, shall obtain clarifications on the tender by requesting for such information from any or all the Tenderer sin writing, as may be necessary.

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All unsolicited correspondence, discussions etc. By the Tenderer after opening of the price bid shall not be considered for tender evaluation purpose.

28.0 ACCEPTANCE OF TENDER:

The Purchaser does not bind itself to accept the lowest or any tender, neither will any reasons be assigned for the rejection of any tender or part of tender. It is also not binding on the Purchaser to disclose any analysis report on tender / samples. The Tenderer on the other hand binds himself to supply any item or items selected from his offer in part or whole at the option of the Purchase the Purchaser shall reserve the right to place an order for any quantity in excess to the extent of 50% or any less quantity, of the quantities offered by the Tenderer.

28.1 CONTRACT AGREEMENT:

The agency on placement of the order enumerating the Contract condition shall within the prescribed period have to execute a written agreement on the prescribed standard form as per Company's Rules. The regular stamp fee as per Maharashtra Stamp duty Act 1958 necessary for completing the agreement shall have to be borne by the contractor. Refer Schedule "D"

29.0 WITHDRAWAL OF INVITATION OF TENDER:

The Purchaser reserves its right to withdraw the invitation of tender at any time before its acceptance is communicated to the successful Tenderers.

30.0 NAME OF AGENT / REPRESENTATIVE:

In case the Tenderer authorizes the agent or representative to deal on behalf of the Tenderer, the name and address of such person should be informed to the purchaser.

31.0 NOTIFICATION OF AWARD OF CONTRACT:

The notification of Award of contract shall be communicated to the successful Tenderer by Letter of Award (LOA) by registered post.

32.0 VALIDITY OF THE TENDER:

The Tenderer shall keep the offer valid for acceptance up to and including last date of calendar month, covering the date of completion of 120 days (One Hundred & Twenty Days) from the date of opening of the tender and shall also agree to extend the period of validity required by the Purchaser. The Tenderer shall not be allowed to modify or change the conditions of the tender while extending the period of validity.

Maharashtra State Electricity Distribution Co. Ltd.
Circle office- Nandurbar
(Govt of Maharashtra Undertaking)

ANNEXURE 'B'

CONDITIONS OF TENDER AND SUPPLY

1.0 EFFECT OF CONTRACT:

The contract shall be considered as having come in to force from the date of Notification of Award. The Tenderer whose offer is accepted is hereinafter called "the supplier".

2.0 SECURITY DEPOSIT:

The supplier shall pay within 7 days, Security Deposit @ 10.00% of the value of the order.

The failure to make payment of Security Deposit within 7 days as above will be viewed seriously and the contract awarded shall be liable to be terminated.

The Security Deposit shall be paid in favour of Purchaser by way of:

- (i) Cash or
- (ii) Demand Draft on any Nationalized/Scheduled Bank in Nandurbar Circle Office or
- (iii) When the amount exceeds Rs. 5,000/-, Bank Guarantee from a Nationalized/ Scheduled Bank valid for the guarantee period of last consignment of materials as given in clause no. 23 of conditions of Tender and supply in the standard form of the Purchaser or This Security Deposit in cash or in the form of Bank Guarantee or otherwise is for the due performance of the material/contract and the same shall be liable to apportion towards amount due or becoming due by the supplier on his failure to execute this order or any other contract and in the event of non-fulfilment of the terms and conditions of the contract.

The Security Deposit shall be refunded on the expiry of the guarantee period specified in condition No.23 stated herein below. In case of G.P. Notes the amount of Security Deposit payable should be on the basis of market value of the G.P. notes at the time of presentation of the G.P. Notes

3.0 QUALITY OF SUPPLIES:

All materials supplied shall be strictly as per specification laid down and in accordance with the approved standard samples. In case of any materials for which there are no standard/ approved samples, the supplies shall be of the best workmanship and good quality and this office shall be informed of the progress of manufacture of the material.

4.0 MATERIAL AND COMPONENTS:

The material and components not specifically stated in this specification but which are necessary for satisfactory operation of the equipment / items specified, shall be deemed to be included unless specifically excluded and shall be supplied without any extra cost.

5.0 F.O.R. DESTINATION:

The material is to be supplied at Jalogaon Store office of the Additional Executive Engineer (Stores In charge).

6.0 SAMPLE BEFORE COMMENCING BULK SUPPLIES (Wherever necessary):

TENDER NO SE/NDBR/T-15/2024-25

Before bulk supply to our stores, the supplier shall get one number sample of each item approved within 7 days from the receipt of the order. No bulk supply should be made unless this office approves the sample. The sample so approved, shall be a master sample retained for reference purposes, at stores till the last consignment is dispatched.

The time allowed for commencing delivery includes the time required for getting the sample approved as above. If, however, 7 days from date of receipt of the intimation for sample approval, the period for commencing / completing the supplies will be considered to have been extended by the excess time taken for intimating the approval. If the approval of the sample is not received from the inspecting officer within 7 days, the supplier shall remind this office for the same in writing.

7.0 ACCEPTANCE OF SUPPLIES/INSPECTION:

- a) Materials shall be inspected by the Purchaser's Executive Engineer/or the representative authorized by the Purchaser at Stores/any laboratory.
- b) The supplier shall submit the test Certificates/reports from any approved laboratory or the laboratory of his own for the respective quantity of material.
- c) All the necessary help shall be extended by the supplier to the authorized representative of the Purchaser to carry out testing of equipment/materials.
- d) Verification of metallic composition of fuse wire. MSEDCL reserves the right to draw the samples of fuse wire for verification of metallic composition at the time of manufacturer / from the lot offered for inspection. In addition to this the sample will be drawn from the lot received by the consignee for verification of metallic composition. In the event of metallic composition does not confirm to MSEDCL specification MSEDCL reserved right to cancel the lot at the risk & cost of supplier.

8.0 WAGON LOADS/TRUCK LOADS:

Quantity to be dispatched to consignee may not necessarily be in full wagon load/truck load and may be part load as per the Purchaser's requirements.

9.0 ROAD TRANSPORT:

In case the supplier prefers to dispatch the materials by road transport at his risk and cost and without any extra cost to the Purchaser, the materials shall be accepted only during office hours on working days. The supplier should ensure that the goods reach the stores sufficiently in advance so as to arrange their unloading during office hours, failing which, the Purchaser shall not be liable for unloading and for inconvenience caused to the transport contractor in the form of detention etc. Unloading at stores shall be arranged by the consignee.

10.0 PAYMENT OF FREIGHT CHARGES:

Railway Receipt should be prepaid. In case the freight is not prepaid, the freight charges paid shall be recovered from the supplier with additional 20% amount of freight.

11.0 CLEAR RAILWAY RECEIPT:

Packing used shall be confirming to specifications/conditions laid down by the railways and clear railway receipt shall be obtained by the supplier without any ambiguity, so as to facilitate proper clearance of goods at destination.

12.0 DESPATCH INTIMATION:

The supplier shall inform telegraphically to the consignee details of dispatch giving RR/ LR No., Wagon/Truck No. , Type of wagon, crane able consignment or otherwise, total value of Consignment, etc. to facilitate the consignee to arrange for clearance of goods.

12.1 Delivery period: As per schedule 'A' 30 days from date of receipt confirmed purchase order.

13.0 BILL OF MATERIALS:

The supplier shall furnish bill of materials for each type of equipment/material offered which should be consistent with the drawing, sample, and specification and guaranteed technical particulars. The copies of the bill of materials should always be enclosed along with the bill submitted by the supplier for payment wherein he should specifically mention the materials / components dispatched out of the bill of materials, if

TENDER NO SE/NDBR/T-15/2024-25

the equipment is not sent in totality. Where the equipment/material to be supplied consist of more than one component, the supplier claiming payment for equipment/materials shall certify that all components of the equipment/ material have been supplied in full for the quantity indicated in the invoice. Part payment shall not be allowed.

14.0 PACKING LIST:

Each package shall contain, in waterproof cover, the detailed list indicating the order reference, date, list of content and reference to the approved bill of materials. Each item contained in the package shall be described sufficiently to enable identification of the quantity, weight etc. There should not be any alteration in the packing list incorporated in the order, copy of the packing list should be sent to the consignee along with other documents.

15.0 REPLACEMENT OF GOODS LOST, BROKEN OR DAMAGED:

Notwithstanding anything herein contained, the supplier undertakes to be responsible for the safe arrival of the materials in good condition and without any loss or damage at the final destination and Until the same be actually delivered to and received by the Purchaser at its stores. Materials carried by railways or other carrier shall be deemed to be so carried at the risk of the supplier. In case of transit damage/shortages, the payment shall be made only for the quantity received in good and working condition and the consignee shall lodge claims with carriers and transfer the same to the supplier with all necessary documents for settlement of the same with carriers at the supplier's end. The transit damages/ shortages/losses reported by the consignee shall be repaired/replaced by the supplier duly inspected, free of cost, within one month from the date of such intimation of breakages/ shortages/losses without waiting for settlement of the claims from carrier or insurance co. etc.

