

Maharashtra State Electricity Distribution Co. Ltd.

Tender Details		14-03-2022 06:45:46
Tender Code	MMD/T-HTM2-03/0322	
Tender Type	Procurement Tender	
Type Of Bid	Two Bid	
Description	Procurement of Automatic CT PT Test Set Up (MMD/T-HTM2-03/0322)	
Estimated Cost (In Lakhs)	588	
Basis of prices	Firm Price Basis	
Tender Validity	120	
Delivery Requirement (In Months)	6	
Tender on rate contract basis	NO	
Tender Fee (In INR)	10000	
GST In INR (@18% on Tender Fee: SAC No.	1800	
Total Tender Fee Amount including GST in INR.	11800	
Contact	NARENDRA DEVENDRA NARAYANE , 8879328083 , cemmcsedcl@gmail.com	
Pre-Qualifying Req	As per Tender Document	
Budget Type	NA	
Scheme Code	null	
Scheme Name		
Department	Material Management Cell	
Office Type	HO	
Location Type	Corporate Office	
Designation	Executive Engineer(Distribution)	
Pre-Bid Meeting Address	<p>THE CHIEF ENGINEER Maharashtra State Electricity Distribution Co. Ltd. Material Management Department, Plot No. G-9, "Prakashgad" First floor, Prof. A.K. Marg, Bandra (E), Mumbai – 400 051. E-mail- cemmcsedcl@mahadiscom.in cemmcsedcl@gmail.com</p>	
Bid Opening Address	<p>THE CHIEF ENGINEER Maharashtra State Electricity Distribution Co. Ltd. Material Management Department, Plot No. G-9, "Prakashgad" First floor, Prof. A.K. Marg, Bandra (E), Mumbai – 400 051. E-mail- cemmcsedcl@mahadiscom.in cemmcsedcl@gmail.com</p>	
Version No	1	
Call for Deviation	YES	

Is Annexure C1 Applicable	YES
Is Manufacturer Applicable	YES
Is Trader Applicable	YES
Minimum % of Offered Quantity	20
Is Power Supplier Applicable	NO
Tender Sale Start Date	14-03-2022 19:00
Tender Sale End Date	05-04-2022 12:00
Bid Start Date	14-03-2022 19:10
Bid End Date	05-04-2022 15:00
Pre-Bid Meeting Date	23-03-2022 17:00
Techno-Commercial Bid opening on	05-04-2022 15:30
Price Bid opening on	Will be declared later
Annexure C1 Opening Date	Will be declared later
Winner Selection Date	Will be declared later



MATERIAL MANAGEMENT DEPARTMENT
 MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.
 Tender No. MMD/T-HTM2-03/0322,
 Date: 14.03.2022

BID NOTICE

The Chief Engineer, Material Management Department (MMD), on behalf of Maharashtra State Electricity Distribution Company Limited (the Purchaser), hereby invites sealed bids from eligible bidders for procurement of Automatic CT PT Test set up . Entire bidding document is available online on <https://etender.mahadiscom.in/eatApp/> as per date indicated below. Any changes in the Bid Schedule, corrigendum etc. shall also be notified via MSEDCL's website. Prospective bidders are therefore requested to regularly check the website for any updates.

Tender No. MMD/T-HTM2-03/0322

Estimated Tender Cost: 5.88 Crores (With GST).

Tender Fee: Rs. 10,000.00 + 18 % GST

The bidder should submit non-refundable Bid Fee of Rs. 10,000.00 + 18 % GST paid through online payment only, prior to the dead line for submission of bids as per the procedure led by the MSEDCL.

Earnest Money Deposit: The bid must be accompanied with EMD @ 0.50 % (Half Percent) value of the offered quantity of the tender in the form of BG as per the Annexure-M enclosed with tender documents having validity of 120 days from opening of tender. Interest shall not be allowed on EMD.

The scanned copy of the online payment receipt / Demand Drafts / BG should be uploaded (in e-tendering) and the Demand Drafts should be submitted to this office on or before submission date and time.

Calendar of Events Event	Date and Time
Begin Sale of Bid Document	14.03.2022
Date and time of submission of Bids	05 .04.2022 at 15:00 hrs
Date and time of Bid Opening	05 .04.2022 at 15:30 hrs
Date and time of Pre bid meeting	23.03.2022 at 17:00 hrs

THE CHIEF ENGINEER
Maharashtra State Electricity Distribution Co. Ltd.
Material Management Department,
Plot No. G-9, "Prakashgad" First floor, Prof. A.K. Marg,
Bandra (E), Mumbai – 400 051.
E-mail- cemmcmsedcl@mahadiscom.in
cemmcmsedcl@gmail.com

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

TENDER FOR

Automatic CT PT Test Set Up with Digital Control Panel

Tender No: MMD/T-HTM2-03/0322



**OFFICE OF THE CHIEF ENGINEER,
Maharashtra State Electricity Distribution Co. Ltd.
Material Management Department,
Plot No. G-9, "Prakashgad" First floor, Prof. A.K. Marg,
Bandra (E), Mumbai - 400 051.
E-mail- cemmcmedcl@mahadiscom.in
cemmcmedcl@gmail.com**

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SECTION- I

INVITATION TO TENDER AND INSTRUCTION TO BIDDERS

TENDER FORM (NOT TRANSFERABLE)

(TO BE SUBMITTED ONLINE DULY FILLED IN AND DIGITALLY SIGNED)

To be submitted online not later than the date mentioned in the tender details. For participating in tender opening, the bidder can login at the specified time and date of opening of the tender, if he desires so.

The bidder is requested to quote his lowest rates F.O.R. destination for the supply of materials. The material is required at various places in the State of Maharashtra. The tender documents duly filled-in and digitally signed, are to be submitted online before due time & date of the submission of tender in prescribed form.

The modifications made to the terms & conditions shall applicable to this tender only.

FOR CHIEF ENGINEER (M.M.DEPARTMENT)

INSTRUCTIONS TO THE BIDDERS

I 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 Automatic CT PT Test Set Up as specified in Annexure-D / Technical Specifications, at various destination sites / stores Centers of the Purchaser in Maharashtra. The quantity for procurement is as below.

Sr. No.	Item Description	Qty. in Nos.
1	Automatic CT PT Test Set Up with Digital Control Panel. (Item Code:77901422549)	06

The Actual Quantity of the testing equipment that will be procured may vary depending upon the site requirement. The Quantity mentioned as above against various capacities can undergo change. However, the Minimum Assured Quantity for procurement shall be 50 % of the total tendered quantity as mentioned above.

The list of various destination sites / stores Centers of the Purchaser is enclosed as Annexure K.

II Qualifying Requirements:

1. The bidder shall be an original manufacturer / sole authorized dealer / accredited representative of manufacturer of the tendered item. In case of dealers / authorized representative, an authorization letter for quoting in this tender with mentioned tender no. shall be obtained from original manufacturer & shall be submitted along with this bid.
2. In case the bidder is not an original manufacturer, the operating experience of the bidder shall be more than 5 years for supplying and providing after sales support of similar or better equipment to NABL Accredited Laboratories / Current Voltage Transformer Manufacturing Companies/Govt. Depts. /Power Utilities in India or Aboard.
3. The bidder should submit minimum 5 Job Completion Certificates for Transformer manufacturer or Utility Projects.
4. The manufacturer must have experience of minimum five years in Micro Controller Based automation in the field of Transformer Testing & Integration for supply of similar or better equipment to National / International Accredited Laboratories/Govt. Depts. /Transformer Manufacturers or Power Utilities. The manufacturer shall enclose necessary purchase order copies along with their bid to prove the same.
5. The bidder shall submit satisfactorily performance report copies of supplying automatic CT/PT Test set up testing and report generating software from recognized NABL Accredited Laboratories/Govt.Depts./Transformer manufacturers that the same has given trouble free service. Bid submitted without the performance letters shall be treated non responsive.
6. The Bidder shall have successfully executed as a prime contractor at least three (3) contracts involving supply, installation, testing and commissioning of fully automatic CT/PT test set up, within the last five (5) years as of the last date of bid submission.
7. Average Annual Turnover – The minimum Average annual turnover of last three financial years of the bidder shall be 30 % of the offered value. The bidder has to submit the annual turnover certificate of the company of last three financial years.

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8. **Tests: Calibration Reports/Test Certificate:** The tenderer shall furnish detailed Calibration Certificate of all major required instruments and equipment for CT/PT testing as per IS 17025 with the offer from laboratories which are accredited by the National Accreditation Board for Testing and Calibration Laboratories (NABL) of Government of India and other countries to prove that the instruments offered meet the requirements of this specification. The calibration certificates should have been carried out within one year prior to the date of opening of the tender. The offer without calibration certificates of all major required instruments shall not be considered for further evaluation. The calibration test certificates in manufacturers own laboratory and certified by testing institute other than NABL Accreditation shall not be acceptable. Other stipulations in respect of Tests shall be as per Cl. No.6 of Technical specifications.
 9. The bidder or their principals / manufacturer shall have the necessary minimum testing facilities for carrying out various acceptance and routine tests. A list of machinery / equipment and testing facility available at their Works shall also be furnished along with the offer.
 10. The bidder should have a **valid ISO 9001 & ISO 14001** certification.
 11. The bidder shall declare that the bidder or their principals have not ever been black listed / defaulter by any utility / ESCOMs /Distribution Company / Laboratories / Any department of State Government or Central Government on record of poor performance such as not properly completing the contract, inordinate delays in supply completion, not supplying the items as per commitment of contract etc.
 12. Bidder or their principals shall have fully equipped technical support office / laboratory for facilities of testing, calibration, adjustment, diagnosis and repair of equipment in India itself. Bidder or their principals shall have technical support staff posted in India for technical support after sale.
 13. The Bidder or their principals shall have their own service centers and trained engineers dedicated for trouble shooting and technical support permanently posted in India. The bidder shall enclose necessary proof that the firm / the manufacturer / the principal the bidder is participating for, has necessary facility to adjust and calibrate the offered measuring units within the country. The list of Plant and Machinery, tools and tackles to carry out services shall be submitted along with the offer.
 14. The offers of Indian subsidiary company, whose parent company is located abroad fulfilling the qualifying requirements as above, shall be considered provided the Indian participant subsidiary company fulfills the minimum experience of five years of supply or manufacturing of similar or better equipment to National / International accredited laboratories or power utilities. However, the conditions of turnover and supply of minimum quantity of similar or better equipment to National / International accredited laboratories or power utilities as brought out elsewhere in tender documents can be fulfilled by the parent company located abroad on behalf of their Indian subsidiary company. The parent company shall furnish undertaking for accepting responsibility for supplying quality equipment as per MSEDCL'S specifications and execution of the contract on behalf of its India based subsidiary unit who has participated in the tender in Annexure U-I.
 15. Following Documents should be submitted by the bidder along with the bid.
 - i. BIS License and BEE certification as per clause no XIV. – Not applicable.
 - ii. The quantity offered for the supply of CT PT Test Set Up in the prescribed format as per schedule 'C'.

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- iii. Documentary evidence showing annual turnover of last 3 years i.e. 2018-19, 2019-20 and 2020-21 or 2017-18, 2018-19 and 2019-20, certified by Chartered Accountant for preceding three financial years.
 - iv. Copies of orders executed by the bidder, and the Certificate from the purchaser with regards to successful execution of the order for preceding three financial years.
 - v. List of orders in hand.
 - vi. Documentary evidence (for e.g. SSI/NSIC Certificate) for manufacturing capacity to cover the quantity offered by the bidder and considering orders in hand.
 - vii. List of in house manufacturing and testing facilities as well as quality control set up.
 - viii. Certificate from Chartered Accountant for not having controlling stake in more than one entity as per clause no VII.
 - ix. Type test certificates/Calibration Certificate from NABL accredited lab such as CPRI/ERDA valid for a period of five years.

III PRICES:

- (i) Prices are acceptable only on F.O.R. destination basis inclusive of Goods and Service Tax (GST for brevity) i.e. Integrated GST (IGST) for outside State / Central GST+ State GST (CGST+SGST) for within State, 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 IGST/(CGST+SGST) etc. and to the unit as specified in Annexure 'B', shall be rejected even though the bidder's offer may be lowest. The bidder shall quote Ex-Works Price and element of freight and insurance along with applicable rate of IGST/(CGST+SGST). 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 IGST/(CGST+SGST), risk in transit and freight will be programmatically calculated. While raising the invoices, however, IGST/(CGST+SGST) should be shown separately in the invoice raised.
- (ii) For each of the items quoted, bidder shall specify offered quantity. However, the offered quantity shall not be less than 20 % of the advertised quantity (Advertised quantity means the quantity required as indicated in Annexure 'B' / Price Bid) so as to deliver the said quantity within the delivery requirement of the Purchaser as indicated in the tender documents.

IV TAXES:

- (i) The Purchaser shall be registered under Goods and Service Tax Act and should comply with all the statutory compliance requirements of GST Law diligently.
- (ii) It is imperative for the bidder to indicate the amount of IGST/(CGST+SGST) included in their price while giving the break-up of F.O.R. destination price in Annexure 'B', failing which, the offer will be treated as ambiguous and will be rejected as per the provisions of clause X of tender form.
- (iii) After awarding the contract, the supplier shall not charge any additional amount towards GST; during the currency of contract except statutory variation by Central / State Government in normal (full) rate of integrated GST. In case the GST is decreased than the rate indicated in the price bid, the benefits of the reduction in the GST shall be passed on to the purchaser. The increase in the GST rate due to increase in turnover during the contractual delivery period shall not be charged to the purchaser.
- (iv) Necessary documentary evidence for the GST claimed shall be submitted along with the bills.

V BASIS OF PRICES:

The bidder shall quote the prices on **firm price basis** as has been specifically brought out in the Tender Details. For any deviation in this regard, the offer shall be summarily rejected.

VI PRICE VARIATION (Not applicable):

The price variation shall be admissible as per the price variation formula specified in Annexure - 'G' of this tender. No deviation shall be acceptable in the price variation formula. For any deviation, the offer shall be summarily rejected.

In case supplies are effected within the delivery period of lot, the "date of delivery" for PV purpose is the date on which the material is notified as being ready for inspection or actual date of receipt of material at stores whichever is less.

In case, supplies are effected after delivery period of lot, but within contractual period, the date of delivery for PV purpose would be the date on which the material is ready for inspection or delivery date of lot or actual date of supply on which the PV is less.

For quantity supplied beyond contractual delivery period, negative price variation and statutory variations shall be applicable. However, the positive price variation and statutory variations for quantity supplied beyond contractual delivery period shall not be allowed except where such delay in delivery is attributed to MSEDCL.

VII DELIVERY:

- (i) Bidder is requested to quote delivery F.O.R. DESTINATION only & only in the unit of the item specified in Annexure 'B' i.e. if the quantity is in sets or in tones or in numbers or in kilometers or in coils, the rate of delivery shall only be in the same unit.
- (ii) It is mandatory on the part of the tenderer to quote the delivery on monthly basis. If the offered delivery is indicated on quarterly basis, then the delivery would be counted proportionately in three equal installments per month for liabilities of the contract including payment of price variation and levy of liquidated damages.
- (iii) Size mix for the purpose of delivery, when delivery is quoted in assorted items, shall be determined by the Purchaser while issuing the A/T or dispatch instructions and will be binding on the bidder. The Purchaser will also have the liberty of modifying the size mix for the purpose of delivery, even after the A/T is issued.
- (iv) Offer shall be rejected if the equated monthly delivery schedule and rate of delivery per month is not indicated.
- (v) The delivery period to be submitted by the bidder for the offered quantity shall be as under :

A bidder has to commence minimum 50 % of offered quantity within 3 months from the date of LOA. After this period, balance quantity to be supplied in the equated monthly lot.

- (vi) Bidder to submit the equated monthly lot schedule in following format.

Material description	Offered qty.	1 st month qty.	n th month qty.

- (vii) The scheduled delivery period is 6 months from the letter of award.
- (viii) MSEDCL may issue dispatch instructions as per requirement. The quantity demanded per consignee could be less than or equal to monthly lot specified

in contract. Wherever as per demands, the quantity to be supplied to a consignee in a particular month is less than monthly lot quantity; the said quantity will be treated as lot quantity for the purpose of delivery and payment.

- (ix) MSEDCL may instruct the supplier to withhold entire or part of monthly supply of material for a specified period by giving two months advance instruction.
- (x) Time being the essence of contract, the supplier shall strictly maintain monthly delivery schedule. The bidder is advised to get their type tests & drawing approval immediately after placement of LoA/AT so that the material is received by the purchaser well within the committed delivery period. If there is any delay in delivery of material as per schedule, the undelivered quantity as per schedule can be diverted to other good performing bidder.
- (xi) If the supplier quotes for different quantity than MSEDCL requirement (minimum 20 % of total requirement) & offers different delivery schedule, then the delivery quoted by bidder will be proportionately changed by MSEDCL if the LoA awarded by MSEDCL is for lesser quantity than the quoted quantity & the supplier shall deliver the material accordingly.
- (xii) Commencement of the delivery period of first lot from the date of LoA is within 2 months. The deliveries of subsequent lots shall be effected as per the above schedule.
- (xiii) The commencement of the delivery period (CM) shall include the period for submission of drawings / type test reports and approval of the same and the time required for routine inspection & approval of test certificates.

VIII OFFERING THE MATERIAL:

- (A) The bidder may offer the material as per MSEDCL standard technical specifications as per Annexure-D. In case the material is being offered as per MSEDCL Standard Technical Specifications, the bidder does not have to fill the entire guaranteed technical particular (GTP). The bidder shall only submit the consent in this regard as given in Annexure-E and submit the type test reports & drawings for approval of MSEDCL. However; the bidders, who do not want to offer the material as per MSEDCL Standard Technical Specifications and have deviations in lieu of Indian Standards, will have to fill the entire GTP.
- (B) The person / entity should not have controlling stake in more than one entity applied for the tender / bid. **Necessary certificate duly certified by Chartered Accountant to this effect shall be submitted along with the tender documents.**
- (C) Factory address, from which the bidder intends to supply the material against the tender, shall be as indicated in the latest approved on line vendor registration form on e-tendering through which the vendor is submitting the offer.
- (D) The bidder shall offer the rates, taxes as applicable for the factory location indicated in his latest approved on line vendor registration form on e-tendering through which he is submitting his offer.
- (E) If the bidder intends to supply the materials from approved multiple factory locations in addition to the factory from which the bidder has submitted the offer; the bidder has to indicate the location and quantity offered from each location in the format "A"
The F.O.R.D. rate shall remain same for all the multiple locations. The bidder shall indemnify MSEDCL for any consequences arising due to supply from approved multiple locations.

Sr. No.	Name of approved factory location	Address of factory location	Quantity offered
(1)			
(2)			
Further, I/we hereby indemnify MSEDCL for any consequences arising due to supply of offered material from approved multiple locations. Seal & signature of bidder			

IX CONFLICT OF INTEREST

A bidder may be considered to have a conflict of interest with one or more parties in a bidding process if they:

- (a) Have controlling shareholders in common; or
- (b) Receive or have received any direct or indirect subsidy from any of them; or
- (c) Have the same legal representative for purposes of a bid; or
- (d) Have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on a bid of another bidder, or influence the decisions of the purchaser regarding the bidding process.

Bidders found to be in conflict of interest, shall be disqualified.

X QUOTATION:

- (i) Bidder shall quote his rate per unit specified in Annexure 'B' / Price Bid in figures.
- (ii) Bidder's printed terms and conditions will not be considered as forming part of the tender.
- (iii) For each of the items quoted, bidder shall specify offered quantity. However, the offered quantity shall not be less than 20 % of the advertised quantity (Advertised quantity means the quantity required as indicated in Annexure 'B' / Price Bid) so as to deliver the said quantity within the delivery requirement of the Purchaser as indicated in the tender documents failing which the offer shall not be acceptable.

XI AMBIGUITY IN QUOTATION:

The bidder is requested to please make a note that in case of ambiguous terms in respect of offered quantity in Annexure- B and schedule 'C', F.O.R. condition, GST, basis of price (i.e. firm / variable) or if the blanks are left out in the offer, the item / tender shall be rejected.

XII FILLING IN OF ANNEXURE:

The bidder is requested to ensure that the comments against each and every item / clause of Annexure 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 "Not Applicable (N.A.)" checkbox shall be selected.

XIII ADDITIONS/ALTERATIONS PROHIBITED:

The bidder shall not make any additions, alterations or changes in the Tender Form and the Conditions of Tender & Supply (Annexure 'A') including the description of material mentioned in Annexure 'B'. They should quote rate for the material described or click the checkbox 'Not quoted' against each of the item in Annexure 'B' / Price Bid.

XIV B.I.S. LICENCE AND BEE CERTIFICATE : (IF APPLICABLE)

A scanned copy of valid BIS License (full Copy) & BEE certifications for offered items ratings duly sealed & signed must be uploaded and submitted along with offer, failing which, the offer shall be rejected.

In case the validity of the BIS license is expiring before date of submission of tender, necessary documentary proof of having applied for renewal of validity of the BIS license must be uploaded while submitting the bid. The renewed copy of the BIS License shall be submitted before commencement of supply.

However, valid BIS license scan copy of offered material must be submitted by the qualifying bidders before commencement of supply, failing which their order will be cancelled with financial liability on supplier.

XV MANDATORY REQUIREMENT OF SUBMISSION OF OFFER:

The offer shall be submitted online duly filled in; attaching all the required documents, completed in all respects and should be digitally signed.

XVI SUBMISSION OF DRAWING & BILL OF MATERIAL:

The bidder shall submit the drawings and bill of material conforming to the tender specification wherever applicable. In such cases, the offer without the drawings and bill of material shall not be evaluated and considered. The drawings and bill of material submitted along with the bid shall not be considered for evaluation of the offer but the drawings and bill of material of the successful bidder shall be scrutinized when the Purchaser decides to accept such bid. It may, however, be noted that Purchaser's action of evaluation of the tendered bid would not mean approval of the drawings and bill of material submitted along with the tender bid.

The bidder shall depute his authorized representative for discussion on the drawings, either immediately on hearing from the Purchaser or after receipt of Letter of Award. The formalities like submission of drawings, bill of material etc. and getting the same approved by the Purchaser shall be completed by the successful bidder within TEN DAYS from the date of Letter of Award of the contract. The approval to drawings complete in all respects mentioned in technical specifications (Annexure-D) will be accorded within SEVEN working days thereafter. Any delay in this regard shall lead to cancellation of the Letter of Award at the risk and cost of the bidder. The supplies against the contract shall conform to the approved detailed drawings / bill of material and the detailed technical specifications.

XVII NAME OF AUTHORIZED REPRESENTATIVE:

The digital certificate shall be in the name of person authorized by the firm. In case, the digital certificate is compromised or the person holding the digital certificate is no longer authorized to digitally sign the tender, it is the responsibility of the bidder to revoke this certificate and obtain the fresh certificate. While submitting the bids online only valid digital certificate shall be used. The vendors are requested to check the validity of digital signature and prior to the expiry date & they are requested to get their Digital signature key validated before expiry of the same. MSEDCL shall not be responsible for Non-submission of any of the Bids (Techno Commercial Bid, Deviation Bid, Price Bid, Annexure - C-1) by vendors due to expired/Invalid Digital signature.

The bidder is responsible for all the contractual liabilities and responsibilities thereof.

In case the bidder authorizes the representative to deal on behalf of the bidder, the name and address of such person should be informed to the purchaser. The bidder shall submit the power of Attorney in favour of representative duly executed before the Notary. In the absence of the Power of Attorney, the purchaser shall not deal with the representative.

XVIII -(A) OFFER OF MICRO & SMALL ENTERPRISES AND OTHER UNITS:

The bidder registered with Directorate of Industries of Government of Maharashtra for manufacturing the items tendered / offered and those who have attached valid certificate at the time of vendor registration shall be considered for concessions applicable and procurement of reserved items as per GoM G.R. dtd. 30-10-2015 amended up to date. These benefits shall be available only to those items approved during the registration process and subsequent updates in registration up to the submission of this tender.

Based on concession of Central Government's Micro & Small Enterprises office order dtd. 23-03-2012, 241 items are being kept reserved. As per above reservation of items 100 % reserved items to be purchased from Micro & Small Enterprises out of which 20 % reserved items to be purchased from S.C./S.T. enterprises. Reservation is applicable for a limited period unless & until re- examined. If Micro & Small Enterprises participated in the tender and the tendered item is not reserved, then 20 % order with L-1 rate to be given to Micro & Small Enterprises and out of this 20 %, 4 % to be given to S.C./S.T. enterprises.

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.

(B) PREFERENCE TO INDUSTRIAL UNITS LOCATED IN MAHARASHTRA AND OFFERS BY MATCHING RATES WITH LOWEST ACCEPTABLE BIDDER

The lowest acceptable rate will be the unit rate worked out without considering IGST/(CGST+SGST) as applicable and the same rate will be considered as applicable to the respective bidder who has agreed to accept order at lowest acceptable rate.

- 1) If the lowest acceptable rate received against the tender is from a bidder outside Maharashtra, then they shall be considered for order up to 50 % of Purchaser's requirement and if industrial units located in Maharashtra are agreeable to accept order at such lowest acceptable rate, such industrial unit in Maharashtra shall be considered for order up to 50 % of Purchaser's requirement by matching their rates with lowest acceptable unit rates exclusive of IGST/(CGST+SGST).

However, if industrial units located in Maharashtra are not agree to accept order at such lowest acceptable rate, then full supply order shall be placed on bidders outside Maharashtra. The Purchaser reserves the right to distribute the quantity among Bidders after matching their rates with the rate of lowest acceptable bidder.

- 2) The bidders who are not eligible under the above clauses can also give their confirmation to accept order at the lowest acceptable rate received against the tender. They could be considered for this entitlement only after allocating quantities of Maharashtra State Industrial units as per the provisions stated at (1) above, in the order of merit as per price ranking for the balance quantity remained to be procured. The Maharashtra State Industrial units who are not eligible for the purchase preference as above could also be considered for this preference under this clause in the order of merit of their prices. Other bidders shall be considered for the order by matching their rates with the rate of lowest acceptable bidder after allocating reasonable quantities first to the industrial units of Maharashtra eligible under Clause 5(a) and 5(b) of Annexure 'C-1'.

The lowest acceptable rate is known only on the date of decision by the Competent Authority, hence the lowest acceptable rates of the tender cannot be declared in advance, however lowest acceptable rate of the tender would be equal to or more than the lowest rate received in the tender.

The confirmation for acceptance of the order at the lowest acceptable rate indicated as above shall be given in the format as per Annexure 'C-1' of the tender documents. The same should be submitted online on or before the due time and date of submission of Annexure 'C-1'. The confirmation shall be opened online on due time and date of opening of Annexure 'C-1'. Schedule for submission and opening of Annexure 'C-1' shall be communicated separately by e-mail and on the website. Though confirmation in Annexure 'C-1' as above is called from all the qualified bidders, the bidders, who quoted rates within the range of 5 % in comparison with the lowest acceptable rates, shall only be considered and their Annexure 'C-1' will be opened on the date and time intimated subsequently in the presence of bidders who chose to be present. Provided, however, that the Annexure 'C-1' of the bidders, who have quoted above the range of 5 % in comparison with the lowest acceptable rates, shall also be considered in case the aforesaid bidders within the range of 5 % are unable to fulfill the quantity requirement. In that case also, the date of opening of Annexure 'C-1' will be intimated to the bidders

In the above confirmation, if the bidder indicates any rate, then the confirmation given by the bidder will not be considered as valid.

Above confirmation for the quantity less than as indicated in Clause X (iii) of Instructions to the bidder shall not be acceptable.

The prices indicated in the original offer shall not be considered as valid once offer for acceptance of order by matching rates is given. In the event of withdrawal of offer by matching rates within the validity period, the entire offer against the tender shall become invalid and shall be summarily rejected and the earnest money paid by the bidder shall be forfeited.

- 3) The lowest acceptable tenderer would be considered for awarding order for quantity subject to his capacity and capability as under.

Trial Order: Minimum 10 % but limited up to 20 % of tendered quantity.

Regular Order: Minimum 40 % of tendered quantity.

Any balance quantity remained after allocation as mentioned above, will be allocated amongst the one or more bidders who have matched with Lowest Acceptable Tenderer, subject to their capacities and restricted to maximum 3 bidders over L-1.

Wherein

Trial order means the firm who have not supplied tender item to any Government / Semi-Government Electricity Dist. Utility / SEB or MSEDCL during preceding five years. &

Regular order: The firm who have supplied minimum two orders of tender items to any Government / Semi-Government electricity Dist. Utility / SEBs or MSEDCL during preceding five years during preceding five years.