16.0 REPLACEMENT OF REJECTED MATERIALS:

If, on inspection at the final destination, the Purchaser discovers any loss in the materials supplied or that they are received in damaged condition or that in the opinion of the Purchaser, they are not of the contracted quality or specification, the Purchaser shall be entitled (notwithstanding that the property in the materials shall have passed on to the Purchaser) to refuse to accept or to reject the materials altogether and claim damages or cancel the contract and buy its requirements from any of its suppliers stipulating earliest possible delivery and in accordance with its tender system against the supplier and recover the damages if any, from the supplier from any outstanding sums that may be due to the supplier from the Purchaser against this contract or against any of the contract entered into with the supplier, without prejudice to other rights and remedies available to it in law and reserving always to itself the right to forfeit the Security Deposit placed by the supplier for the due fulfilment of the contract. In case the stores/ materials are found not in accordance with the prescribed specifications and/or the approved sample, the same will be rejected and the supplier shall replace the rejected stores/materials free of cost within one month from the date of intimation. The replacement of goods shall also have to be got inspected as per inspection clause. Further if the stores/ equipment supplied becomes incomplete on account of either rejection or short supply of its components, the complete cost of the stores/equipment shall be recovered from supplier's bills without notice.

17.0 TOLERANCE IN QUANTITY TO BE SUPPLIED:

Variation in quantity to be supplied against confirmed order shall be permissible up to five percent per item per consignee.

18.0 OCTROI AT DESTINATION:

Octroi charges, if applicable, at destination shall be borne by the supplier.

19.0 SUBMISSION OF BILLS:

No payment shall be made for the supply of equipment/item in part components.

20.0 PAYMENT OF BILLS:

100% payment of the Contract price will be paid by RTGS only within reasonable period as per availability of funds after submission bills in triplicate along with S.R. Note (supplier's copy) to the **Accounts Section of respective Nandurbar Circle**

a. Bill/Invoice.

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- b. Other documents like proof of having paid the Excise Duty as required under the prevailing rules (In case the supplier is a trader, these documents from the original manufacturer of the product shall be produced.), copy of acceptance letter of bank guarantee for Security Deposit, authority of exemption thereof.

Where required by the Purchaser, the successful Tenderer must send the operation and maintenance manuals, test Certificates, drawings etc. for the material ordered. These should be sent immediately after dispatch of material and a statement to that effect should be made in the invoice. Failure to comply with this provision will result in delay in payment of the bill.

The supplier shall forward the original R.R./ L.R. direct to the consignee along with various documents as stated below in this clause. The original bill shall be forwarded to **Superintending Engineer, MSEDCL Nandurbar Circle, Nandurbar** and marked ORIGINAL. **GST Registration** Certificate No. and Date held by him under the Sales Tax Act. The Purchaser shall not be responsible for delay in payment of bills if the supplier fails to comply with any of the above requirements.

- c. **The new payment policy adopted by MSEDCL from 01.05.2018 all vendor payment will made through Centralized Payment System (CPS) for the vendors bank related details and other informations are required which submit in "Annexure-E"**

22.0 TAXES AND DUTIES:

As per "Annexure E" rates are including transportation charge & insurance charge . The GST will be paid extra.. Out of this no additional payment paid to supplier.

22.1 DEDUCTION:

Any amount or amounts which become payable by the supplier to the purchaser under a particular contract, shall be deducted by the purchaser from any amount/amounts due or becoming due to the supplier under the same or any other contract and shall be adjusted against dues to the Purchaser.

23.0 GUARANTEE:

Goods offered shall be guaranteed for a period of 30 months from the date of commissioning or 24 months from the date of dispatch whichever is earlier. The stores/ materials found defective within the above guarantee period shall be replaced /repaired by the supplier free of cost, within one month of receipt of intimation. If the defective store/materials are not replaced /repaired within the specified period as above, the Purchaser shall recover an equivalent amount plus 15 % supervision charges from any of the bills of the supplier. Further, in case of repeated failures of equipments / material, the Purchaser reserves the right to debar/disqualify the supplier for future tenders/orders.

24.0 LIFTING OF REJECTED / DAMAGED MATERIAL:

- a) On failure to replace or repair the transit damaged or rejected material within one month from the date of intimation as required under tender, it shall be deemed to have concluded that such material is finally rejected. The damaged/rejected material shall be lifted by the supplier within 30 days from the date of receipt of notice to that effect from the concerned consignee on reimbursement to the Purchaser of the cost of the material/equipment, if any, already paid in terms of payment clause in the contract and actual expenses incurred by the consignee towards octroi, handling, demurrage/wharfage/ under charges, freight, insurance premium etc. The Purchaser shall not be responsible in any case for the loss, destruction/damage, deterioration of the material after expiry of the said 30 days period.
- b) If the supplier fails to lift the material within this period, the material will remain with the Purchaser at the cost and risk of the supplier. Supplier shall, therefore, be liable to pay ground rent @ 0.1% per day of purchase cost of the material to be lifted from the date of intimation of rejection till the actual date of lifting.
- c) The Purchaser will be also free to dispose of such material, after the period of said 30 days, by Public Auction/Tender Notice/Destruction as may be deemed fit and storage charges @ 0.1 % per day of purchase cost will be recovered from the date of intimation of rejection of materials till the date of realization of the sale amount/physical removal of the material besides the actual expenses incurred as referred to at (a) above.
- d) Not with standing what is contended in the fore going clauses, the supplier shall be liable to pay the Purchaser the cost and expenses incurred by the Purchaser, if any , including ground rent and the same shall be appropriated and recovered from the sale proceeds.

25.0 LIQUIDATED DAMAGES FOR LATE DELIVERY:

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In case the materials are not delivered within the period stipulated in the order, the supplier shall be liable to pay at the discretion of the competent authority of the Purchaser, the liquidated damages to the Purchaser up to half percent per week or part of week on the delayed quantity subject to a maximum of cumulative veiling of 10% reckoned on the contract value of such complete portion or section of the plant, equipment or material delayed and also the portions up applied which could not be brought into commission due to any part thereof not having been delivered in time. Due consideration may be given in the levy of liquidated damages for reasons absolutely be you and the control of the supplier, for which documentary evidence shall be produced to the satisfaction of the competent authority of the Purchaser. The Purchaser shall be entitled to deduct/recover the amount of liquidated damages from the current bill payable to the supplier or any other amount due or payable to him against this or any other contract. For computing the liquidated damages for delayed supplies, the date of railway receipt to or the date of receipt of materials at stores in case of road transport, shall be the date of delivery.

26.0 PERFORMANCE OF CONTRACT:

The Purchaser will not be in any way liable for non-performance either in whole or in part of any contract or for any delay in performance thereof in consequence of strikes, shortage, non-availability of raw materials, combination of labour or workmen or lockout, breakdown or accident to machinery or accidents of whatever nature, failure on the part of the railways to supply sufficient wagons to carry essential raw materials etc. and finished products from the stores, subject to the provision and stipulation made in condition No. 24 as stated above i.e. Liquidated damages for late delivery.

27.0 POWER OF ATTORNEY:

It will be obligatory on the supplier to communicate the revocation of Power of Attorney, if any, after submission of offer till the execution of contract failing which the act(s) & action done by the agent/representative shall be deemed to be the valid act(s) & action of the Tenderer/supplier.

28.0 JURISDICTION:

Any disputes or difference arising under, out of or in connection with this tender or contract if concluded, shall be subject to the exclusive jurisdiction of the "Courts" in **Nandurbar**

29.0 TERMINATION OF CONTRACT:

In case the contractor/supplier fails to deliver the stores/material or any consignment thereof within the contracted period of delivery or in case the stores/materials are found not in accordance with the prescribed specification and the approved samples, the Purchaser shall exercise in discretionary power-either,

- a. to purchase from elsewhere, after giving due notice to the contractor, at the risk of contractor, such stores/material not so delivered or other of similar description,
Withoutcancelling the contract in respect of consignment not yet due for delivery,
- OR**
- b. to cancel the contract reserving Purchaser's right to recover damages, notwithstanding that the powers under (a) and (b) referred above are in addition to the rights and remedy available to the Purchaser under the General Law of India relating to contract.

NOTES:

- (i) In the event of risk purchase of stores of similar description, the option of the Purchaser shall be final. In the event of action taken under (a) or (b) above, the supplier shall be liable for any loss which the Purchaser may sustain on that account but the supplier shall not be entitled to any saving on such purchases made against default.
- (ii) The company reserves its right not to deal with the supplier, whose contract is terminated for whatsoever reasons, for a period from the date of cancellation of contract as may be deemed fit.
- (iii)The company may also blacklist the supplier whose contract is terminated for whatsoever reasons on giving opportunity to show cause for such action to the supplier.
- (iv)The decision of the Purchaser shall be final as regards the acceptability of the stores supplied by the supplier and the Purchaser shall not be required to give any reason in writing or otherwise at any time for the rejection of the stores/materials.