- 4) If matching rate offer is not available, 100 % quantity will be allotted to L-1 bidder subject to capacity & capability to supply total quantity.

However, if the above conditions are not getting fulfilled in tender, then quantity allocation will be at the sole discretion of MSEDCL.

XIX EARNEST MONEY DEPOSIT (EMD):

The bidder should pay the Earnest Money @ 0.50 % (Half Percent) value of the offered quantity of Tender in the form of BG as per the Annexure-M enclosed with tender documents having validity of 120 days from opening of tender. Interest shall not be allowed on EMD. EMD shall be forfeited (i) in case the bidder withdraws the tender / offer during the validity period (ii) in case the bidder fails to pay the performance deposit if the contract is awarded.

However, bidders from the following categories are exempted from payment of earnest money deposit.

- 1) All Government and semi Government institutions under Govt. of Maharashtra and Zilla Parishad in Maharashtra and fully owned undertaking of any State Govt. and Govt. of India only for the items manufactured by such institutions.
- 2) Micro and Small Enterprises registered under Micro, Small and Medium Enterprises Development Act-2006 only for the items mentioned in their permanent registration certificate at the time of vendor registration.
- 3) The bidder registered with N.S.I.C. and those who have attached valid N.S.I.C. Registration Certificate for the items mentioned in their permanent registration certificate at the time of vendor registration.

The benefits mentioned in (1) to (3) above shall be available only to those items approved during the registration process and subsequent updates in registration up to the date of submission of this tender.

Exempted bidders should upload a latest valid certificate issued by any approved body of 'Ministry of Small & Medium Enterprises' (MSME) such as 'National Small Industries Corporation' (NSIC) or 'District Industries Centre' (DIC) for EMD exemption.

XX SIGNING OF THE TENDER DOCUMENTS:

Offer shall be submitted along with the tender documents and duly filled in with all Sections / Annexures / Appendixes / Schedules etc. The offer shall be signed with valid digital signature.

XXI SUBMISSION / SUPERSCRIBING OF THE TENDER DOCUMENTS:

The offer is to be submitted as follows.

(a) Online Submission:

- (i) Techno-Commercial Bid (Part-I): This part shall contain all technical and commercial aspects of the bid and documents supporting the same except the Price Bid.

The bidder is requested to please make a note that in case of the Price Bid (Part-II) is submitted instead of Techno-Commercial Bid in Part-I or submitted Price Bid (Part-II) along with Techno-Commercial Bid in Part-I, the offer shall be rejected.

- (ii) Price Bid (Part-II): This part shall contain only the Price Bid strictly in the prescribed format, i.e. Annexure 'B'.

(b) Offline Submission:

Physical submission of documents (Part-III)

Envelope for this part shall contain documents like Type Test Reports, Drawings, Bill of Material, Catalogues etc. wherever applicable as per technical specification and they shall be scanned and these scanned documents to be taken into PDF format on CD media (2 sets) and are to be submitted to EE (HTM-2) in the office of Chief Engineer, Material Management Dept. in sealed envelope on or before due date & time of submission.

METHOD OF SUBMISSION OF PART-III AND THEIR OPENING:

This envelope shall be individually sealed and shall be super scribed with the name and address of bidders and the following information before posting or delivering the same:

- i. Tender No.
- ii. Due date and time of submission.
- iii. Due date and time of opening.

Envelope as above shall be submitted on or before the prescribed due date and time of submission and shall be opened on due date and time of opening as prescribed.

In case of bidders whose techno-commercial bid is acceptable, their Price Bids will be opened at a later date. This date shall be intimated to such bidders separately.

XXII TIMELY SUBMISSION OF OFFER:

- (a) The bid is to be submitted online on or before due date and time of submission to the Purchaser at website.
- (b) It is advisable to submit the digitally signed offer sufficiently in advance of due date and time so as to avoid last minute congestion of network / server.
- (c) Offer received after the due date and time of submission shall not be accepted.
- (d) In case, the due date of opening of tender happens to be holiday, the offer shall be opened on the next working day at the same time.

XXIII PURCHASERS RIGHT:

The Purchaser reserves the right to reject any offer without assigning any reason whatsoever.

XXIV DISREGARD OF TENDER CONDITIONS:

Tender containing any deviations / additions / alterations / changes in the conditions of the tender and supply as stated in Annexure 'A', 'B', 'C-I', 'D', 'E', 'G' and schedule 'C' shall not be acceptable.

The bidder having digitally signed all the tender documents indicates any deviations / additions / alterations / changes in the covering letter, unrelated annexures and schedules of the offer or elsewhere, the same shall be ignored and the offer shall be treated as meeting with all specified tender conditions.

XXV PROHIBITION FOR POST TENDER CORRESPONDENCE:

The Bidder should note that no correspondence shall be entertained or considered after the due date and time of submission of tender unless otherwise sought by the Purchaser.

XXVI RIGHT TO ORDER OUT QUANTITY IN VARIANCE TO OFFERED QUANTITY:

The Purchaser reserves the right to order out / procure any quantity in excess of the offered quantity with mutual consent. The quantity specified may be for dispatch to one destination or several places.

XXVII 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 bidder on his part binds himself to supply any item or items selected from his offer in part or whole at the option of the Purchaser.

XXVIII NOTIFICATION OF AWARD:

Notification of Award of contract will be made by a letter of Award, to be sent by registered post or given by hand, to the successful bidder by the Purchaser. It could also be made by e-mail or by Fax to be confirmed in writing by registered post to the successful bidder by the Purchaser.

Acceptance of the same to be conveyed within 3 working days by the supplier.

XXIX EARNEST MONEY OF UNSUCCESSFUL BIDDER:

Earnest money deposit shall be returned to the unsuccessful bidder by RTGS within 7 (seven) working days after the tender has been decided and on submission of receipt of E.M.D. payment to the G.M. (F&A-SB), MSEDCL, Prakashgad, Prof. A.K. Marg, Bandra (East), Mumbai- 400051. Earnest money deposit in the form of BG will be returned to the unsuccessful bidder within 7 (seven) working days by Chief Engineer, Material management Dept. after the tender has been decided.

XXX VALIDITY OF OFFERS:

The bidder 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 and 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 bidder shall not be allowed to modify or change the conditions of the tender while extending the period of validity.

XXXI DECLARATION FROM BIDDER:

In order to ensure participation of reliable and honest bidders / contractors / vendors, etc. the bidder shall submit the declaration along with the bid in Annexure-I

XXXII CORRUPT OR FRAUDULENT PRACTICES:

The Maharashtra State Electricity Distribution Company Ltd. and the State require that bidders / suppliers / contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, MSEDCL:

(a) defines for the purposes of this provision, the terms set forth below as follows:

- (i) "corrupt practice" means behavior on the part of officials in the public or private sectors by which they improperly and unlawfully enrich themselves and/or those close to them, or induce others to do so, by misusing the position in which they are placed, and it includes the offering, giving, receiving or soliciting of anything of value to influence the action of any such official in the procurement process or in contract execution; and
- (ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition.

(b) will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded an MSEDCL contract if at any time it determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, an MSEDCL contract.

XXXIII INFLUENCE:

Any efforts by the bidders to influence the owner during evaluation process before order placement will be rejected. Similarly deviation in the term of payments, penalty,

performance deposit, delivery period will be treated as non-responsive quotation / offer and will not be considered for evaluation /order placement.

Bidder shall submit the undertaking certifying that they have not approached any one for undue influence.

XXXIV TENDER FEES EXEMPTION:

Tender fee to be paid at the time of uploading / online submission of the tender. Bidders from the following categories are exempted from payment of Tender fees:

- 1) All Government and semi Government institutions under Govt. of Maharashtra and Zilla Parishad in Maharashtra and fully owned undertaking of any State Govt. and Govt. of India only for the items manufactured by such institutions.
- 2) Micro and Small Enterprises registered under Micro, Small and Medium Enterprises Development Act-2006 only for the items mentioned in their permanent registration certificate at the time of vendor registration.
- 3) The bidder registered with N.S.I.C. and those who have attached valid N.S.I.C. Registration Certificate at the time of vendor registration.

The benefits mentioned in (1) to (3) above shall be available only to those items approved during the registration process and subsequent updates in registration up to the date of submission of this tender.

The tender fee paid against the particular tender shall not be refunded / transferred /adjusted at all.

XXXV PRE-BID MEETING:

- 1) The bidder or its official representative is invited to attend pre-bid meeting(s) which will take place at the place, date and time designated in the Bidding Data.
- 2) The purpose of the pre-bid meeting(s) will be to present the salient features of the bidding documents to the bidders, including the bid submittal requirements, the Conditions of Contract (including payment terms and conditions), the technical features of the project, and to clarify issues and to answer questions on any matter that may be raised by the bidders.
- 3) The bidder is advised to visit the Site and study the bid document thoroughly, and is requested to submit any questions in writing or by fax, to reach the Employer not later than one week before the pre-bid meeting.

Minutes of the meetings, including the text of the questions raised and the responses given will be transmitted without delay to all the prospective bidders through the website <https://etender.mahadiscom.in/eatApp/>. Any modification of the bidding documents listed which may become necessary as a result of the pre-bid meetings shall be made by the Purchaser exclusively through the issue of an Addendum pursuant to Clause and not through the minutes of the pre-bid meetings.

- 4) Non attendance at the pre-bid meeting will not be a cause for disqualification of a bidder. Nevertheless, senior representatives of the bidders are strongly encouraged to participate in the pre-bid meeting to help ensure that they fully understand the key concerns of the Employer and the Employer's requirements.

XXXVI CLARIFICATION ON DEVIATIONS:

The purchaser, if necessary, shall obtain clarifications on deviations within 2 working days by requesting for such information from any or all the bidders in writing, as may be necessary.

The same should be submitted online on or before the due time and date of submission of Deviation Bid. The clarification shall be opened online on due time and date of opening of Deviation Bid.

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The Schedule for submission and opening of Deviation Bid shall be communicated by auto generated e-mail of the e-tender website.

CERTIFICATE:

I/We agree to supply the materials at the rates herein tendered by me / us subject to the conditions of tender and supply in Annexure 'A' of this tender which I/We have carefully read and which I/we have thoroughly understood and to which I/we agree. I/we hereby agree to keep this offer open up to the date mentioned in tender details and shall be bound by communication of acceptance dispatched within the validity period.

Seal & Signature of bidder

(SECTION II)

ANNEXURE 'A'**CONDITIONS OF TENDER AND SUPPLY****1) EFFECT OF CONTRACT:**

The contract shall be considered as having come in to force and shall be in operation for a period of 6 months from the date of Notification of Award. The bidder whose offer is accepted is hereinafter called "the supplier".

2) QUALITY OF SUPPLIES:

All materials supplied shall be strictly as per specification laid down by MSEDCL and in accordance with the approved standard Guaranteed Technical Particulars (GTP), drawings and type test reports.

3) 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.

4) ACCEPTANCE OF SUPPLIES / INSPECTION:

- i) The supplier shall normally offer at a time, the entire quantity required to be delivered every month as per the delivery schedule indicated at Annexure 'B' of A/T for the purpose of inspection by the Purchaser.

Time being the essence of contract; the supplier shall strictly maintain the monthly delivery schedule.

- ii) Materials shall be inspected by the Purchaser's Executive Engineer / or the representative authorized by the Purchaser before dispatch. An intimation in the prescribed Proforma about the date on which materials shall be ready for inspection, indicating quantity, shall have to be given to the Executive Engineer / or the representative authorized by the Purchaser before dispatch so as to reach him 10 working days in advance, failing which, the supplier shall be responsible for delay in delivery on account of inspection.

The intimation in the prescribed Proforma (Inspection call) shall be forwarded on e-mail id cemmcmsedcl@mahadiscom.in & cemmcmsedcl@gmail.com. Inspection calls sent on any other e-mail id than specified above, shall not be entertained and the supplier shall be responsible for delay in delivery on account of inspection.

On receipt of such intimation, the materials shall be inspected within 10 working days. The materials shall be dispatched only after inspection and approval of same by the Inspector. The inspection approval letter shall be valid for a period of 30 days from the date of issue of letter to enable the supplier pack the material and arrange transportation thereof so that material should be reached at the respective consignee within scheduled delivery period.

After this period of 30 days, the validity of this inspection approval letter will lapse. If the material is not reached within scheduled delivery period to respective consignees, the approval of purchaser is to be sought by the supplier for revalidation of inspection approval letter at the sole discretion of MSEDCL.

For quantity supplied beyond contractual delivery period, negative price variation and statutory variations shall be applicable. However, the positive price variation and statutory variations for quantity supplied beyond contractual delivery period shall not be allowed unless the delayed delivery is attributed to MSEDCL.

- iii) The supplier shall notify the names of the consignees as per DI, to whom the inspected lot would be dispatched. The supplier shall get the copies of inspection approval letter

together with witness certificate duly signed by the concerned Inspecting Officer IN BLUE INK only and also mention reference or inspection approval letter on the challan / invoice, failing which any delay occurred in getting the S.R. Notes from the consignees would be solely to supplier's account. The inspection report shall be filled in online on the same day by the Inspector from the site on MSEDCL web portal after the inspection.

- iv) Factory address, from which the bidder has to supply the material, shall be as indicated in the latest approved on line vendor registration form on e-tendering through which the bidder has submitted the offer.
- v) The supplier shall offer inspection call intimation of readiness of material as per the monthly schedule only. In the event, during the inspection by the Purchaser's Inspecting Officer, if it is observed that the quantity actually offered for inspection is less than the quantity indicated for inspection in the inspection call, the Purchaser shall be entitled to recover from the supplier, the actual expenses incurred for arranging the inspection, and the supplier shall not dispute the amount to be recovered.
- vi) The supplier shall submit the test certificates / reports from any NABL approved laboratory or the laboratory of his own for the respective quantity of material, before dispatch. The material shall not be dispatched unless and until the test certificates are approved by the Purchaser.
- vii) All the necessary help shall be extended by the supplier to the authorized representative of the Purchaser to carry out testing of equipment / materials.
- viii) MSEDCL may issue the dispatch instructions (DI) to deliver the ordered quantity to the bidders in Maharashtra within same districts of factory location of the supplier. However, it will not be binding on the MSEDCL; supplier has to deliver the material in other districts as per MSEDCL requirement. Further outside Maharashtra bidders have to deliver the material as per MSEDCL requirement to the designated consignee.
- ix) MSEDCL on its sole discretion may get material inspected and tested by third party NABL lab.