TENDER NO SE/NDBR/T-15/2024-25

Maharashtra State Electricity Distribution Co. Ltd.
Circle office-Nandurbar
(Govt of Maharashtra Undertaking)

ANNEXURE-C

Sr. No	Particulars	
1	Purchase of Tender: Please quote Money Receipt No. or D.D. No. & Date against which Tender is purchased	Yes/No
2	Earnest Money Deposit: E.M.D. paid vide Money Receipt No. & Date (if by cash) or D.D. No. & Date (if by D.D.), BG no & Date & Validity	Yes/No
3	SSI Registration: Whether registered as SSI Unit if yes, quote Registration No. (Please attach attested Xerox copy of SSI Registration)	Yes/No
4	SICOM Eligibility :Whether you hold SICOM eligibility Certificate, if yes, please attach attested copy of Certificate	Yes/No
5	Type of Concern: Whether the unit is Proprietary/Partnership/Private Ltd. Or Limited Company.	
6	Registration with MSEDCL: Whether you are registered with the MSEDCL.	Yes/No
7	Manufacturer or Trader :Whether you are manufacturer or Trader, If Trader, Please indicate the name & Address of Manufacturer, whose product you have offered	
8	Past Performance :Whether you have executed orders of same nature in MSEDCL.(Please attach a copy giving details of orders executed)	Yes/No
9	Monthly Capacity :Assessed capacity per month which can be supplied *	
10	Testing Facilities :Whether the unit is having facility of testing as per relevant ISI	Yes/No
11	Validity of offer :Offer is valid for 120 days	
12	Submission of Sample :Whether sample (if desired) is submitted	Yes/No
13	Income Tax Clearance Certificate :Please enclose latest I.T. Clearance Certificate	Yes/No
14	Annual Turn-Over :Annual Turn – Over for the last 3 years	Yes/No
15	Any other information :	
16	GST Registration No	Yes/No
17	Solvency certificate	Yes/No
18	Type test report: Type test reports of any laboratories accredited by NABL (National Accreditation Board for testing & Calibration l laboratories) should be enclosed where ever it is required.	Yes/No

TENDER NO SE/NDBR/T-15/2024-25**SCHEDULE - `A'****TENDERER'S EXPERIENCE**

Tenderer shall furnish here a list of similar orders executed / under execution by him to whom a reference may be made by purchaser in case he considers such a reference necessary.

Sr. No.	Name of client & Description	Work order No & Date	Value of order	Period of supply & Commissioning	Name and address to whom reference may be made
1					
2					
3					
4					
5					

TENDER NO SE/NDBR/T-15/2024-25**SCHEDULE-B****SECURITY DEPOSIT (BANK GUARANTEE)****Bank Guarantee No: -****Date:-**

The [Name of the Bank and address] hereby agree unequivocally and unconditionally to pay at Nandurbar Circle Office , within 48 hours, on demand in writing from the Maharashtra State Electricity Distribution Co. Ltd. (formerly known as M.S.E.B.) or any officer authorized by it in this behalf, of any amount up to and not exceeding Rs..... (Rupees Only) to the said Maharashtra state Electricity Distribution company Ltd. On behalf of M/S who have tendered and /or contracted or may tender of contract hereafter for supply of material , equipment or services to the Maharashtra state Electricity Distribution company Ltd (formerly known as MSEB) against Order No..... Dt..... Total Value of the order is Rs.....(Rs.....Only).

This agreement shall be valid and bidding on this Bank up to and including (Claim period up to and including) shall not be terminable by notice or any change in the constitutions of bank or the firm of contractors or any reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or between parties to the said within written contract. The Validity of this bank Guarantee will be extended by us for the further period of Six Months, one month prior to its present validity period at the request of Maharashtra State Electricity Distribution Co. Ltd.

In case any dispute arising out of or in connection with the extension or encashment of Bank Guarantee, the court in Nandurbar will have jurisdiction.

Our liability under this Guarantee is restricted to Rs.(Rupees.....only)our guarantee shall remain in force until (claim period up to and including Unless a suit of action to enforce a claim under guarantee is filed against us within six month from the aforesaid date i.e , all rights of Maharashtra state Electricity Distribution company Ltd(formerly known as MSEB)under the said guarantee shall be forfeited and we shall be relieved and discharged from our liability there under.

Notwithstanding anything contained herein:

- 1) Our Liability under this bank guarantee is restricted to..... (Rupees.....only).
- 2) This bank guarantee is valid up to (Claim period up to including).
- 3) We are liable to pay the guarantee amount or any part thereof under this bank guarantee only and only if Maharashtra state Electricity Distribution company Ltd(MSEDCL) serve up on us written claim or demand on or before.....

(Name of Bank)

Date:-

(Rubber seal and code no of signatory)

Place:

TENDER NO SE/NDBR/T-15/2024-25

SCHEDULE-C

LETTER TO THE SUPERINTENDING ENGINEER

To,

The Superintending Engineer
Maharashtra State Electricity Distribution Co. Ltd.
Nandurbar Circle Office,

Dear Sir,

We agree to supply the material the mentioned in the above tender at the rates here in tendered by us subject to the conditions of the tender which we have carefully read and thoroughly understood the same.

We hereby agree to keep this offer open for 120 days after the returnable date of the tender and shall be bound by communication of acceptance dispatched within the prescribed time.

Yours faithfully,

Date:

Name and address of the Tenderer

Seal and signature of the Tenderer.

TENDER NO SE/NDBR/T-15/2024-25**SCHEDULE-D****CONTRACT AGREEMENT**

(To be executed on judicial stamp paper as per Maharashtra Stamp Duty Act 1958)

This agreement made this ____ day of _____ 2024, between the Maharashtra State Electricity Distribution Company Limited Represented by the Supeinteding Engineer, O & M Circle, Nandurbar (hereinafter called “the Employer”) of the one part and _____ of _____ (hereinafter called “the Contractor”) of the other part.

Whereas the Employer desires that the work of Annual contract for the Work of suppling _____ at Nandurbar Circle as and when required (for Tender no. SE/NDBR/T- /2024-25 should be executed by the contractor and has accepted a Bid by the contractor for the execution of such works and the remedying of any defects therein.

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meaning as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and read and constructed as part of this Agreement.
 - (a) The Letter of Award no. _____ dated _____
 - (b) The Bid dated _____
 - (c) Tender Terms & Condition.
 - (d) The Conditions of Contract.
 - (e) The Completed Schedules, and
 - (f) The Contractor’s Proposal.
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned. The Contractor hereby covenants with the Employer to execute and complete the works. Remedy any defects therein and maintain the completed Facilities in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the works, the remedying of defects therein and guarantee of the completed Facilities, the amount of [insert the Contract Price] or such other Sum as may become payable under the provisions of the Contract at the times and the manner prescribed by the Contract.

In Witness whereof the parties hereto have caused this Agreement to be execute the day and year first before written in accordance with their respective laws.

Authority signature of Contractor
SEAL

Authority signature of Employer
SEAL

In the presence of:

Name _____
Signature _____
Address _____

In the presence of:

Name _____
Signature _____
Address _____

TENDER NO SE/NDBR/T-15/2024-25

Sample Form of
BID SECURITY (EMD)
(BANK GUARANTEE)

WHEREAS, _____ [Name of Bidder] (hereinafter called “the Bidder”) has submitted his bid dated _____, 2024, for the supply of _____, including one year guarantee period, and as described in the Tender No _____ in Nandurbar Circle Office (hereinafter called “the Bid”).

KNOW ALL PEOPLE by these presents that We _____ [Name of Bank] of [Name of Country] _____ having our registered office at _____ (hereinafter called “the Bank”) are bound unto the Maharashtra State Electricity Distribution Company Limited, Represented by the Superintending Engineer (Nandurbar Circle Office), address: _____ in the sum of Rs. _____ (Rupees _____ only) for which payment well and truly to be made to the said Employer. The Bank binds himself, its successors and assigns by these presents. This guarantee will be payable at our branch office at _____ [Address of branch office at Nandurbar Circle Office Maharashtra],

SEALED with the Common Seal of the said Bank this _____ day of _____, 2024.

The CONDITIONS of this obligation are:

1. if the Bidder withdraws his Bid during the period of Bid validity specified in the Form of Bid; or
2. if the Bidder refuses to accept the correction of errors in his Bid; or
3. if the Bidder is determined at any time prior to award of contract to have engaged in corrupt or fraudulent practices in competing for the contract; or
4. if the Bidder, having been notified of the acceptance of his Bid by the Employer during the period of Bid validity:
 - a) fails or refuses to execute the Form of Contract Agreement in accordance with the Instructions to Bidders, if required; or
 - b) fails or refuses to furnish the Security deposit, in accordance with the Instructions to Bidders;
5. in case of Joint Venture if there is any breach in the Joint Venture before finalization of tender & issue of LOA within original or extended period of validity of the bid.

we undertake to pay to the Employer up to the above amount upon receipt of its first written demand, without the Employer having to substantiate his demand, provided that in its demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or all of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date 150 days after the deadline for submission of bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE _____

Signature of Bank’s authorized officer

SEAL _____

ANNEXURE 'D'
TECHNICAL SPECIFICATION

Separate file is attached. Technical Specification No. T&QC: MSC-II/Dry Type Current Transformer/2019/06 Date 28.06.2019.