5) Random Sample Testing Verification of material supplied to Stores after inspection: (Not applicable) :-

6) RIGHT TO CARRY OUT INSPECTION DURING MANUFACTURING:

The Purchaser at its option, will inspect the material ordered during its process of manufacturing including the inspection of raw materials and will request the supplier to carry out such tests as may be necessary to ensure proper quality of the material. The samples of components of the material shall be subject to quality check by the inspecting officer during manufacturing.

7) TOLERANCE IN QUANTITY TO BE SUPPLIED: (If applicable)

Variation in quantity to be supplied against confirmed order shall be permissible upto FIVE PERCENT ITEM PER CONSIGNEE limited up to order quantity.

8) RIGHT TO REVISE DESPATCH INSTRUCTIONS, DELIVERY SCHEDULE AND TO DEFER SUPPLIES:

- i) The Purchaser reserves its right to revise the dispatch instructions issued along with the order, at the time of giving final clearance for dispatch after inspection of the material. If such change in destination is not intimated at the time of inspection approval or waiver of inspection, The supplier shall dispatch the material as per the dispatch instruction in accordance with A/T. indicated by him in the inspection call letter.
- ii) The Purchaser reserves its right to change the delivery schedule of the contract either by reducing the monthly lot up to 60 % of the agreed lot or by increasing the same up to

120 % of the agreed lot with prior two months' notice and the Purchaser shall not be liable to pay any compensation/damages on account of such change in delivery schedule.

- iii) The Purchaser reserves its right to defer the balance supply to be received against the order by giving two months' notice for a maximum period of 6 months. In such an event, the delivery period for the deferred material shall be deemed to be extended proportionate to the period of deferment and the Purchaser shall not be liable to pay any compensation/ damages on account of such deferment of deliveries.

9) WAGON LOADS / TRUCK LOADS:

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

10) 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 in first half so as to arrange their unloading during office hours, failing which, the Purchaser shall not be liable for delay in unloading and for inconvenience caused to the transport contractor in the form of detention etc. Unloading at stores shall be arranged by the consignee.

11) DESPATCH INTIMATION:

The supplier shall inform by e-mail to the consignee details of dispatch along with e-way bill receipt in hard & soft format giving RR / LR No., Wagon / Truck No., Type of wagon, craneable consignment or otherwise, total value of consignment, etc. to facilitate the consignee to arrange for clearance of goods on cemmcmedcl@mahadiscom.in or cemmcmedcl@gmail.com.

12) BILL OF MATERIALS:

The supplier shall furnish bill of materials for each type of equipment / material offered which should be consistent with the drawing, 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 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.

13) 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, soft copy of the packing list should be sent to all the consignees and hard copy to G.M. (F&A-SB) should be enclosed with the bills along with other documents.

14) 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 or other place of final destination and for this purpose, 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.

15) 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 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 performance deposit placed by the supplier for the due fulfillment 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.

16) MATERIAL DESPATCHED AND PROGRAMME:

A statement as under indicating dispatches effected during every month shall be furnished to this office along with the programme of manufacturing / dispatches during the following two months. In the event of no dispatch, the statement shall contain nil information.

MONTHLY STATEMENT:

I. Name of Supplier:

II. Reporting Month:

Sr. No.	A/T No.	Material	Item No. as Per A/T	Consignee	RR/LR Delivery Challan No. With date	Date of Actual Receipt of Material	Qty. Dispatched Between 26 th of Preceding month and 25 th of the Reporting month	Programme of supply during the next 2 months
1	2	3	4	5	6	7	8	9

Consolidated details of the above information shall be furnished to office of the Chief Engineer (M.M.Dept.) after completing the supplies of a particular order. The copy of this consolidated information shall invariably be forwarded to the respective consignees, failing which; security deposit paid against the contract shall not be released.

17) MATERIAL RECEIPT & SUBMISSION OF BILLS AT CONSIGNEE:

On receipt of material at destination of consignee as per DI, Additional Executive Engineer (MM Dept.) of respective store should ensure the receipt of material in good & healthy condition.

While receiving the material, store in charge should ensure the receipt of material as per Dispatch Instructions issued by MM Dept. Further, the store in charge should ensure the receipt of original & scan copies of following documents:

- a) Tax invoice.
- b) Detailed packing list.
- c) Bill of Material.
- d) Delivery challan.
- e) E-way bill receipt.
- f) Dispatch document (RR/LR).

On confirmation & validity of above documents, store in charge will generate Provisional SR Note through ERP system immediately for receipt of material at stores thereof.

Where required by the Purchaser, the successful bidder 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.

After successful RST of supplied each lot, store in charge will generate final SR note through ERP system within 7 working days from receipt of material at stores.

18) PAYMENT OF BILLS:

(a) Terms of payment:

- a. The Bidder shall be paid 100 % payment within 60 days from the date of receipt of material in good condition, against Stores Receipt Notes (S.R. Notes) issued by the concerned consignee.
- b. However, in respect of only those entities which qualify for 45 days payment period under the Micro, Small and Medium Enterprises Development Act, 2006, 100% payment of the Contract price will be paid within 45 days from the date of receipt of material at Consignee Store in good condition, against Stores Receipt Notes (S.R. Notes) issued by the concerned consignee.
- c. In respect of Micro, Small and Medium Enterprises, best efforts will be made for payment within 45 days from date of submission of invoice along with requisite documents after the delivery of entire lot. However, no claim for interest will be entertained in case of delay in payment beyond 45 days. The Micro, Small and Medium Enterprises who are ready to accept this payment term may only quote. No dispute in this regard will be entertained. After completion of order, the claims of whatsoever nature lodged after 30 days from the last date of payment will not be entertained.
- d. The payment shall be effected by A/C payee cheques / RTGS. Following documents as required in terms of order, will have to be forwarded to the G.M. (F&A-SB), Maharashtra State Electricity Distribution Co. Ltd., Prakashgad, Station Road, Bandra (East), Mumbai - 400 051 along with bills in triplicate to facilitate payment with a copy to the Chief Engineer of respective Zone.
 - (i) Invoice (on the basis of rates accepted as per A/T) issued in accordance with the provisions of GST Invoice Rules.
 - (ii) Supplementary Invoice / Bill for price variation claim if applicable with the relevant documents in support of P.V. claim.
 - (iii) Inspection and Test Certificate approval.
 - (iv) E Way Bill
 - (v) Copy of Acceptance letter of Permanent Bank Guarantee / Security Deposit

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Certificate.

- (vi) Packing list.
- (vii) Approved Bill of Material.
- (viii) Certificate of having dispatched Operation & Maintenance Manual, copies of Test Certificates and approved drawings / Bill of Material to consignees wherever applicable.

The supplier shall forward the original R.R. / L.R. direct to the consignee along with relevant documents. The original bill shall be forwarded to The G.M. (F&A-SB), MSEDCL, Prakashgad, Bandra (E) and marked ORIGINAL. The bill should indicate the GST registration no. and date held by him under the GST Law. The Purchaser shall not be responsible for delay in payment of bills if the supplier fails to comply with any of the above requirements.

Supplier's copy of S.R. Note will be forwarded by the consignees through their respective Common Stores for supplier's record towards acknowledgement of receipt of material. Accounts copy of S.R. Note will be forwarded by the respective Common Stores to G.M. (F&A-SB) for payment.

Wherever the payment is to be effected against Material Receipt Intimation (MRI) and if the supplier fails to forward the documents such as inspection report, bill of materials, approved drawings, etc. wherever required along with the invoice to the respective consignees and no payment shall be made against the said MRI.

The whole of the first lot as well as monthly lot when delivered in installments, the date of delivery and due date of payment will be counted after the receipt of the entire lot.

Any amount more than Rs. One Lakh can be transferred to the bank Account of the supplier electronically. For this RTGS (Real Time Gross Settlement) provision, following information is to be furnished by the bidder in the required documents of the online offer.

1. Name of the Company
2. Name of the Bank & Branch with address where the amount is to be transferred.
3. Current Account Number (15 digits)
4. RTGS No. / (IFSC Code) (Indian Financial Security Code)
5. MICR Code of the Bank
6. Company's email ID
7. Contact Name & Telephone No.

19) TAXES:

(A) Notwithstanding the fact that contract price is inclusive of GST:

- (i) GST shall be paid at actual on the basis of due date of delivery or actual date of supply whichever is lower against documentary evidence.
- (ii) Variation in GST on bought out items shall not be entertained.

(B) Structural changes in and due to 'Input Tax Credit' Scheme: -

- (i) In the event of any structural change occurred in the Input Tax Credit Scheme after the date of submission of the tender till the currency of the contract, the benefit out of such change shall be passed on to the purchaser.
- (ii) In the event of 'Input Tax Credit' being extended by the GST Law which were otherwise ineligible for claiming Input tax credit thereof, the seller should advise the purchaser about the additional benefits accrued or any variation thereof, through a

letter containing such details and computation within such time as may be agreed between both the parties i.e. Supplier & MSEDCL.

20) 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.

21) GUARANTEE:

Material offered shall be guaranteed for a period of 66 months from the date of receipt at consignee's stores Centre or 60 months from the date of commissioning, whichever is earlier. In case of failure of material within the above guarantee period, tenderer shall make available other new conditioned / repaired material, free of cost at stores for replacement within 45 days from the date of intimation from stores and lift the failed CT PT Test Set Up for repair rejected material after replacement. For this purpose, bidder shall maintain spare stock in adequate quantity of ordered ratings of CT PT Test Set Up. If the defective material is not replaced / repaired within the specified period as above, the Maharashtra State Electricity Distribution Company Ltd. shall retain an equivalent end cost of material plus 15% supervision charges from any of the bills of the supplier or encashing available performance bank guarantee submitted against guarantee period or through any available sources, till the return of the equipment. No interest will be paid on the amount so retained / recovered. In case of material / item not returned duly repaired within 45 days, penalty shall be imposed @ 0.5% per week or part thereof maximum up to 10% of the cost of undelivered material / equipment beyond specified time limit. In case of material / item not returned duly repaired within 5 months, total cost of the material / item along with penalty will be adjusted / recovered from the pending bills of the supplier or encashing available performance bank guarantee submitted against guarantee period or through any available sources with MSEDCL.

The clause itself shall be the notice to the supplier about encashment of PBG to adhere to the timelines.

The outage period, i.e. the period from the date of failure till unit is repaired / replaced shall not be counted for arriving at the guarantee period.

Further, in case of repeated failures of equipment / material, the Purchaser reserves the right to debar / disqualify the supplier for future tenders / orders irrespective of grounds for debarring in MSEDCL debar policy.

22) LIFTING OF REJECTED/DAMAGED MATERIALS FROM STORES:

- (a) On failure to replace or repair the transit damaged or rejected material/rejected in RST 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 handling, demurrage / wharfage / undercharges, 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% (Plus GST as may be applicable) 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 give 7 days' notice for lifting of rejected material and if not lifted, will be also free to Scrap / dispose of such material, after the period of said 37 days, by Public auction/Tender notice/Destruction as may be deemed fit and storage charges @ 0.1 % (Plus GST as may be applicable) 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. The amount received from the sale of scrap/rejected material will be adjusted in the penalty.

Notwithstanding what is contended in the foregoing 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.

23) LIQUIDATED DAMAGES FOR LATE DELIVERY:

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 @ 1 % per week or part of week on the value of delayed material / unexecuted quantity plus taxes as applicable, if any on the price subject to a maximum of cumulative ceiling of 10 % reckoned on the contract value of such complete portion or section of the plant, equipment or material delayed and also the portion supplied which could not be brought into commission due to any part thereof not having been delivered in time. In addition to above if bidder fails to supply the material within contractual delivery period continuously for 3 lots, then the order shall be liable for cancellation.

Due consideration may be given in the levy of liquidated damages for reasons absolutely beyond 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 or the date of receipt of materials at stores in case of road transport, shall be the date of delivery.

In case the Purchaser does not arrange for inspection of material within 10 days from the date of receipt of inspection call in its office wherever applicable, the period of more than 10 days will not be considered for levy of liquidated damages. For computing the period taken for inspection in such cases, the relevant date mentioned in the inspection certificate issued by the inspecting officer would be considered.

24) ORDER PLACED ON TIME PREFERENCE BASIS (WHEREVER APPLICABLE):

In case of order on time preference basis (i.e. orders given at higher rate on delivery period considerations only) if order is given at higher rate of L-2 (or L-3 etc.), then the payment at higher rates will be made provided the firm makes supplies within the stipulated time period. In case of delay in supplies, the payment will be made at the rates offered by L-1. In addition, Clause No. 21 above for Liquidated Damages for late delivery will also be applicable. However, the quantity allocation for order under this clause shall be at the sole discretion of MSEDCL & the specified quantity allocation for this tender will not be applicable in this case.

25) FORCE MAJEURE CLAUSE:

If, at any time, during the continuance of this contract the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restriction, strikes, lock-outs or acts of God (hereinafter referred to as "events"), provided notice of happening of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event, be entitled to terminate this contract nor shall either party have any claim for

damages against the other in respect of such non-performance or delay in performance; and deliveries under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, and the decision of the purchasing officer as to whether the deliveries have been so resumed or not, shall be final and conclusive, provided further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may at its option terminate the contract PROVIDED ALSO that if the contract is terminated under this clause, the purchaser shall be at liberty take over from the contract at a price to be fixed by the purchasing Officer which shall be final all unused, undamaged and acceptable materials, bought out components and stores in course of manufacture in the possession of the contractor at the time of such termination or such portion thereof as the purchaser may deem fit accepting such material, bought out components and stores as the contractor may with the concurrence of the purchaser elect to retain.

26) ACCEPTANCE OF LOWER FORD RATE OFFERED IN SUBSEQUENT TENDER :

During contractual delivery period of supply , the quoted rates with PV / without PV shall remain the same , however for same specification of material if the rates will receive lower in another subsequent tender in extended period of contract then it is binding on the supplier to supply the same material at lower rate for balance quantity of material i.e. in case if price bid of next subsequent tender of similar technical specification is opened and FORD rate found lower than the ongoing contracts this FORD rate shall be made applicable for the balance quantity beyond contractual delivery period. Further the purchaser reserves the right to allow the supplier to deliver the quantity or otherwise beyond the contractual delivery period.

However other stipulations of clause No. 23 of Section-II i.e. Annexure-A will remain unchanged.

27) 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. 21 as stated above i.e. Liquidated damages for late delivery.

28) CONTRACT PERFORMANCE DEPOSIT:

1. The supplier will have to furnish contract performance deposit as per Annexure - N in the form of unconditional & irrevocable BG within 15 days from the date of issue of LoA, as mentioned in Clause 27.2.
2. The contract performance deposit shall be an amount equal to 5 % of the contract value in two installments. **First performance deposit shall be equal to 2.5 % of the contract value in the form of unconditional & irrevocable BG within 15 days from the date of issue of LoA & second performance deposit shall be equal to 2.5 % of the contract value in the form of unconditional & irrevocable BG within 15 days after 6 months from the date of issue of LoA.**
3. **In case contract period is less than or 6 months, the supplier will have to furnish 1st installment equal to 2.5 % of the contract value in the form of unconditional & irrevocable BG within 15 days from the date of issue of LoA & second performance deposit equal to 2.5 % of the contract value in the form of unconditional & irrevocable BG before 2 months from the expiry of contract period.**
4. B.G. shall be valid for a period of 90 days beyond guarantee period of the last lot of the equipment.
5. The contract performance deposit shall be refunded within 90 days from the date of expiry of the guarantee period of the equipment supplied. The purchaser shall not be liable to pay

any interest or compensation to the contractor for retaining the deposit after the end of the said period.

29) 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 bidder/supplier.

30) SETTLEMENT OF DISPUTE:

Permanent Dispute Resolution Committee (PDRC) comprises of Chief Engineer (MM Dept), one member of Accounts Department and representative of supplier will resolve the dispute arise if any.

31) 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 Mumbai.

32) TERMINATION OF CONTRACT:

- 1) 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.
- 2) 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 performance of the supplied material is not found satisfactory, the Purchaser shall exercise in discretionary power either,

- a) to purchase from elsewhere, after giving 15 days due notice to the contractor, at the risk of contractor, such stores/material not so delivered or other of similar description, without cancelling the contract in respect of consignment not yet due for delivery,

OR

- b) to cancel the contract reserving Purchaser's right to recover damages Plus GST as may be applicable.
- c) 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.
- d) Purchaser reserves right to recover damages against risk purchase or 10 % value of non-supplied material plus applicable taxes, if any whichever is higher.

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.

- 3) Further contract can be terminated in case of sub-standard /poor quality material.

33) DEBAR OF MANUFACTURER FROM PARTICIPATION IN TENDERS OF MSEDCL:

The Policy & Procedure for Debarring of Agency from Business Dealings with MSEDCL is provided on MSEDCL website link (<https://www.mahadiscom.in/supplier/wp-content/uploads/2018/06/Final-Booklet-Single-Page.pdf>) and forms the parts of tender document.

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In case of failure on part of successful Bidder at any stage of tendering and execution, the Bidder may be debarred as per MSEDCL debar policy.

34) TAX DEDUCTED AT SOURCE:

The purchaser shall deduct tax at source in accordance with the provisions of the laws as and when the same is notified.

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ANNEXURE - "B"

QUANTITY, PRICE AND DELIVERY PERIOD

ANNEXURE - "B" to be submitted online against commercial bid; attached separately

ANNEXURE 'C-I'

[To be submitted later on as per as per Clause XVIII (B) of Instructions]
CONFIRMATION FOR ACCEPTING ORDER BY MATCHING RATES WITH LOWEST
ACCEPTABLE BIDDER

APPLICABLE FOR INDUSTRIAL UNITS FROM MAHARASHTRA ONLY Marketing Assistance and Purchase Preference to the units from Maharashtra (refer Clause XVIII of Instructions to Bidders):-

1. In case your unit is located in Maharashtra and the
(a) lowest acceptable rate received against the tender is from the unit outside Maharashtra, please confirm whether you are agreeable to accept order at that lowest acceptable rate limited to 50 % (fifty percent) of our requirement.

.....

APPLICABLE FOR ALL BIDDERS INCLUDING THOSE
ELIGIBLE UNDER THE ABOVE CLAUSES:

1. Please confirm whether you are agreeable to accept
(b) order at the lowest acceptable rate received against the tender.

.....

[Industrial units from Maharashtra can give option under 1(b) above for balance quantity]

Note:-

1. If the bidder gives the above confirmation for the quantity less than as indicated in Clause X (iii) of the Instructions to the Bidders, then the above confirmation shall not be acceptable.
2. Bidders may confirm matching for one or more items originally tendered.
3. Any withdrawal of confirmation for order by matching rate within validity of offer will render the entire offer invalid and shall be summarily rejected and Earnest Money Deposit shall stand forfeited.
4. A bidder will not be entitled to the benefit of offers by matching rates and will not be considered for orders if his original offer is rejected on the ground of ambiguity or because of not accepting/noncompliance of the terms & conditions of the tender.
5. In the above confirmation, if the bidder indicates any rate, then the above confirmation given by the bidder will not be considered as valid.

ANNEXURE- 'D'

**TECHNICAL SPECIFICATION FOR AUTOMATIC CT PT TEST SET UP
(Revised 22.12.2021)**

ANNEXURE- 'E'
(On bidders' letter head)

CONSENT FOR SUPPLYING THE MATERIAL AS PER MSEDCL STANDARD TECHNICAL SPECIFICATIONS.

I/We, have understood and checked the tender documents for supply of Automatic CTPT Test Set up and have not found any errors in them.

We have submitted price bids for Tender No. MMD/T-HTM2-03/0322 for supply of Automatic CT PT Test Set Up.

We hereby declare and confirm that we accept the MSEDCL STANDARD TECHNICAL SPECIFICATIONS and agree to supply the material as per these STANDARD TECHNICAL SPECIFICATIONS if we are awarded the supply order.

In view of above, I/we have not filled the online GTP.

I/we am/ are enclosing the Type Test Report details covering all the type tests as per relevant IS as below.

Sr. No.	Details of Tests as per IS:.....	Calibration report/ Type Test Report No. & Date
(1)		
(2)		

Yours faithfully,

Signature & Seal of company,

In the capacity of duly authorized to sign bids for and on behalf of

Address:

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ANNEXURE- 'F'

(On bidders' letter head)

CONSENT FOR PARTICIPATION IN TENDER AS NEW SUPPLIER

I/We, have understood and checked the tender documents for supply of tender material and have not found any errors in them.

I/We hereby declare and confirm that we are participating in the tender no.....as New Supplier and agree to supply the material as per terms and conditions of the said tender.

Yours faithfully,

Signature & Seal of company,

In the capacity of duly authorized to sign bids for and on behalf of

Address:

ANNEXURE- 'G'

Price variation clause

Not Applicable

ANNEXURE- 'H'

GUARANTEED TECHNICAL PARTICULARS

As indicated in E-Tendering GTP Parameter

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ANNEXURE- 'I'

(On supplier's Letter Head)

I, certify that,

- a. The business dealings with our firm / agency M/s..... have not been debarred by any Ministry of GoI / GoM / state owned electricity distribution utility and still in force.
- b. The Directors, Proprietors, Partners, Employee(s) or owner of our firm / agency M/s..... have not been either jointly or severally guilty of malpractices in relation to its business dealings with the Government or MSEDCL during the last five years.

I hereby certify that I am duly authorized representative of M/s.-----
whose name appears above my signature.

Bidders Name:

Authorized representative's signature:

Authorized representative's Name:

Seal of the company

Name and address of the Bidder

Date:

Annexure- 'J'

(On MSEDCL Letter Head)

Dispatch Instructions

BY R. P. A. D. / ORD. POST /E-MAIL

(SAP CONTRACT No: -----)

To,

M/s. -----

Email: -----

Sub: Supply of ----- against A/T No. ----- dt. -----

Ref: Final Inspection Call letter No. ----- dt. -----.

(I.W. Regn. No. ----- dt. -----)

Your readiness of material letter no. dtd.....

Dear Sir,

With reference to the above, you are requested to dispatch CT PT Test Set Up as given below:

Sr. No.	Consigned to	Meant for Circle	Meant Zone for	Qty. in Nos.

Further, you are requested to contact concerned S.E. (O&M) Circle / E.E. (O&M) Division / E.E. (MMD) before dispatching / unloading the above material.

This is issued without prejudice to all other terms and conditions of the order.

Yours faithfully,

Chief Engineer (M M Dept.)

Copy f.w.cs. to:

The C.E., MSEDCL, -----.

Copy to:

The G.M. (F & A – SB), MSEDCL, Mumbai.

The E.E. (O & M Division), MSEDCL, -----

Annexure- 'K'

List of Stores

Sr. No.	Name of Stores	Address
1	Common Stores Ahmednagar	Nagar-Pune Road, Opp. Arti Hotel, Kedgaon, Ahmednagar.
2	Common Stores Airoli	Power House, Thane-Belapur Road, Airoli, Navi Mumbai.
3	Common Stores Akola	Major Store Babhulgaon NH No 6 Akola.
4	Common Stores Amravati	Major Store MSEDCL Power House, Mulshi Road, Amravati.
5	Common Stores Aurangabad	MIDC Plot No. J-13, Opp. Garware Stadium, Naregaon Phata, Chikhalthana, Aurangabad.
6	Common Stores Beed	Near 132 kV Sub-station, Idgah Nagar, Nalvandi Naka, Beed.
7	Common Stores Chandrapur	Near Vidyut Bhavan, Bagala Chaowk, Babu Peth, Chandrapur.
8	Common Stores Jalgaon	Old MIDC Area, Behind Ajanta Lawns, Ajanta Road, Aurangabad Highway, Jalgaon.
9	Common Stores Kalyan (Netivali)	MIDC Phase 1, Near Tata Power House, Kalyan - Dombivali Road
10	Common Stores Kamptee	Maldhakka Godown, Behind Railway Station Kamatee, Nagpur.
11	Common Stores Khamgaon	Manav Dharm Bld. Near 132 kV Sub-Station, Shegaon Road, Khamgaon, Dist. Buldhana.
12	Common Stores Kolhapur	Kaneri Math Road, A/P Gokulshirgaon, Tal. Karveer, Dist. Kolhapur.
13	Common Stores Kudal	Malwan Road, MIDC Pinguli-Nerur, Kudal, Sidhudurg.
14	Common Stores Latur	MIDC Plot No. P-21/P, In Front of Kirti Gold Oil Mill, Latur.
15	Common Stores Mulshi	Phursungi-Saswad Road, Near Overhead Bridge, Mulshi/ Phursungi, Dist. Pune.
16	Common Stores Nanded	Taroda Naka Main Road, Nanded.
17	Common Stores Nashik	Aringale Plot, Hanuman Nagar, Jail Road, Juna Saykheda Road, Panchak, Nasik.
18	Common Stores Osmanabad	Near MSEDCL Rest House, Tuljapur Road, Osmanabad.
19	Common Stores Palghar	Near 33/11 kV Sub-Station, MSEB Coloney, Boisar Road, Palghar.
20	Common Stores Parabhani	Old Power House Jintur Road, Parbhani.
21	Common Stores Ratnagiri	MIDC Area Mirjole, Kuwarbav, Ratnagiri.
22	Common Stores Sangli	Near Walchand Engineering College, Vishram Baug, Sangli.
23	Common Stores Satara	A/P Satara, Tal. Koregaon, Dist. Satara.
24	Common Stores Solapur	Plot No P-4, MIDC Chincholi, Behind Post Office, Solapur
25	Common Stores Tumsar	Near Power House, Nakaq Dongari Road, Old Bus Stop, Tumser, Bhandara.
26	Common Stores Yavatmal	MIDC Lohara, Yavatmal.

ANNEXURE – ‘M’

BANK GUARANTEE FORMAT

EARNEST MONEY DEPOSIT BANK GUARANTEE AGAINST TENDER

B.G. No. & DATE:

The Bank of _____ (full address of Branch) hereby agree unequivocally and unconditionally to pay, at Mumbai within 48 hours, on demand in writing from the MAHARASHTRA STATE ELECTRICITY DISTRIBUTUION CO. LTD. (name of the company formerly known as M.S.E.B.) on behalf of M/s _____ (Address as per MSEDCL REGISTRATION) who have tendered and/or contracted or may tender or contract hereafter for supply of materials. Equipments or services to the MAHARASHTRA STATE ELECTRICITY DISTRIBUTUION CO. LTD. against Tender No. ----- dated ----- total value of Tender is Rs. -----

This agreement shall be valid and binding on this Bank up to and including validity (date) and shall not be terminable by notice or any change in the constitution of the Bank or the firm of contractors or any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made given conceded or agreed with or without our knowledge or consent by 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 DISTRIBUTUION CO. LTD. (name of the company- formerly known as M.S.E.B.).

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

Our liability under this Guarantee is restricted to Rs.-----/- (Rupees----- only). Our Guarantee shall remain in force until (date). Unless a suit or action to enforce a claim under the guarantee is filed against us within six months from the aforesaid date, all your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liability there under.

Place:

Date:

Sign-----

For-----

(Banker's Rubber Seal & Bank Code No. of signatory)

Please note that:

1. The value of non-judicial stamp paper for this Bank Guarantee is Rs.200/- should be purchased in the name of Guarantor Bank.
2. The Bank Guarantee should be furnished from any Scheduled Bank/Nationalized Bank.
3. Please state the full and complete postal address of the Bank undertaken the guarantee.
4. The Bank Guarantee may be valid as per terms and condition of A.T.
5. B.G. should be submitted along with covering letter of Bank.

ANNEXURE – ‘N’

BANK GUARANTEE FORMAT

FORM OF BANK GUARANTEE FOR THE PERFORMANCE OF THE EQUIPMENT

B.G. No. & Date:

This deed of Guarantee is made thisday of.....
By.....branch having at H.O. at..... (here in after called
“the Surety” which expression shall where the context so admits include its permitted assign) in
favour of MAHARASHTRA STATE ELECTRICITY DISTRIBUTUION COMPANY LTD. (name of the
company formerly known as M.S.E.B.) being a government company formed as per the
provisions of the Maharashtra Electricity Reforms Transfer Scheme. 2005 having its registration
no. U40109 MH 2005 SGC 153645 (here in after called the “Creditor” which expression shall
include its permitted assigns). WHERE AS M/s. (Name of Party)..... (Postal address as per A/T)
have entered into a contract to supply (Name of Material) to the MAHARASHTRA STATE
ELECTRICITY DISTRIBUTUION COMPANY LTD. (Name of the Company formerly known as
M.S.E.B.). vide contract No.dtd.....on the terms and conditions in the said
contract. (here in after for brevity sake called “the said contract”).