No of pages 28.

Seal and Signature of the Authorized Signatory

TENDER NO SE/NDBR/T-15/2024-25**Annexure-E**

Name of Circle Office:

Vendor Master updation

Sr. No.	1
Name of the Vendor	
Vendor No	
Detailed Address	
Street/Area	
Village/Town	
District	
PIN	
State	
Contact No.	
Nature of Business	
SSI/LSI	
PAN No.	
GSTN No.	
Bank Details	
Bank Account Number	
Bank Name	
Branch Name	
IFSC Code	
MICR Code	
Authorised Signatory of vendor	
Name of Person	
Designation	
Contact No.	
FOR OFFICE USE	
Details Updated By	
Name of Employee	
CPF No	
Designation	
Office Name (Circle /Circle)	
Details Verified By (F&A) Incharge of particular Office.	
Name of officer	
CPF No	
Designation	
Office Name (Circle /Circle)	
Details Consolidated by Zone office -MSEDCL's Zonal (F&A)Officer verified vendor data received from Circle	
Name of Officer	
CPF No	
Designation	
Office Name Zone	

Seal and Signature of the Authorized Signatory

Tender No. SE/NDBR/T-15/2024-25**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.****NANDURBAR CIRCLE.****PRICE BID****To be submitted online in Price Bid Part Only****Annexure –“F”**

Sr.No.	Particulars	F.O.R. Destination Price per Unit in Rs. (Excluding GST)	GST in % & in Rs	Total Rs. =(3+4)	Delivery Period	Make Offered
1	2	3	4	5	6	7
1	Supply of best quality Outdoor , Dry type resin cast, Single Phase, 33KV CT's :- Voltage 33 KV, (CT ratio – 200-100 / 1-1 A), Burden 15/15 /--- VA, IS: 2705, Accuracy class- 0.5 s/5 P10/PS Make :- MSEDCL approved vendor					
2	Supply of best quality Outdoor , Dry type resin cast, Single Phase, 33KV CT's :- Voltage 33 KV, (CT ratio 400– 200 / 1-1-1 A), Burden 15/15 /--- VA, IS: 2705, Accuracy class- 0.5 s/5 P10/PS Make :- MSEDCL approved vendor					
3	Supply of best quality Outdoor , Dry type resin cast, Single Phase, 11KV CT's :- Voltage 11 KV, (CT ratio - 600-300 / 5-5 A), Burden 15/15 /--- VA, IS: 2705, Accuracy class- 0.5 s/5 P10/PS Make :- MSEDCL approved vendor					
4	Supply of best quality Outdoor , Dry type resin cast, Single Phase, 11KV CT's :- Voltage 11 KV, (CT ratio - 600-300 / 5-5- 1 A), Burden 15/15 /--- VA, IS: 2705, Accuracy class- 0.5 s/5 P10/PS Make :- MSEDCL approved vendor					
5	Supply of best quality Outdoor , Dry type resin cast, Single Phase, 11KV CT's :- Voltage 11 KV, CT ratio (400-200-/5-5 A), Burden 15/15 VA, Type : Dry type resin cast IS:2705, Accuracy class 0.5 s/ 5 P10 Make :- MSEDCL approved vendor					

In Words:-**1) Applicable GST _____ % Extra.****2) The above rates are including transportation, loading unloading & insurance up to major store Jalgaon. No extra charges will be paid by MSEDCL.**

I read all terms and condition of tender & agree with above quoted rates.

Seal and Signature of the Authorized Signatory



**Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection & Metering**



Maharashtra State Electricity Distribution Company Limited

SPECIFICATION NO. T&QC: MSC-II/Dry Type Current Transformer/2019/06

Date: 28.06.2019

Technical Specification of
11kV, 22kV and 33kV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection and Metering

For

Distribution System

In

MSEDCL



**Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection & Metering**

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**Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection & Metering**

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

Technical Specification for

11kV, 22kV and 33kV Outdoor Resin Cast (Cycloaliphatic) Dry Type

Current Transformers for Protection and Metering

1.0 Scope :-

- 1.1 This specification covers design, manufacture, assembly, testing before supply, inspection, packing and delivery and other basic technical requirements in respect of 11kV, 22kV, 33kV Outdoor Resin Cast (Cycloaliphatic) Current Transformers for protection and metering to be installed at various 33/11 kV, 33/22 kV, 22/11 kV sub-stations in MSEDCL, Maharashtra. The Outdoor Resin Cast (Cycloaliphatic) Current Transformers to be supplied against this specification are required for vital installations where continuity of service is very important. The design, materials and manufacture of the equipment shall, therefore, be of the highest order to ensure continuous and trouble-free service over the years.
- 1.2 The Outdoor Resin Cast (Cycloaliphatic) Current Transformers offered shall be complete with all parts necessary for their effective and trouble-free operation. Such parts will be deemed to be within the scope of the supply irrespective of whether they are specifically indicated in the commercial order or not.
- 1.3 It is not the intent to specify herein complete details of design and construction. The Outdoor Resin Cast (Cycloaliphatic) Current Transformers offered shall conform to the relevant standards and be of high quality, sturdy, robust and of good design and workmanship complete in all respects and capable to perform continuous and satisfactory operations in the actual service conditions at site and shall have sufficiently long life in service as per statutory requirements.

2.0 System Particulars:-

- | | |
|--|--|
| 2.1 Nominal System Voltage | : 11kV, 22kV, 33kV |
| 2.2 Voltage variation on supply side | : $\pm 10\%$ |
| 2.3 Corresponding Highest System Voltage | : 12kV, 24kV, 36kV |
| 2.4 Frequency | : 50 HZ with $\pm 3\%$ tolerance |
| 2.5 Transient condition | : -20% or +10% combined variation of voltage and frequency |
| 2.6 Number of phases | : 3 Phases |
| 2.7 Neutral Earthing | : Solidly Effectively Earthed |



Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

3.0 Service Conditions:-

A) Outdoor Resin Cast (Cycloaliphatic) Current Transformers to be supplied against this specification shall be suitable for satisfactory continuous operation under the following tropical conditions.

3.1 Maximum ambient Temperature (Degree C)	50
3.2 Maximum temperature in shade (Degree C)	45
3.3 Minimum Temperature (Degree C)	3.5
3.4 Relative Humidity (percent)	10 to 100
3.5 Maximum Annual rain fall (mm)	1450
3.6 Maximum wind pressure (kg/sq.m)	150
3.7 Maximum altitude above mean sea level (Meter)	1000
3.8 Isoceran level (days per year)	50
3.9 Seismic level (Horizontal Acceleration)	0.3g

Moderately hot and humid tropical climate conducive to rust and fungus growth

B) The climatic conditions are prone to wide variations in ambient conditions and hence the Outdoor Resin Cast (Cycloaliphatic) Current Transformers shall be of suitable design to work satisfactorily under these conditions.

4.0 Applicable Standards :-

- 4.1 The design, manufacture and performance of the Outdoor Resin Cast (Cycloaliphatic) Current Transformers shall comply with all currently applicable statutes, regulations and safety codes. Nothing in this specification shall be construed to relieve the bidder off his responsibilities.
- 4.2 Unless otherwise specified, the Outdoor Resin Cast (Cycloaliphatic) Current Transformers offered shall conform to the latest applicable Indian, IEC, British, U.S.A. or International Standards and in particular, to the following:-

Sr. No.	Standards	Particulars
1.	IS 2165	Insulation coordination of highest voltages for equipments
2.	IS 16227 (Part-1)/(Part-2) /2016	Current Transformers
3.	IS 3202	Code of practice for climate proofing of electrical equipments
4.	IS 2071	Method of high Voltage Testing
5.	IS 2147	Degree of protection provided by enclosures for low voltages, Switchgear & Control
6.	IEC 185	Current Transformers



Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

7.	IEC 270	Partial Discharge measurement
8.	IEC 44(4)	Instrument Transformer measurement of PDs
9.	IEC 60	High Voltage Test Techniques
10.	IEC 8263	Method of RIV Tests on high voltage Insulators

5.0 Principal Technical Parameters of Current Transformers:

The equipment covered under this specification shall conform to specific parameters given below:

5.1 Principal Technical Parameters of 11kV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection and Metering

- i) Type of CT : Single Phase, Outdoor, Resin Cast (Cycloaliphatic), Dry Type Current Transformer
- ii) Type of mounting : Pedestal Type
- iii) Nominal System Voltage : 11kV
- iv) Corresponding Highest System Voltage : 12kV
- v) Frequency : 50 Hz with $\pm 3\%$ tolerance
- vi) Neutral Earthing : Solidly Effectively Earthed
- vii) Lightning Impulse Withstand Voltage (kVp) : 75
- viii) One minute dry/wet power frequency Withstand Voltage primary (kV rms) : 28
- ix) Rated Short Time Withstand Current for 1 Second : 13.1
- x) Rated Dynamic Withstand Current (kAp) : 32.75
- xi) Minimum Creepage Distance (mm) : 300
- xii) Clear height of bushing (Bird Clearance in mm) : 370
- xiii) Power Frequency Over Voltage Withstand requirement for Secondary winding (kVrms) : 3kV
- xiv) Instrument Security Factor : 5 or less for Metering Core
- xv) The die-electric withstand values of External & Internal Insulation : 28 kV/75 kVp
- xvi) Rated Continuous Thermal Current (A) : 120% of the rated Primary current
- xvii) Temperature rise : As per IS: 16227(Part-1) & IS: 16227 (Part-2) 2016
- xviii) Ratio taps : Achievable by secondary side reconnection
- xix) Max. Radio Interference Voltage : Less than 500 micro volts
- xx) Core I : Metering

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Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

xxi) Core II	: Protection
xxii) CT Ratio	: Incomer bay : 600-300/5-5A and Feeder : 400-200-100/5-5A
xxiii) Burden	: 15VA/-
xiv) Class of Accuracy	: 0.2S/5P10
xxv) Minimum Knee Point Voltage at lowest ratio for Protection Core Only	: 15x(Rct+19)
xxvi) Maximum magnetizing Current at guarantee knee point for protection core only	: 100mA
xxvii) Primary Terminal requirement	: Two, 30mm Dia. x 80mm Length
xxviii) Mounting Frame size requirement (mm×mm) and mounting hole diameter(mm)	: 350mmx350mm, Mounting Holes - Dia. 30mm

5.2 Principal Technical Parameters of 22kV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection and Metering

i) Type of CT	: Single Phase, Outdoor, Resin Cast (Cycloaliphatic), Dry Type Current Transformer
ii) Type of mounting	: Pedestal Type
iii) Nominal System Voltage	: 22kV
iv) Corresponding Highest System Voltage	: 24kV
v) Frequency	: 50 Hz with $\pm 3\%$ tolerance
vi) Neutral Earthing	: Solidly Effectively Earthed
vii) Lightning Impulse Withstand Voltage (kVp)	: 125
viii) One minute dry/wet power frequency Withstand Voltage primary (kV rms)	: 50
ix) Rated Short Time Withstand Current for 1 Second	: 26.2
x) Rated Dynamic Withstand Current (kAp) (kAp)	: 65.5
xi) Minimum Creepage Distance (mm)	: 600
xii) Clear height of bushing (Bird Clearance in mm)	: 450
xiii) Power Frequency Over Voltage Withstand requirement for Secondary winding (kVrms)	: 3kV
xiv) Instrument Security Factor	: 5 or less for Metering Core
xv) The die-electric withstand values of External & Internal Insulation	: 50kV/125kVp

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Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

xvi) Rated Continuous Thermal Current (A)	: 120% of the rated Primary current
xvii) Temperature rise	: As per IS: 16227(Part-1) & IS: 16227 (Part-2) 2016
xviii) Ratio taps	: Achievable by secondary side reconnection
xix) Max. Radio Interference Voltage	: Less than 500 micro volts
xx) Core I	: Metering
xxi) Core II	: Protection
xxii) CT Ratio	: Incomer bay : 600-300/5-5A and Feeder : 400-200-100/5-5A
xxiii) Burden	: 15VA/-
xiv) Class of Accuracy	: 0.2S/5P10
xv) Minimum Knee Point Voltage at lowest ratio for Protection Core Only	: $15 \times (R_{ct} + 19)$
xvi) Maximum magnetizing Current at guarantee knee point for protection core only	: 100mA
xxvii) Primary Terminal requirement	: Two, 30mm Dia. x 80mm Length
xxviii) Mounting Frame size requirement (mm×mm) and mounting hole diameter(mm)	: 350mm×350mm, Mounting Holes - Dia. 30mm

5.3 Principal Technical Parameters of 33kV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection and Metering

i) Type of CT	: Single Phase, Outdoor, Resin Cast (Cycloaliphatic), Dry Type Current Transformer
ii) Type of mounting	: Pedestal Type
iii) Nominal System Voltage	: 33kV
iv) Corresponding Highest System Voltage	: 36kV
v) Frequency	: 50 Hz with $\pm 3\%$ tolerance
vi) Neutral Earthing	: Solidly Effectively Earthed
vii) Lightning Impulse Withstand Voltage (kVp)	: 170
viii) One minute dry/wet power frequency Withstand Voltage primary (kV rms)	: 70
ix) Rated Short Time Withstand Current for 1 Second	: 26.2
x) Rated Dynamic Withstand Current (kAp)	: 65.5



Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

xi) Minimum Creepage Distance (mm)	: 900
xii) Clear height of bushing (Bird Clearance in mm)	: 450
xiii) Power Frequency Over Voltage Withstand requirement for Secondary winding (kVrms)	: 3kV
xiv) Instrument Security Factor	: 5 or less for Metering Core
xv) The die-electric withstand values of External & Internal Insulation	: 70 kV/170 kVp
xvi) Rated Continuous Thermal Current (A)	: 120% of the rated Primary current
xvii) Temperature rise	: As per IS: 16227(Part-1) & IS: 16227 (Part-2) 2016
xviii) Ratio taps	: Achievable by secondary side reconnection
xix) Max. Radio Interference Voltage	: Less than 500 micro volts
xx) Core I	: Metering
xxi) Core II & III	: Protection
xxii) CT Ratio	: Incomer bay: 400-200-100/1-1-1A (3 Core) 400-200-100/1-1A (2 Core)
xxiii) Burden	: 20VA/-/- 20VA/-
xxiv) Class of Accuracy	: 0.2S/5P10/PS 0.2S/5P10
xxv) Minimum Knee Point Voltage at lowest ratio for Protection Core Only	: 15x(Rct+19)
xxvi) Maximum magnetizing Current at guarantee knee point for protection core only	: 100mA
xxvii) Primary Terminal requirement	: Two, 30mm Dia. x 80mm Length
xxviii) Mounting Frame size requirement (mm×mm) and mounting hole diameter(mm)	: 450mmx450mm, Mounting Holes - Dia. 30mm

6.0 General Technical Requirements of Current Transformers :-

6.1 Resin Cast Assembly :-

The Resin Cast assembly shall be of a single piece construction without any joint or coupling. The vertical clearance of Live part to Ground shall be at least 370 mm for 11 KV Current Transformer and 450 mm for both 22KV & 33KV.

6.2 Insulation Material:-

Insulation Material used for Current Transformer should be Cycloaliphatic Epoxy Resin Cast having Insulation Class B. The insulation of the Current Transformers shall



Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

be so designed that the internal insulation shall have higher electrical withstand capability than the external insulation. The dielectric withstand values specified in this specification are meant for fully assembled Current Transformer. The temperature rise on any part of equipment shall not exceed the maximum temperature rise limits specified in relevant IS.

6.3 Earthing :-

The Current Transformer shall be provided with Two separate Earthing Terminals for bolted connection to MS flat. The size of two numbers of Earthing Terminals shall be 16 mm Dia. x 30 mm length, Hot Dip Galvanized with one plain washer and one nut.

6.4 Name Plate and Rating Plate:-

The Current Transformer shall be provided with non-corrosive, legible Name plate, with the information specified in relevant standards, duly engraved / punched on it. The Current Transformer shall be provided with a rating plate with dimensions and marking as per IS - 16227. The markings shall be punched and not painted. The serial number and code of the supplier shall also be punched on the Current Transformer to identify the unit in case of loss or damage to the rating plate.

6.5 Mounting Details :-

Mounting details for fixing the Current Transformer on supporting structure shall be strictly in accordance with the specified details as follows:

For 11KV & 22KV Current Transformer requirement of Mounting Frame size is 350 mm x 350 mm with mounting holes of Dia. 30mm.

For 33KV Current Transformer requirement of Mounting Frame size is 450 mm x 450 mm with mounting holes of Dia. 30mm.

The Terminal connectors required for connection of the Current Transformer are in the scope of purchaser.

6.6 Primary Winding :-

- i) Primary winding shall be Wound Type. The primary winding conductor shall be high conductive (electrolytic grade) copper without any joint. Type of insulation used shall be described in the offer. For Primary Winding, current densities shall not exceed the limit 1.6 A/Sq.mm. for highest current ratio.
- ii) Enamel, if used for conductor insulation, shall be either polyvinyl acetate type or amide type and shall meet the requirements of IS - 4800. Polyester enamel shall not be used.
- iii) The design density for short circuit current as well as conductivity of the metal used for primary winding shall meet the relevant requirement of IS:16227-2016.
- iv) The bidder shall, in his offer furnish detailed calculations for selection of winding cross sections. The cross section area of Primary Winding, cross section area of Secondary Winding, number of Primary Turns, number of Secondary Turns, Current Density etc. shall be mentioned by the bidder. The rating and the diagram plates should indicate the connection arrangement / diagram.



**Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection & Metering**

v) The Primary Winding shall be designed for extended primary current at 120% of rated primary current.

6.7 Secondary Winding :-

i) Suitably insulated copper wire of electrolytic grade shall be used for Secondary Windings. Type of insulations used shall be described in the offer. For multi-ratio design, the multi-ratio shall be achieved by reconnection of the Secondary Windings. The cross section area of Secondary Winding, number of Secondary Turns, Current Density etc. shall be mentioned by the bidder.

ii) The excitation current of the CT shall be as low as possible. The bidder shall furnish, along with his offer, the magnetizing curves for all the cores.

6.8 Primary Terminals :-

Each Primary Terminal shall be made out of 1 rod (stud) of 30 mm Dia. x 80 mm length. The primary Terminal shall be of heavily tinned electrolytic copper of 99.9% conductivity. The minimum thickness of tinning shall be 15 microns.

6.9 Secondary Terminals :-

i) Secondary Terminals shall be brought out in a weatherproof metallic Terminal box. The Terminal box shall be provided with removable gland plate and glands. The cable glands shall be suitable for 1100 volts grade plate PVC insulated, PVC sheathed multi core stranded 6 Sq.mm copper conductor cable. This Terminal box shall be dust and vermin proof. The dimensions of the Terminal box and its opening shall be adequate to enable easy access and working space with the use of normal tools.

ii) Secondary Terminal studs shall be provided with at least 3 nuts and adequate plain and spring washer for fixing the leads. The studs, nuts and washer shall be made of brass duly nickel-plated. The minimum outside diameter of stud shall be 6 mm. The length of at least 15 mm shall be available on the studs for inserting the leads. Horizontal spacing between centers of adjacent studs shall be at least 1.5 times the circum dia. of the nuts. The Current Transformer shall be provided with CT ratio changing facility on secondary side only.

6.10 Lifting arrangement :

The C.T. shall be Outdoor Cycloaliphatic Epoxy Resin Cast and shall be so constructed that it can be easily transported to site within the allowable transport limitation. CT shall be provided with lifting lugs suitably located for easy mounting, dismantling & transportation purpose. The lifting arrangement shall be positioned in such a way as to avoid any damage.

6.11 Current Transformer characteristic shall be such as to provide satisfactory performance for burdens ranging from 25 % to 100% of rated burden over a range of 5 % to 120% of rated current in case of metering CTs and up to accuracy limit factor / knee point voltage in case of protection CTs.

Polarity shall be invariably marked in each Primary and Secondary terminal. Facility shall be provided for short circuiting and grounding of the CT secondary terminals inside the terminal box.



Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

The Instrument Security Factor of metering core shall be less than 5. This shall be demonstrated on all the ratios of metering core in accordance with procedure specified in IEC-185 or IS: 16227-2016.

- 6.12** The antitracking paint shall be applied to CT, the colour shall be Light admiralty grey
- Shade No. 697 as per IS 5.

7.0 Tests :

A) Type Test:

The Current Transformer offered in the Bid should have been successfully type tested at NABL laboratories for the tests indicated as follow in line with the relevant standard and technical specification. These Type Tests should have been carried out within five years prior to the date of opening of tender. The bidder shall be required to submit complete set of the type test reports along with the offer.

In case these type tests are conducted earlier than five years, all the type tests as per the relevant standard shall be carried out by the successful bidder at NABL in presence of purchaser's representative free of cost before commencement of supply. The undertaking to this effect should be furnished along with the offer without which the offer shall be liable for rejection.

If there is any change in the design/ type of old type tested current transformers to be offered against this specification, then the offer is considered for placement of order. However, successful bidders have to carry out the said type tests on offered type equipment before commencement of supply at their own expense.

Type Tests :

- 1) Temperature Rise Test
- 2) Impulse Voltage Withstand Test on Primary Terminals
- 3) Wet Test for outdoor Type Transformers
- 4) Tests for accuracy
- 5) Short Time Current Test

B) Acceptance & Routine Tests :-

All acceptance and routine tests as stipulated in the respective applicable standards amended up-to-date for current transformer shall be carried out by the supplier in the presence of purchaser's representative without any extra cost to the purchaser before dispatch.

The bidder shall have full facilities to carry out all the acceptance and routine test as per the applicable standards.

After finalization of the program of type/acceptance/routine testing, the supplier shall give three weeks advance intimation to the purchaser, to enable him to depute his representatives for witnessing the tests.

Acceptance & Routine Tests:

- 1) Power frequency voltage Withstand Test on Primary Terminals



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- 2) Partial discharge measurement
- 3) Power frequency voltage Withstand Test between sections
- 4) Power frequency voltage Withstand Test on secondary Terminals
- 5) Tests for accuracy
- 6) Verification of marking
- 7) Determination of the secondary winding resistance
- 8) Determination of the secondary winding loop time constant
- 9) Test for rated knee point e.m.f. and exiting current at rated knee point e.m.f.
- 10) Inter turn over voltage test

8.0 Inspection:-

- i) The inspection may be carried out by the purchaser at any stage of manufacture. The successful bidder shall grant free access to the purchaser's representative at any reasonable time when the work is in progress. All facilities must be made available by supplier/ manufacturer for unrestricted inspection of the works, raw material & manufacture of all the accessories & for conducting necessary tests as declared therein.
- ii) The supplier shall keep the purchaser informed, in advance, of the time of starting and of the progress of manufacture of current transformer in its various stages so that arrangement should be made for inspection.
- iii) No current transformer shall be dispatched from its point of manufacture unless the current transformer has been satisfactorily inspected and tested.
- iv) Inspection and acceptance of any current transformer under this specification by the purchaser shall not relieve the supplier of his obligation of furnishing current transformer in accordance with the specification and shall not prevent subsequent rejection, if the current transformer is found to be defective.

9.0 Qualifying requirements:-

The Bidder should have proven experience of not less than 5 years in design, manufacture, supply, and testing at works for the current transformer offered of equal or higher voltage class. The current transformer offered by the Bidder should be in successful operation at least for 2 years as on the date of submission of the tender.

10.0 Quality Assurance Plan :-

- A) The Bidder shall invariably furnish the following information along with his offer, failing which his offer shall be liable for rejection. Information shall be given for offered Current Transformer.
 - i) Statement giving list of important raw materials, including but not limited to:
 - a. Conductor
 - b. Insulation/ core material
 - c. Sealing material
 - d. Insulated Wire
 - ii) Names of sub suppliers for the raw materials, list of standards according to which the raw materials are tested, list of Tests normally carried out on raw materials in presence of bidder's representative, copies of Test Certificates. Information and copies of Test Certificates as in (i) above in respect of bought out materials.



Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

- iii) List of manufacturing facilities available. In this list the bidder shall specifically mention whether lapping machine, vacuum drying plant, air-conditioned dust free room with positive air pressure for provision of insulation, facility for testing tan-delta of insulation at rated voltage etc. are available as in house testing facilities or hired services.
 - iv) List of areas in manufacturing process, where stage inspections are normally carried out for quality control and details of such tests and inspections.
 - v) Special features provided in the equipment to make it maintenance free.
- B) The successful Bidder shall, within 30 days of placement of order, submit following information to the Purchaser.
- i) List of raw materials as well as bought out accessories and the names of sub suppliers selected from those furnished along with offer.
 - ii) Test Certificates of the raw material and bought out accessories.
 - iii) Quality assurance plan (QAP) with hold points for purchaser's inspection. The quality assurance plan and purchaser's hold points shall be discussed between the purchaser and supplier, before the QAP is finalized.
- C) The successful Bidder shall submit the routine test certificates of bought out accessories at the time of routine testing of the fully assembled Current Transformer.

11.0 Performance Guarantee:

The equipment offered shall be guaranteed for satisfactory performance for a period of 30 months from the date of receipt of complete equipment at site in good condition or 24 months from the date of satisfactory commissioning, whichever is earlier. In case of failure within this period, the supplier shall make necessary repairs / replacement of the faulty current transformer at no extra cost to the purchaser.

12.0 Documentation:-

A) List of Drawings & Documents :-

The bidder shall furnish two sets of the following drawings along with his offer.

- a) General outline and assembly drawings of the equipment
- b) Graphs showing the performance of equipments in regard to Magnetization Characteristic.
- c) Sectional views showing :-
 - i) General Constructional features of Current Transformer, size of conductor, it's cross section, Clearance between live part & ground along with all Technical details.
 - ii) The insulation, the winding arrangements, method of connection of the primary / secondary winding to the primary / secondary terminals etc.



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- d) Arrangement of secondary Terminal box & details of connection studs provided.
 - e) Name Plate
 - f) Schematic drawing
 - g) Type Test reports in case the equipment has already been type tested.
 - h) Test reports, literature, pamphlets of the bought out items, and raw material
 - i) Bill of material and packing list.
- B)** The successful bidders shall submit three sets of final versions of all the above said drawings in line with Technical Specifications & Drawings attached for purchaser's approval after placement of LOA. The purchaser shall communicate his comments / approval on the drawings to the supplier within two weeks. The supplier shall, if necessary, modify the drawings and resubmit three copies of the modified drawings for purchaser's approval within two weeks from the date of purchaser's comments. Chief Engineer (Testing & QC Cell) will convey the drawing approval.
- C)** Adequate copies of acceptance and routine Test Certificates, duly approved by the purchaser, shall accompany the dispatched consignment.
- D)** The manufacturing of the current transformers shall be strictly in accordance with the approved drawings and no deviation shall be permitted without the written approval of the purchaser. All manufacturing and fabrication work in connection with the current transformers prior to the approval of the drawing shall be at the supplier's risk.
- E)** One set of nicely printed and bound volume of operation, maintenance and erection manuals in English language per Current Transformer of each voltage rating shall be submitted by the supplier to respective consignees along with the dispatch documents of each unit. The manual shall contain all the drawings and information required for erection, operation and maintenance of the Current Transformer. The manual shall also contain a set of all the approved drawings, Type Test reports etc.
- F)** Approval of drawings by purchaser shall not relieve the supplier of his responsibility and liability for ensuring correctness and correct interpretation of the drawings for meeting the requirement of the Technical Specification, latest revision of applicable standards, rules and codes of practices. The equipment shall conform in all respects to high standards of engineering, design, workmanship and latest revisions of relevant standards at the time of ordering and purchaser shall have the power to reject any work or materials which, in his judgment, is not in full accordance therewith.

13.0 Packing & Forwarding :-

- i) The current transformers shall be packed in wooden crates of good quality and shall be suitable for vertical / horizontal transportation as the case may be, and suitable to withstand handling during transport and outdoor storage in stores before erecting. The supplier shall be responsible for any damage to the equipment during transit, due to improper and inadequate packing. The easily damageable material shall be carefully packed and marked with the appropriate caution symbols. Wherever necessary, proper arrangement for lifting, such as lifting hooks etc. shall be provided.



Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

- Any material found short inside the packing cases shall be supplied by supplier without any extra cost.
- ii) Each consignment shall be accompanied by a detailed packing list containing the following information:
- Name of the consignee
 - Details of consignment
 - Destination
 - Total weight of consignment
 - Sign showing upper / lower side of the crate
 - Handling and unpacking instructions
 - Bill of material indicating contents of each package
- iii) The supplier shall ensure that the packing list and bill of material are approved by the purchaser before dispatch.

14.0 Information to be filled / furnished invariably by Bidder:

The offer shall be complete in all respects, failing which the same are liable for rejection. Guaranteed technical particulars for current transformer shall be elaborate and complete in all respects. It may be noted that the technical evaluation of the tender is made mainly based on the guaranteed technical particulars and deviations from the specifications furnished along with the technical offer.

15.0 Guaranteed Technical Particulars :

The bidder should fill up the details in schedule A – 'Guaranteed Technical Particulars' and the statement such as "as per drawing enclosed", "as per MSEDCL requirement", "as per IS", "as per specification" etc. shall be considered as details not furnished and such offers will be rejected.

16.0 Schedules :-

The bidder shall fill in the following Schedule which forms part of the Tender Specification and offer. If the schedules are not submitted duly filled in with the offer, the offer shall be liable for rejection.

SCHEDULE – 'A ' - Guaranteed Technical Particulars of 11kV, 22kV & 33kV Resin Cast (Cycloaliphatic) Dry Type Current Transformers (Protection & Metering)

SCHEDULE – 'B ' - List of Type Test Reports to be enclosed with the offer

SCHEDULE – 'C ' - Schedule of Deviations from Specification

SCHEDULE – 'D ' - Schedule of Bidder's Experience

SCHEDULE – 'E ' - Schedule of Deviations from Specified Standards

SCHEDULE – 'F' - Deviations from specified Test requirements specified in Relevant Standards and Present Specification

SCHEDULE – 'G ' - Proforma of Undertaking

The Bidder shall submit the list of orders for similar type equipments executed or under execution during last five years, with full details, in the schedule of Bidders experience (Schedule 'D') to enable the purchaser to evaluate the tender. In case the



Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

equipments are being designed and manufactured in collaboration with other manufacturer, the following additional information shall be submitted by the Bidder along with his offer.

- (i) Copy of collaboration agreement executed between the bidder and the collaborator.
- (ii) List of orders for similar equipments, executed / being executed by the collaborator during last ten years and performance certificate for seven years of satisfactory operation.

MSEDCL



Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

ANNEXURE - A
Principal Technical Parameters of 11kV & 22kV
Resin Cast (Cycloaliphatic) Dry Type Current Transformers
(Protection & Metering)

Sr. No.	Item	Specification			
1.	Type of CT/Installation	Single Phase, Outdoor, Resin Cast Dry Type Current Transformer (Cycloaliphatic)			
2.	Type of mounting	Pedestal Type			
3.	Suitable for frequency	50 Hz with $\pm 3\%$ tolerance			
4.	Method of Earthing system to be connected to	Solidly Effectively Earthed			
5.	Rated Continuous Thermal Current (A)	120% of the rated Primary current			
6.	Acceptable limit of temperature rise above the specified ambient temperatures for continuous operation at rated current	As per IS: 16227(Part-1) & IS:16227(Part-2) 2016			
7.	Max. Radio Interference Voltage at 1.1 times rated voltage	Less than 500 micro volts			
8.	Core details				
Purpose of core	11 kV CT		22 kV CT		
	I/C	O/G	I/C	O/G	
	Core I for Metering & Core II for Protection	Core I for Metering & Core II for Protection	Core I for Metering & Core II for Protection	Core I for Metering & Core II for Protection	
CT Ratio	600-300/5-5A	400-200-100/5-5A	600-300/5-5A	400-200-100/5-5A	
VA Burden	15/-	15/-	15/-	15/-	
Class of Accuracy	0.2S/5P10	0.2S/5P10	0.2S/5P10	0.2S/5P10	
Minimum Knee Point Voltage at lowest ratio	15x(Rct+19) for Protection Core only	15x(Rct+19) for Protection Core only	15x(Rct+19) for Protection Core only	15x(Rct+19) for Protection Core only	
Maximum magnetizing Current at guarantee knee point	100 mA for protection core only	100 mA for protection core only	100 mA for protection core only	100 mA for protection core only	

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Date 28.06.2019

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Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

	Technical Particulars	11 kV	22 kV
9.	Rated Voltage / HSV (kVrms)	11kV/12kV	22kV/24kV
10.	Lightning Impulse Withstand Voltage (kVp)	75	125
11.	One minute dry/wet power frequency withstand voltage primary (kV rms)	28	50
12.	Rated Short Time Withstand Current for 1 Second duration (kA rms)	13.1	26.2
13.	Rated Dynamic Withstand Current for 1 second duration (kAp)	32.75	65.5
14.	Minimum Creepage Distance (mm)	300	600
15.	Primary Terminal requirement	Two, 30 mm Dia. × 80 mm length	
16.	Mounting Frame size requirement (mm×mm), mounting holes diameter (mm)	350mmx350mm, Mounting Holes - Dia. 30mm	
17.	Power Frequency Over Voltage withstand requirement for Secondary winding (kvrms)	3kV	
18.	Instrument Security Factor	5 or less for Metering Core	
19.	The die-electric withstand values of External & Internal Insulation	28 kV/75 kVp	50 kV/125 kVp



Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

**ANNEXURE - B
Principal Technical Parameters of 33 kV
Resin Cast (Cycloaliphatic) Dry Type Current Transformers
(Protection & Metering)**

Sr. No.	Item	Specification
1.	Type of CT/ Installation	Single Phase, Outdoor, Resin Cast Dry Type Current Transformer (Cycloaliphatic)
2.	Type of mounting	Pedestal type
3.	Suitable for system frequency	50 Hz
4.	Ratio taps	Achievable by secondary side reconnection
5.	Method of Earthing system to be connected to	Solidly Effectively Earthed
6.	Rated continuous thermal current (A)	120% of the rated primary current
7.	Acceptable limit of temperature rise above the specified ambient temperatures for continuous operation at rated current	As per IS: 16227 (Part-1) & IS: 16227 (Part-2) 2016
8.	Max. radio interference voltage at 1.1 times the rated voltage	Less than 500 micro volts
9.	Current Ratio for Nominal system Voltage of 33KV	400-200-100/1-1-1A, (3 Core) 400-200-100/1-1A, (2 Core)
10.	Rated Voltage / HSV (kV rms)	33kV / 36kV
11.	Lightning Impulse Withstand Voltage(kVp)	170
12.	One minute dry /wet power frequency withstand voltage primary (kV rms)	70
13.	Rated short time withstand current for 1 Second Duration (kA rms)	26.2
14.	Rated dynamic withstand current for 1 second duration (kAp)	65.5
15.	Minimum creepage distance (mm)	900
16.	Primary Terminal requirement	Two, 30mm Dia.×80 mm length
17.	Mounting Frame size requirement (mm×mm), mounting holes diameter (mm)	450mmx450mm, Mounting Holes - Dia. 30mm
18.	Power frequency over voltage withstand requirement for Secondary winding (kVrms)	3kV