In accordance with terms of the said contract, the creditor has agreed to pay to
M/s.....(Name of Party)..... the said sum representing the 5% of the total contract
price for the Rs...../- and WHEREAS M/s. (Name of Party).....is required
under the terms of contract to furnish a Bank Guarantee for Rs...../- (Rupees:.....Only) the
said sum representing the 5 %price as given in the said contract.

The surety as he requests of M/s.(Name of Party).... has agreed to give this
guarantee.

NOW THEREFORE THIS DEED WITNESS AS FOLLOWS:

1. In consideration of the creditor agreeing to make to the debtor at Mumbai the payment of
Rs..... (Rupees.....only) being the value of 10% of the total contract
.....price as given in the said contract on supplying the complete material as per the
contract by the debtor failing which the surety does undertake to pay to the creditor on
demand such amount of amounts as the surety may be called upon to pay not exceeding in
the aggregate sum of Rs./- (Rupees.....only).
2. The surety hereby guarantee to the creditor the due performance and observance by the
debtor of the terms and conditions of the contract.
3. The surety also agrees that it shall not during the currency of the guarantee herein given
or during the period of its execution revoke the same even by giving notice to the creditor.
4. On account of the non-fulfillment of the contractual obligation by the debtor or in case the
surety or contractor do not renew this guarantee bond as herein provided, the surety will
on simple demand from the creditor, pay at Mumbai the creditor, the sum of
Rs.....(Rupeesonly) as indicated under clause -1 above, without demure and
without the creditor to invoke any legal remedy that may be available to them to compel
the surety to pay the same even if the debtor consider such demand of the creditor
unjustified.
5. The surety agrees and declares that notwithstanding anything contained in Section 133 to
135 of the Indian Contract Act 1872 (IX of 1972) or any other rule of law or equity in the
view of any variance in the terms of the said contract shall not operate as a discharge of
his obligations hereunder or shall any composition made by the creditor with debtor in
respect of any breach of the terms and conditions of the said contract operate as a
discharge of the surety’s obligation and surety further expressly agrees and declares that
though as between the creditor and surety, the surety shall be liable for sum payable or
falling due hereunder equally with the debtor and the surety save as otherwise herein

provided hereby waives all his rights which he might as guarantor be entitled to claim and enforce.

6. The decision of the creditor that any sum has become payable shall be final and binding on the surety.
7. The guarantee shall come into force on supply of material shall remain in force till the end of(date)The surety, at the request of the creditor shall extend the validity of the Bank Guarantee for a further period of 12 months, one month prior to its present validity period.
8. In case of any dispute arising out of or in connection with the extension or encashment of the Bank Guarantee, the courts in Mumbai will have the jurisdiction.
9. The guarantee herein contained shall not be effected, by the change in the constitution of the surety or the debtor.
10. Our liability under this guarantee is restricted to Rs.(Rupees.....only) and our guarantee shall remain in force until (Date....) unless a claim under this guarantee is lodged with us within six months from the date of expiry of guarantee i.e. on or before ..(date)....all your rights under this guarantee shall be forfeited and we shall be relieved and discharged from all our liabilities there under.

IN WITNESS WHERE OF THE surety has executed this deed in presence of

Place: Signature.....

Date: for.....

(Banker's Rubber Seal & Code No. of signatory)

Witnessed (2 witness is required from bank only)

1) Name & Address

Signature

2) Name & Address

Signature

Please Note:

1. The value of non-judicial stamp paper for this bank guarantee is Rs. 200/- should be purchased in the name of Guaranteed Bank.
2. The bank guarantee should be furnished from any Scheduled bank
3. Please state the full and complete postal address of the bank undertaking the guarantee.
4. B.G. may be valid as per terms of A/T including guarantee period of material.
5. B.G. should be submitted along with covering letter of Bank.

SCHEDULE- 'C'

Quantity Offered at Column No. 6 of Annexure-'B' (Price Schedule):

Sr. No.	Item Code	Material Description	Quantity Tendered in Nos.	Quantity Offered at Column No. 6 of Annex-'B' (Price Schedule) in Nos
1	2	3	4	5
1	77901422549	CT PT Test Set Up fully Automatic.	6	

Seal & Signature of Supplier

FORMAT – ‘1’

Undertaking for not approached any one for undue influence.

(To be submitted on letter head of the bidder)

TO WHOM SO EVER IT MAY CONCEREN

I / We _____ hereby submit the undertaking that our firm or our partners or directors have not approached any one for undue influence against the Tender/Bid.

If it is found that we have given wrong or misleading information then our offer shall be summarily rejected.

Date:

Place:

(Signature, Name of Authorized Representative & Company Seal)

FORMAT - '2'

Format of Certificate from Chartered Accountant for not have controlling stake in more than one entity applied for the Tender/Bid.

(To be submitted on Letter Head of the Chartered Accountant)

TO WHOM SO EVER IT MAY CONCEREN

I _____ hereby certify that the firm M/s _____ or its partners or directors does not have controlling stake in more than one entity applied for the Tender/Bid.

If it is found that they have given wrong or misleading information then their offer shall be summarily rejected.

Date:

Place:

(Seal, Signature & Name of C.A.with Regn. No. & UDIN No.)

FORMAT- '3'

Format of Certificate from Chartered Accountant for Annual Turnover
(To be submitted on Letter Head of the Chartered Accountant)

TO WHOM SO EVER IT MAY CONCERN

We have examined the audited financials of M/s_____, having its registered office at _____, for the financial years (i.e. 2018-19, 2019-20 & 2020-21 or 2017-18, 2018-19 & 2019-20). Based on our examination, we hereby certify that Annual Turnover for respective financial year mentioned below is in accordance with the audited financial statements:

Financial Year	Assessment Year	Annual Turnover Amount In Rupees Lakhs.
Total. Rs.		
(Rs. ... Figure in words)		
Average Annual Turnover Of Last Three Financial Years		

This certificate is given on the basis of copy of audited financial reports for profit/loss account and balance sheet.

Date:

Place:

(Seal, Signature & Name of C.A. with Regn. No. & UDIN No.)

=====

FORMAT- '4'

Format for No Deviation Form

(To be submitted on letter head of the bidder)

Tender Name: Tender for

Tender No. :

CERTIFICATE FOR NO DEVIATION

We, (Bidder's Name), hereby certify that there is no technical or commercial deviation from the Conditions mentioned in Tender Document and I am agreeing to all the terms and conditions mentioned in the Tender Specification.

Bidders Name:

Authorized representative's signature:

Authorized representative's Name:

Seal of the company

Name and address of the Bidder

Date:

FORMAT- '5'

PRE-BID QUERY FORMAT

(To be submitted on letter head of the bidder)

Tender Name: Tender for.....

Tender No. :

Name of the Company:

Name of Key Person:

Key Person Contact details: Mobile: Email

Tender Purchased: YES/NO :

Section & Clause

Sr. No.	Clause No.	Page No.	Section & Clause	Query

Note:

1. It is to be noted that Pre-Bid Queries must be sent within **two days** after Pre-Bid meeting in the *above prescribed format only*. Any query sent afterwards shall not be entertained.
2. Pre-Bid queries should be sent on cemmcsedcl@mahadiscom.in/cemmcsedcl@gmail.com only. Other mode of communications shall not be accepted.
3. MSEDCL is not bound to reply all the queries.
4. Replies of Pre-Bid Queries shall be published on MSEDCL e-Tender website.

Authorized Signatory with seal

FORMAT – ‘6’**Format for –Readiness of Material for Inspection**

**[THIS IS ONLY A PROFORMA, ACTUAL INSPECTION CALL HAS TO BE GIVEN ON YOUR
COMPANY LETTER HEAD ONLY]**

Ref. No.**Date:**

To,
The CE (MMD),
M.S.E.D.C.L., Prakashgad,
Bandra (E), Mumbai - 400051.

Sub: Readiness of material for inspection against LOA/AT No. ----- dated. -----
--for Supply of -----.

Against the LOA/AT cited above, the material as detailed below is hereby offered for inspection

1. Brief description of the material Offered for inspection:
2. Reference of drawing Approval (If applicable):
3. a) Reference of approval of type test(If applicable):
b) Reference of approval of prototype test(If applicable):
b) Reference of approval of balance type test (If applicable):
4. Whether it is a joint inspection with EE (Testing)/ SE (TQA) etc.
(if applicable) (Say Yes or No):
5. a)Whether contract performance deposit has been paid against
the order:
b) if paid, please give details:
6. Sr. No. of the items as per LOA/AT:
7. Total Quantity of the items Ordered:
8. Total quantity of the items inspected so far:
9. a) Quantity monthly committed in delivery schedule:
b) Lot No. for which the Quantity is offered for inspection now:
c) Due date of delivery as per LOA/AT for offered quantity:
10. Date of readiness of Material:
11. Complete address of the factory where materials is to be

=====

inspected:

12. Name of the person to be contacted in connection with inspection & his Office/Factory/Residence Tel. No.:
13. Staggering holiday of Factory/Office at the place of inspection:
14. a) Whether Dispatch Instructions are available (Say Yes or No):
b) Quote Letter No.:
c) Brief destination & Qty. per consignee of this present lot offered:

	Name of consignee	Qty.
--	----------------------	------
15. Last visit of our Inspecting Officer:
16. a) Whether the entire material is dispatched against last inspection. (Say Yes or No) (MSEDCL's E.E.[Inspection/Testing] will ensure before inspection of this lot that the earlier inspected lot is already dispatched)

b) Quantity dispatched:

	Name of consignee	Qty.
--	----------------------	------
17. Further programme of production Quantity likely to be offered & by what date:

Yours Faithfully,

Authorized Signature
For (Name of the firm)

Copy f.w.c. to :

- 1) The Executive Engineer (HTM-2), Material Management Dept., MSEDCL, H.O., Mumbai-51.

Special instructions for suppliers:

1. Inspection call letter with incomplete information will not be accepted.
2. The material should be offered complete as per approved bill of material wherever applicable.
3. Material should be properly stacked for quantity verification.
4. Inspection call should be given in the firm's Letter Head only and to be submitted on MSEDCL Material Inspection Portal <https://mip.mahadiscom.in/InspectionPortal/>
5. For any query please e-mail on Inspection Portal support Email ID:
inspection.portal@mahadiscom.in

FORMAT - '7'**Format for –Inspection Approval**

[On MSEDCL's Letter Head]

Ref. No.**Date:****Camp:**

To,

M/s.....

Works Address:

Sub: Final inspection and approval of (Name of material) against
LOA/AT No. ----- dated. ----- for Supply of -----

Ref:1) Readiness of material for Final inspection vide no..... dtd.....

[Date of readiness: dd/mm/yyyy]

2) Authorization letter for Final inspection vide no.....dtd.....

3) Drawing approval no. dtd.

4) Type Test approval no..... dtd.

5) Dispatch Instruction No..... dtd.....

6) MSEDCL's Material Inspection Portal Call Id No.

Dear Sir,

The routine test certificate submitted by you and the acceptance tests carried out at the time of inspection for the material & quantity mentioned below have been scrutinized with as per MSEDCL Specification and GTP Approval have been generally found in order and hence approved. Therefore the material is cleared for dispatch.

Sr.No.	Details	Item 1	Item 2
1	Description of material offered for inspection:			
	(a) Sr.No./Item as per LOA/AT			
	(b) Item code no.			
	(c) Total order quantity for above item/s. (...UoM)			
2	Quantity offered for inspection (...UoM)			
3	Quantity Inspected (...UoM)			
4	Quantity Accepted (...UoM)			
5	(a) Progressive Total Quantity so far inspected (Including this inspection): (...UoM)			
	(b) No. of inspection carried out against order for this item.			
6	Material to be dispatched as per			

	dispatch instructions as indicated below:									
	Name of the offices	Name of the consignees (Major Stores/ Store Centre)	Meant for Circle	Qty in (UoM)			Qty in (UoM)			Material to be reached to destination stores on or before
				Item no...			Item no...			
				Item description			Item description			
				Scheme-1	Scheme-2	Total	Scheme-1	Scheme-2	Total	
	dd/mm/yyyy	
		
Total										
7	Sealing:			Sealing of no. each of ...(name of item).....are carried out on randomly selected & tested for acceptance test bearing sr nos./Seal No. Sealed with paper seal sign by the undersigned.			Sealing of no. each of ...(name of item).....are carried out on randomly selected & tested for acceptance test bearing sr nos./Seal No. sealed with paper seal sign by the undersigned.			
				Sr.No.... / Seal No...			Sr.No. / Seal No...			
				Sr.No..../ Seal No...			Sr.No.... / Seal No...			
8	Other Details:									
	(1) Material inspected at & place where the material is inspected. [Name of premises]									
	(2) Date of Inspection									
	(3) Test Report signed in blue ink (Say Yes or No)									
	(4) Matching materials earlier inspected are already dispatched.(Say Yes or No)									
	(5)Whether all the equipments used during inspection have valid calibration.(Say Yes or No)									

The above approval is given without prejudice to the other terms and conditions of the LOA/AT.

Enclosed: Test Results.

Yours faithfully

(Sign & Name of MSEDCL's Inspector)

Executive Engineer (Testing)

.....Testing Division

Copy s.w.r.t.:

- 1) The Chief Engineer (MMD), MSEDCL, Prakashgad, Mumbai-51.
- 2) The Superintending Engineer (MMD), MSEDCL, Prakashgad, Mumbai-51.
- 3) The Executive Engineer (HTM-2), MMD, MSEDCL, Prakashgad, Mumbai-51.

FORMAT – ‘8’

Format of List of order in hand
(To be submitted on Letter Head of the Chartered Accountant)

TO WHOM SO EVER IT MAY CONCERN

We have examined the information and records of M/s_____,
having its registered office at _____. Based on our examination, we
hereby certify that following purchase orders are in under execution which are received to
M/s_____, for material mentioned below from the Electrical
Utilities/ Government departments/ Discoms /SEBs:

Sr. no.	Item Description	Purchase name	Purchase order no.	Purchase date	Order quantity	Supplied quantity	Balance Quantity to be supplied

Date:

Place:

(Seal, Signature & Name of C.A. with Regn. No. & UDIN No)

ANNEXURE – ‘U-I’**“INDEMNITY BOND”**

UNDERTAKING TO BE SUBMITTED BY THE PARENT COMPANY SITUATED ABROAD IN CASE OF THE PARTICIPANT BIDDER WHO IS AN INDIAN BASED SUBSIDIARY ON GENERAL STAMP OF ₹200.00.

The Chief Engineer,
Maharashtra State Electricity Distribution Co. Ltd.,
Material Management Department,
1st Floor, Prakashgad, Bandra (E),
Mumbai – 400 056.

Dear Sir:

Sub: Undertaking against Tender No. ____ for procurement of _____

We, M/s. ____ having registered office at ____ are the Parent Company of M/s. ____ who have participated against your tender no. ____ for procurement of ____.

We have carefully read and have thoroughly understood and agree to the terms and conditions of the subject tender.

We hereby undertake that in case of placement of order against the subject tender on our subsidiary company, M/s. ____, in the event of we accept all the responsibilities and liabilities for supply of quality equipments as per specification of the tender and execution of the contract. We further hereby undertake that we shall be responsible for any liability arising out of the contract placed on M/s. ____ and to pay MSEDCL on demand the sum of rupees as per agreement in the event of any breach of condition of the purchase order, loss and damage of the material till expiry of guarantee period as stipulated in the order.

Our liability here under shall not be impaired or discharged by extension of time or variation or alteration made with or without our knowledge or consent by or between the parties to the said contract. This undertaking shall be valid and binding on us upto and including the execution and guarantee period of the order and shall not be terminable by notice or change in the constitution of any of the companies. In case of any dispute arising out of or in connection with this tender or contract, if concluded, the same shall be subject to the exclusive jurisdiction of the **“Court in Mumbai (India).”**

Yours faithfully,

(Authorised Signatory)
For _____

Annexure 'B'(Price Schedule)

Sr.No	Item Code	Material Description	Unit	Quantity Required	HSN	Quantity Offered	Unit ExWorks including packaging charges but excluding duties & taxes etc (In Rupees)	Freight Charges Per Unit (In Rupees)	Transit Insurance Charge s Per Unit (In Rupees)	Integrated GST for outside State Transaction on (Ex- Works Price+Freight Charges + Transit Insurance Charges)(In Rupees)	Central GST for within State Transaction on (Ex- Works Price + Freight Charges + Transit Insurance Charges)(In Rupees)	State GST for within State Transaction on (Ex- Works Price + Freight Charges + Transit Insurance Charges)(In Rupees)	Free Door Delivery Price Per Unit by Road upto Destination/Stores/Sub Station (In Rupees)
1	2	3	4	5	6	7	8	9	10	11	12	13	14=(8+9+10+11+12+13)
1	77901422549	Automatic CT/PT Test Setup	NO	6	90312000								

Delivery Details

[Delivery must in the units specified for the items as per Price Schedule]

First lot of ____ in assorted sizes will be delivered within 3 Months from the date of LOA Award. After this period supply will be completed at the rate of ____ in assorted sized per month

Confirmation Details

We Confirm The Following :

I) Goods and Services Tax(GST) i.e Integrated GST / (Central GST+ State GST):

The GST is included in our prices quoted in price bid (Central GST+ State GST) for within Maharashtra State/Integrated GST for outside State and we shall not charge any additional amount towards Integrated GST / (Central GST+ State GST), during currency of contract except statutory variation by Central / State Government in normal (full) rate of Integrated GST / (Central GST+ State GST), in case of Integrated GST / (Central GST+ State GST) Rate is increased. In case the Integrated GST / (Central GST+ State GST) is decreased than the rate indicated in the price bid, the benefits of the reduction in the Integrated GST / (Central GST+ State GST) shall be passed on to the Purchaser. The increase in the Integrated GST / (Central GST+ State GST) rate due to increase in turnover during the contractual delivery period shall not be charged to the Purchaser. If the Integrated GST / (Central GST+ State GST) is not payable at present, we shall not charge the same, if it becomes applicable during the currency of contract due to expiry / withdrawal of tax concessions and incentives during the currency of contract except for statutory variation by Central / State Government.

(i) Necessary documentary evidence for the GST claimed by us shall be submitted along with the bills.

(ii) We here by declare that while quoting the price in the Price Bid, we have taken into account the entire credit on inputs available under the GST Act.

Technical Specification Item: Automatic CT/PT Test Setup



Maharashtra State Electricity Distribution Company Limited

SPECIFICATION NO.MMC: MSC/DB/01 /2018

TECHNICAL SPECIFICATION

For

Automatic CT/PT Test Setup

For

DISTRIBUTION SYSTEM

IN

MSEDCL



**Maharashtra State Electricity Distribution
Company Limited**

MATERIAL SPECIFICATIONS CELL

TECHNICAL SPECIFICATION

FOR

**AUTOMATIC CT/PT TEST SET UP HAVING DIGITAL CONTROL
PANEL WITH COMPLETE SYSTEM**

TECHNICAL SPECIFICATION NO.
CE/T-QC/MSC-II/2019/

Date: 13.06.2019 (Revised 22.12.2021)

I N D E X

Clause No.	Contents
1	SCOPE
2	QUALIFYING REQUIREMENTS
3	OBJECTIVE
4	SERVICE CONDITIONS
5	STANDARDS
6	GENERAL TECHNICAL PARTICULARS
6.1	Automatic Instrument transformer Test system
6.2	Adjustable Power source
6.3	Adjustable current source complete with a precision standard CT
6.4	A Set of Current Transformer burden box
6.5	Automatic CT Demagnetizer
6.6	Source of adjustable voltage for PT testing
6.7	Bi-pole Standard PTs
6.8	Potential Transformer Burdens
6.9	A Set of leads for CT & PT connections
7	CALIBRATION TEST CERTIFICATE
8	GUARANTEED TECHNICAL PARTICULARS
9	INSTALLATION AND COMMISSIONING
10	DEMONSTRATION
11	CALIBRATION
12	SPARES
13	TRAINING
14	GUARANTEE
15	AFTER SALES AND SERVICE
16	PRE-DISPATCH INSPECTIONS
17	QUALITY CONTROL
18	MINIMUM TESTING FACILITIES
19	PACKING
20	SCHEDULES
21	DOCUMENTATION
	SCHEDULE - F
	ANNEXURE U-I
	SCHEDULE - A

ANNEXURE D**TECHNICAL SPECIFICATIONS FOR AUTOMATIC CT/PT TEST
SET UP HAVING DIGITAL CONTROL PANEL WITH
COMPLETE SYSTEM****1.0 SCOPE :**

Design, engineering, manufacture, delivery, installation and commissioning Automatic Computerized CT & PT Test System in the MSEDCL Laboratory. This specification covers the requirement of complete test system for automatic testing of instrument transformers. The system shall be self contained and comprise of the following.

- i) Appropriate power source to generate the required test voltages & currents.
- ii) Appropriate reference CTs & PTs.
- iii) A set of burdens to load the CT/PT under test to the required operating point.
- iv) An automatic CT/PT comparator to measure the errors of the test specimen transformer with respect to the reference transformer. used for testing of single phase Current Transformers 0.2,0.2s,0.5,0.5s,1 accuracy class & Potential Transformers of various accuracy class 0.2, 0.5, 1.0 generally conforming to relevant IS and IEC.
- v) This comparator to measure composite error of protection class CTs at rated current as per IS 16227 (Part 2) 2016. Composite error can be displayed on equipment or on associate PC or on both.
- vi) An automatic CT demagnetizer to demagnetize CTs prior to conducting the accuracy tests.
- vii) Accessories for PT testing such as Bi-pole standard PTs, potential transformer burden etc.
- viii) Accessories for CT testing such as standard current transformer, CT burden for 1A & 5A.

In addition to above, the successful bidder / vendor (hereinafter referred to as Vendor) shall also be required to provide:

- i. Operations Manuals including drawings. – 1 set in hard copy , plus 1 set in CD form giving the soft-copy version of all the manuals
- ii. Training to at least 5 personnel from the Department on all aspects of operation and maintenance
- iii. Continued technical support during Guarantee period and after warranty period.
- iv. List of Spare Parts & Consumable items.
- v. Related Softwares.

The Automatic CT/PT Testing system shall be a microprocessor controlled Instrument transformer test set. It shall be basically an automatic comparator, which compares two Instrument transformers

(CTs or PTs) of normally same ratios. The comparator balances the two inputs from the standard transformer and the test transformer automatically and small variations in the excitation voltages, currents & frequencies shall not affect the measurements. The Instrument shall be capable to test CTs having 1A and 5A secondary current as well as potential transformers.

The Automatic CT/PT Testing system shall have inbuilt RS-232/USB /other communication interface to enable the user to dump the measured values to a serial printer or to a computer with suitable communication software provided with the kit.

2.0 QUALIFYING REQUIREMENTS:

2.1 The bidder shall be an original manufacturer / sole authorized dealer / accredited representative of manufacturer of the tendered item. In case of dealers / authorized representative, an authorization letter for quoting in this tender with mentioned tender no. shall be obtained from original manufacturer & shall be submitted along with this bid.

2.2 In case the bidder is not an original manufacturer, the operating experience of the bidder shall be more than 5 years for supplying and providing after sales support of similar or better equipment to NABL Accredited Laboratories /CT PT Manufacturing Companies/ Govt. Depts. /Power Utilities in India or Aboard.

2.3 The bidder should have a valid ISO 9001 & ISO 14001 certification.

2.4 The bidder should submit minimum 5 Job Completion Certificates for CT PT manufacturer or Utility Projects.

2.5 The manufacturer must have experience of minimum five years in Micro Controller Based automation in the field of CT PT Testing & Integration for supply of similar or better equipments to National / International Accredited Laboratories/Govt. Depts. / CT PT Manufacturers or Power Utilities. The manufacturer shall enclose necessary purchase order copies along with their bid to prove the same.

2.6 The bidder shall submit satisfactorily performance report copies of supplying automatic CT/PT Test Set up testing and report generating software from recognized NABL Accredited Laboratories/Govt. Depts./ CT PT manufacturers that the same has given trouble free service. Bid submitted without the performance letters shall be treated non responsive.

2.7 The Bidder shall have successfully executed as a prime contractor at least three (3) contracts involving supply, installation, testing and

commissioning of fully automatic CT PT Test Set up, within the last five (5) years as of the last date of Bid Submission.

2.8 Tests: Calibration Reports/Test Certificate:

The tenderer shall furnish detailed calibration certificates of all major required instruments and equipments for CT/PT testing as per IS 17025 with the offer from laboratories which are accredited by the National Accreditation Board for Testing and Calibration Laboratories (NABL) of Government of India to prove that the instruments offered meet the requirements of this specification. The calibration certificates should have been carried out within one year prior to the date of opening of the tender. The offer without calibration certificates of all major required instruments shall not be considered for further evaluation. The calibration test certificates in manufacturers own laboratory and certified by testing institute other than NABL Accreditation shall not be acceptable. Other stipulations in respect of Tests shall be as per Cl. No. 7 of Technical Specifications.

2.9 The bidder or their principals / manufacturer shall have the necessary minimum testing facilities for carrying out various acceptance and routine tests. A list of machinery / equipment and testing facility available at their Works shall also be furnished along with the offer.

2.10 The bidder shall declare that the bidder or their principals have not ever been black listed / defaulter by any utility / ESCOMs / Distribution Company / Laboratories / Any department of State Government or Central Government on record of poor performance such as not properly completing the contract, inordinate delays in supply completion, not supplying the items as per commitment of contract etc.

2.11 Bidder or their principals shall have fully equipped technical support office / laboratory for facilities of testing, calibration, adjustment, diagnosis and repair of equipments in India itself. Bidder or their principals shall have technical support staff posted in India for technical support after sale.

2.12 The Bidder or their principals shall have their own service centers and trained engineers dedicated for trouble shooting and technical support permanently posted in India. The bidder shall enclose necessary proof that the firm / the manufacturer / the principal the bidder is participating for, has necessary facility to adjust and calibrate the offered measuring units within the country. The list of Plant and Machinery, tools and tackles to carry out services shall be submitted along with the offer.

2.13 The offers of Indian subsidiary company, whose parent company is located abroad fulfilling the qualifying requirements as above, shall be considered provided the Indian participant subsidiary company fulfils the minimum experience of five years of supply or manufacturing of similar or better equipments to National / International accredited laboratories or power utilities. However, the conditions of turnover and supply of minimum quantity of similar or better equipments to National / International accredited laboratories or power utilities as brought out elsewhere in tender documents can be fulfilled by the parent company located abroad on behalf of their Indian subsidiary company. The parent company shall furnish undertaking for accepting responsibility for supplying quality equipments as per specifications and execution of the contract on behalf of its India based subsidiary unit who has participated in the tender in Annexure U-I.

3.0 OBJECTIVE:

To provide complete and comprehensive facilities for doing routine, acceptance and certification tests pertaining to accuracy requirements on Current Transformer & Potential Transformer for types of various accuracy classes generally confirming to relevant IS & IEC.

4.0 SERVICE CONDITIONS:

The equipment to be supplied against this specification shall be suitable for satisfactory operation under the following tropical conditions.

- 2.1 Maximum ambient temperature (Degree C) ... 50
- 2.2 Minimum ambient temperature (Degree C) ... 3.5
- 2.3 Relative Humidity (%) ... 10 to 100
- 2.4 Maximum altitude above mean sea level (meter) ... 1000

5.0 STANDARDS:

Unless otherwise specified elsewhere in the specifications the equipment shall confirm to the relevant IEC/IS standard with the latest revisions if any at the time of placement of the order.

6.0 GENERAL TECHNICAL PARTICULARS:

The detailed technical specifications shall be as follows.

6.1 Automatic Instrument Transformer Test System

The CT/PT test system shall be designed to test CTs over the range of 5... 1000 amperes and PTs over the range of 100... 33,000 volts. The system is self contained and includes all the required power supplies to generate the test voltage & current, the appropriate reference CTs

and PTs, a set of burdens to load the test CT/PT to the required operating point and an Automatic CT/PT comparator to measure the errors of the test specimen transformer with respect to the reference transformer. An automatic CT demagnetizer is provided so that the test CTs can be demagnetized prior to conducting the accuracy tests. The system arrangement is such that all the controls are provided on the front panel of the cabinet while all the connections to the test including connections for CT specimen/PT are made on the front of the cabinet. The rear end of the cabinet & high voltage area shall be fenced off for safety purposes. Basic safety features such as helmet, gloves, HV mat, voltage annunciation device, suitable grounding etc. are required to be provided. All safety arrangements shall be provided as per convenience of MSEDCL's Laboratory.

The high voltage power supply for the PT test set-up and the Standard PT are provided externally to the cabinet.