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**Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection & Metering**

19.	Core details (3Core)				
		Core No.	I	II	III
	1.	Purpose	M	P	P
	2.	Burden (VA)	20	-	-
	3.	Class of Accuracy	0.2S	5P10	PS
	4.	Minimum Knee Point Voltage at lowest ratio (Volt)	-	15x(Rct+19)	15x(Rct+19)
20.	5.	Maximum magnetizing current at guarantee knee point voltage (mA)	-	100	100
	Core details (2Core)				
		Core No.	I	II	
	1.	Purpose	M	P	
	2.	Burden (VA)	20	-	
	3.	Class of Accuracy	0.2S	5P10	
21.	4.	Minimum Knee Point Voltage at lowest ratio (Volt)	-	15x(Rct+19)	
	5.	Maximum magnetizing current at guarantee knee point voltage (mA)	-	100	
21.	Instrument Security Factor		5 or less for Metering Core		
22.	The die-electric withstand values of External & Internal Insulation		70 kV/170 kVp		



**Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection & Metering**

SCHEDULE 'A'

**Guaranteed Technical Particulars of 11kV, 22kV & 33kV
Resin Cast (Cycloaliphatic) Dry Type Current Transformers
(Protection & Metering)**

Sr. No.	Particular of GTP Parameter	Type
1.	Manufacturer's Name & address	TEXT
2.	Manufacturer's Type Designation	TEXT
3.	Type of Mounting	TEXT
4.	Equipment Conforming to Standards	TEXT
5.	Rated Voltage/Highest System Voltage in KV	TEXT
6.	Rated Primary Current (Amp)	TEXT
7.	Rated Secondary Current (Amp)	TEXT
8.	Frequency (HZ)	TEXT
9.	Ratio of Current Transformer	TEXT
10.	Details of Cores	
	Core (I II III)	TEXT
i)	Purpose	TEXT
ii)	Burden (VA)	TEXT
iii)	Class of Accuracy	TEXT
iv)	Minimum knee point Voltage at lowest ratio (V)	TEXT
v)	Maximum magnetizing Current at guarantee knee point voltage (mA)	TEXT
11.	Secondary resistance corrected to 75°C (in Ohm)	TEXT
12.	Rated Short Time Withstand Current for 1 Sec. duration	TEXT
13.	Rated Dynamic Withstand Current (KAp)	TEXT
14.	Ratio Selection	TEXT
15.	Method of Earthing system to be connected to	TEXT
16.	One minute Dry Power Frequency Withstand Voltage (KV rms) of Primary Winding	TEXT
17.	One minute Wet Power Frequency Withstand Voltage (KV rms) of Primary Winding	TEXT
18.	1.2/50 micro-second Impulse Withstand Voltage (KVP)	TEXT
19.	The die-electric Withstand values (KVp) of external & internal insulation	TEXT
20.	One minute Power Frequency Withstand Voltage (KV rms) of Secondary Winding	TEXT
21.	Minimum Creepage Distance (mm)	TEXT



Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers for Protection & Metering

22.	Total Weight (KG)	TEXT
23.	Mounting details	TEXT
24.	Overall dimension	TEXT
25.	Magnetization Curves are submitted? (Y/N)	TEXT
26.	Type of Winding	TEXT
27.	Material of Winding	TEXT
28.	Size & Cross Section of Primary Winding	TEXT
29.	Size & Cross Section of Secondary Winding	TEXT
30.	No. of Primary Turns	TEXT
31.	No. of Secondary Turns	TEXT
32.	Current Density of Primary & Secondary Winding (max. - 1.6A/sq.mm)	TEXT
33.	Primary Terminal	TEXT
34.	Type of Insulation	TEXT
35.	Whether Current Transformer confirms to Temperature Rise limits	TEXT
36.	Whether Type test reports (within five years) as per Technical Specification are submitted ? (Y/N)	TEXT
37.	Whether Experience Sheet is submitted along with the offer? (Y/N)	TEXT
38.	Whether Two year continuous servicing performance certificate is submitted along with the offer? (Y/N)	TEXT
39.	Whether Turn over sheet is submitted along with the offer? (Y/N)	TEXT
40.	Whether Drawings are submitted along with the offer? (Y/N)	TEXT
41.	Partial Discharge level	TEXT
42.	Rated continuous Thermal Current (120% of the rated Primary Current)	TEXT
43.	Instrument Security Factor (ISF ≤ 5)	TEXT
44.	Class of Insulation	TEXT
45.	Actual clearance between live part & ground (mm)	TEXT



**Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection & Metering**

SCHEDULE 'B'

List of Type Test Reports to be enclosed with the offer

Sr. No.	Description of Type Test	Type & Make of Current Transformer & its rating	IS/IEC Clause No.	Testing Lab. & Date of Testing	Type test report No., dt & pages	Whether certificate of compliance with IS/IEC is enclosed with T.R.
11kV/22kV/33kV Resin Cast (Cycloaliphatic) Dry Type Current Transformers						
1.	Temperature Rise Test					
2.	Impulse Voltage Withstand Test on Primary Terminals					
3.	Wet Test for outdoor Type Transformers					
4.	Tests for accuracy					
5.	Short Time Current Test					

Name of the firm_____

Signature of the bidder_____

Designation_____

Date_____



**Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection & Metering**

SCHEDULE ' C '

Schedule of Deviations from Specification

Sr. No.	Clause No.	Details of Deviations
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

Name of the firm_____

Signature of the bidder_____

Designation_____

Date_____



**Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection & Metering**

SCHEDULE 'D'

Schedule of Bidder's Experience

Bidder shall furnish here a list of similar orders executed/under execution by him to whom a reference may be made by Purchaser in case he considers such a reference necessary.

Sr. No.	Name of Client & Description order	Value of order along with size & qty	Period of supply and commissioning	Name & Address to whom reference may be made
1.				
2.				
3.				
4.				
5.				
6.				
7.				

Name of the firm_____

Signature of the bidder_____

Designation_____

Date_____



**Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection & Metering**

SCHEDULE 'E'

Schedule of Deviations from Specified Standards

Sr. No.	Particulars	Stipulation of specified standard		Stipulation of standard adopted by bidder		Remarks
		Standard ref.	Stipulations	Standard ref.	Stipulations	
1.						
2.						
3.						
4.						
5.						
6.						
7.						

Name of the firm_____

Signature of the bidder_____

Designation_____

Date_____



**Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection & Metering**

SCHEDULE 'F'

**Deviations from specified Test requirements specified in Relevant Standards
and Present Specification**

Sr. No.	Name of Test	Standard No. & Clause No.	Requirement of standards	Proposed deviation	Reasons for deviation.
1.	Type Test				
2	Additional Test				
3	Acceptance Test				
4	Routine Test				

Name of the firm_____

Signature of the bidder_____

Designation_____

Date_____



**Technical Specification of 11KV, 22KV & 33KV Outdoor Resin Cast (Cycloaliphatic) Dry Type
Current Transformers for Protection & Metering**

SCHEDULE 'G'

Proforma Of Undertaking

We hereby confirm that 11kV, 22kV and 33kV Outdoor Resin Cast (Cycloaliphatic) Dry Type Current Transformers offered by us against this tender are of the same design and type as have been supplied to M.S.E.D.C.L. against earlier order No. _____ dtd. _____ and all the Type Test Reports thereof were approved by C.E. (Testing & QC Cell) vide letter No. _____ dtd. _____ (copy enclosed.)

We further confirm that the said Type Test have been carried out at _____ within five years prior to the date of opening of present tender.

SEAL AND SIGNATURE OF BIDDER

LIST OF SERVICES

SR. NO.	SERVICE NAME	ACTIVITY NUMBER	UOM	SAC CODE	REQ. QTY	VERSION	MATERIAL TYPE
1	Fixing of Single CTPT Unit	PM.HTLC11.2 39	EA	995461	30		null

Required Documents (To be uploaded online)				
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Sr. No.	NAME	SECTION	ITEM	DESCRIPTION
1	Price bid	Price Section	Fixing of Single CTPT Unit	Price Bid
2	Tech Documents	Technical Section	Fixing of Single CTPT Unit	Technical Documents
3	commercial Documents	Commercial Section		Comm Documents