- **Features**

- Fully pre-wired comprehensive turn key CT-PT test setup.
- Suitable for CTs upto 1000A & Single Phase PTs up to 33kV
- Precision (0.05% Class) internal multi-ratio standard CT
- Internal 2.4KA / 16 kVA current source
- State of the art Instrument Transformer Test Set with computer & printer interfaces
- Bi-pole standard PTs to facilitate testing of single phase PTs with various ratios up to 33kV
- Current & Potential Burden Boxes
- Automatic CT Demagnetizer

- **The major components of the test system are:**

- An Automatic Instrument Transformer Test Set
- An adjustable power source.
- An adjustable current source complete with a precision standard CT.
- A set of CT burdens box.
- An automatic CT demagnetizer.
- A source of adjustable voltage for PT testing.
- Bi-pole standard PTs
 - 11 kV/110V, Class 0.1 @ 5VA
 - 22 kV/110V, Class 0.1 @ 5VA
 - 33 kV/110V, Class 0.1 @ 5VA
- A set of PT burdens box.
- A set of leads for CT & PT connections.

AUTOMATIC INSTRUMENT TRANSFORMER TEST SET

The Instrument Transformer Comparator which is a fully automatic comparator capable of comparing both CTs and PTs. The input ranges of the instrument are upto 440 volts on the PT side and 0.05 to 10 amperes on the CT side (5 ampere input) or 0.01 to 2 amperes (1 ampere input). The comparator shall have a Ratio Error measuring range as per relevant IS/IEC for CTs and PTs. The instrument can be

controlled through its keyboard and the RS232/USB port/other communication port using compatible PC and Interface software. A USB printer port on equipment or on PC is available to drive a dedicated printer. The comparator is designed to compare CTs/PTs of nominally the same ratio. The Test Set measures the burden of the entire test-set up. It can be made to plot the accuracy error curves of CTs or PTs using windows software on the PC. The Test Set shall conform the accuracy classes of IS, IEC. In-built measurement feature to facilitate balancing of the Bridge for 1% of rating as per IS- S class specifications are available. After balancing the both inputs of CTs or PTs at selected burden, the set up should display ratio error, phase angle error, burden connected on secondary and class for measured values as per related standard. These all values should be stored & printed on report.

AUTOMATIC INSTRUMENT TRANSFORMER TEST SET MAIN FEATURES :

- Micro processor based Comparator, fully automatic capable of comparing both CTs and PTs.
- The input ranges of the instrument are 1.... 440 volts on the PT side and 0.05 to 10 amperes on the CT side (5 ampere input) and 0.01 to 2 amperes (1 ampere input).
- The comparator shall have a Ratio Error measuring range as per relevant IS/IEC for CTs and PTs.
- In built feature for balancing for 1% of rated currents which is needed for testing CTs as per the revised IS- S class CT specifications.
- It measures the total burden connected to the test sample including the connecting wire burden.
- Graph plotting facility. It can be made to plot the accuracy curves of CTs or PTs on equipment or on PC or on both.
- It should conform the accuracy classes of IS 16227, IEC 61869.
- Internal Data Storage facility – can store up to 200 readings in in-built memory at equipment or on PC or on both.
- Provides Error messages on LED/LCD display screen along with beeping alarm
- The instrument can be controlled through its keyboard and the RS232/USB port/other communication port using compatible PC.
- A USB port/RS232 port/other communication port are available to connect to the PC/ Laptop. The comparator is designed to compare CTs/PTs of nominally the same ratio.
- LED/LCD display with backlight
- Suitable for testing CTs of 5A and 1A using a single 5A Std. CT with 1A Tapping.

Major Technical particulars of Automatic Instrument Transformer test setup:-

Sr. No.	Particulars	Requirement
1.	Power Input	440 V \pm 10 %, 50 Hz, 40 VA
2.	Input Voltage	1.2 V to 480 V
3.	Operating Conditions	Max. Ambient Temperature upto 50 degree C Realtive Humidity 10 to 100 RH
4.	Input current	0.05 to 10 Amp on CT side (5A input), 0.01 to 2A (1A input)
5.	Input Burden (Consumption) Current Voltage	<0.5 VA @ 5A, <0.1 VA @ 1A 0.02VA @120 V
6.	Input Frequency For Current & Voltage	45 Hz to 65 Hz
7.	Highest Resolution : Ratio Error Phase Error	0.1ppm 0.1 μ rad
8.	Comparator Accuracy : CT - Ratio Error - Phase Error PT - Ratio Error - Phase Error	\pm 0.02% \pm 0.36 minute \pm 0.02% \pm 0.36 minute
9.	Measuring Time	<5 Seconds
10.	Display	min 8"x4" back lit-LCD/LED display panel
11.	Keyboard	20 key membrane keyboard
12.	Burden Measurement : Accuracy Voltage Burden Range	\pm 3% P.F. 0.8 \rightarrow 2.5, 3.75, 6.25, 7.5, 10, 12.5, 15, 18.75, 25, 30, 37.5, 50, 75
13.	Current Burden Range	P.F. 1 \rightarrow 1, 1.25, 1.875, 2.5, 3.75 VA P.F.0.8 \rightarrow 5, 7.5, 10, 15, 30, 88.75

Sr. No.	Particulars	Requirement
14.	Power Factor	0 – 1.000
15.	Computer Interface	RS-232/USB/other communication port
16.	Printer Output	Lesser and ink jet printer of any reputed company
17.	Data Storage facility	Min. 200 readings at equipment/on PC/on both
18.	Data Hold Facility	Facility to hold the reading by using Keyboard on equipment/on PC/on both
19.	Error Plotting	Facility to Plot ratio & Phase Errors which is to be displayed on the LCD/LED display panel using keyboard or on PC or on both
20.	PC Operation	Arrangement for controlling operation from PC using PC keyboard & Transfer of Data to PC monitor for storing.
21.	Printing	<ul style="list-style-type: none"> . Date . Serial Number . Class of accuracy . Burden (VA) . Test condition . Ratio error in % or ratio Correction factor (RCF) . Phase Error in centiradian (CR) Or Minutes (min) (Selectable).

The application of printing, data storage, data hold facility, error plotting facility shall be provided on equipment or on associate PC or on both.

6.2 Adjustable Power Source :

Power Input :

The Input to the system is **440 volts 3 Phase, 4 Wire, ±10%, 50 Hz, 16KVA max.**

The Power Output: 0 - 440 volts, 50A maximum per Phase.

The adjustable power source having following Operating Controls &

Indicators:

- Digital voltmeter and ammeter indicating source voltage and source current.

- Digital voltmeter and ammeter indicating input voltage and input current.
- Indicators for line and output.
- Output Control circuit breaker.
- Line circuit breaker.
- Function switch
- Fine and coarse controls for adjusting test voltage/current
- Standard CT ratio selection switches.
- Burden selection switches.
- CT demagnetizer indicator & initiate switch
- Emergency OFF.
- Overload protection on line and regulator.
- Zero start safety interlock.
- Safety interlock switch for connecting to safety barrier.

6.3 Adjustable current source complete with a precision standard CT:

Standard Current Transformers shall have suitable ratios in the range from 5A to 1000A mounted in the test system with proper ratio selection arrangement. These CTs shall have accuracy of minimum 0.05 %.

The CT is equipped with a tapped primary, tapped secondary winding, thus providing a multiplicity of ratios with Nominal primary current ranges 5, 10, 12.5, 15, 20, 25, 30, 40, 50, 60, 75, 100, 125, 150, 160, 175, 200, 250, 300, 400, 500, 600, 700, 750, 800, 1000A and secondary current 1A & 5A.

6.4 A set of Current Transformer burden box

The Current Transformer burden as per IS/ IEC shall be 1 Amp and 5 Amp, 50 Hz. They are rated for 3.75, 2.5, 1.875, 1.25 & 1VA at 1.0 power factor and for 5, 7.5, 10, 15, 30, to 88.75 VA at 0.8 power factor. Current transformer burdens are rated for continuous operation and are rated for 200% rating –short term.

6.5 Automatic CT Demagnetizer

An Automatic CT demagnetizer is provided within the test system. The demagnetizer is suitable for demagnetizing CTs of all ratios, having either 5A or 1A secondary windings.

6.6 Source of adjustable voltage for PT testing

An adjustable Single Phase output of 0 – 50kV, 2.5kVA is provided for energizing the test PT & Standard PT. The 50kV supply transformer & standard PT are kept outside the racks for safety considerations.

6.7 Bi-pole Standard PTs :

- 11 kV/110V, Class 0.1 @ 5VA
- 22 kV/110V, Class 0.1 @ 5VA
- 33 kV/110V, Class 0.1 @ 5VA

6.8 Potential Transformer Burdens

Potential transformer burden IS/ IEC, Input 110V and 63.5V, 50 Hz are rated for 2.5, 3.75, 6.25, 7.5, 10, 12.5, 15, 18.75, 25, 30, 37.5, 50, 75 at 0.8 Power Factor.

The Potential transformer Burdens are rated for continuous operation and are rated for 200% rating –short term.

6.9 A Set of leads for CT & PT connections

The equipment is intended to be wired to a 440 volt 3 Phase, 4 Wire source capable of supplying 50 amperes. It comes complete with a 5 meter, three-wire power cable for this purpose.

The equipment includes all the typical leads required to connect CTs or PTs and conduct tests. Such leads include the following:

1. PT secondary leads, 4 conductor arrangements for avoiding lead drop in the test set up (5 metres).
2. PT primary leads (2x 5meters).
3. CT secondary leads designed to load the test CT secondary circuit to 1 VA (5 meters).
4. 100 ampere primary leads (5 meter).
5. 300 ampere primary leads (5 meter).
6. 1,000 ampere primary leads (5 meter).
7. Bus bars for testing toroidal CTs.
8. Clamps for fastening “bat-type” CTs.
9. Safety switch.

7. CALIBRATION TEST CERTIFICATE:-

7.01 The tenderer shall furnish detailed calibration certificates of all major required instruments and equipments for CT/PT testing as per IS 17025 with the offer from laboratories which are accredited by the National Accreditation Board for Testing and Calibration Laboratories (NABL) of Government of India to prove that the instruments offered meet the requirements of this specification. The calibration certificates should have been carried out within one year prior to the date of opening of the tender. The offer without calibration certificates of all major required instruments shall not be considered for further evaluation. The calibration test certificates in manufacturers own laboratory and certified by testing institute other than NABL Accreditation shall not be acceptable. However, the tenderer who have supplied the offered system to MSEDCL against order from Material Management Cell of MSEDCL shall be exempted from submission of calibration test certificates against this tender provided that,

- i) The offered instruments are already having calibration test certificates of all required instruments and equipments for testing CT PT from Laboratories accredited by the National Accreditation Board for Testing and Calibration Laboratories (NABL) within one year prior to the date of opening of the tender.
- ii) There is no change in the design of required equipments/instruments and those offered against this tender.
- iii) Such tenderer complying with (i) & (ii) above, shall furnish an undertaking in the format schedule 'F' enclosed herewith.

7.02 The Purchaser reserves the right to demand repetition of some or all the calibration tests in presence of purchaser's representative at purchaser's cost. For this purpose, the tenderer shall quote unit rates for carrying out each test. However, such unit rates will not be considered for evaluation of the offer. In case the unit fails in testing, the complete supply shall be rejected & expenditure incurred shall be recovered from the tenderer from his deposit.

7.03 The successful tenderer shall take approval of calibration test certificate of all the instrument & whole as Automatic CTPT Test Set from the Chief Engineer, MSEDCL, T-QC Cell, Prakashgad, Bandra (E), Mumbai – 400051 prior to commencement of supply.

In other cases where Indian / International Standards for the equipment are not available / specified, following test condition shall be made applicable against the type test.

“The tenderer shall furnish detailed Calibration reports of the offered instrument carried out at Standard NABL approved Laboratories on all of the equipments as per relevant standards to prove that the instrument offered meets the requirements of this specification. Tenderer shall take approval / waiver of Calibration reports from the Chief Engineer, MSEDCL, T-QC Cell, Prakashgad, Bandra (E), Mumbai – 400051 prior to commencement of supply.”

Automatic CTPT Test Set up shall be tested for minimum IP 40 for degree of protection for dust & water.

8.0 GUARANTEED TECHNICAL PARTICULARS

The tenderer shall furnish the particulars giving specific required details of Automatic CTPT Test Set in schedule 'A' attached. The offers without the details in Schedule 'A' stand rejected.

9.0 INSTALLATION AND COMMISSIONING

The supplier shall be responsible to install and commission the CT & PT test equipment at MSEDCL Laboratory to be specified by the Purchaser. The supplier shall submit the layout plan, installation

proposal and electric supply requirements within 4 weeks from the date of receipt of the detailed purchase order to the Purchaser.

The Purchaser will arrange the appropriate room, location, electric supply etc. before the supply of the system so as to permit the smooth and proper installation of the system immediately upon its delivery to the designated location/s.

10.0 DEMONSTRATION

Demonstration of the Automatic CTPT Test Set up and PC software shall be given by the manufacturer as and when required by purchaser.

11.0 CALIBRATION

- A) The CT/PT System will be supplied with calibration test certificate from any NABL accredited Laboratory – valid for 12 months. Thereafter, after every 12 month period, the system will be calibrated at MSEDCL Laboratory and calibration certificate will be issued (once every 12 months – for 4 years). Confirmation about Calibration for 5 years shall be submitted by firm along with detail time table for calibration in writing at free of cost.
- B) After Sales support during Guarantee and after guarantee period to be provided.
- C) Bidders to indicate details of the various regional service centers in India along with their offers.

12.0 SPARES

The bidder should supply the essential spares for maintenance purpose. List of recommended spares for two years normal use with prices to be provided along with the offer by the bidder. List of spare parts and consumable items and related softwares.

13.0 TRAINING

The supplier shall provide training of the CT PT Testing System to at least five personnel from the Department on all aspects of operation and maintenance for upto three working days at the time of initial commissioning at various regional MRT Divisional Laboratories located in various regions of Maharashtra State or as and whenever required. All expenses for providing such training support shall be borne by the vendor. The successful bidder shall depute their representative for commissioning & training to Engineers of purchaser as and when they will be called for at no extra cost.

14.0 GUARANTEE

The Test Bench shall be guaranteed for trouble free operation for a period of 5 years from the date of commissioning or five one and half years from the date of dispatch whichever is earlier. The equipment found defective within above guarantee period shall be replaced / repaired / rectified by the supplier free of cost, within one month of receipt of intimation. After the replacement /

repairs / rectification, the accuracy shall not be affected. Test report and calibration certificate shall invariably be submitted after rectification / repairs.

If defective equipment is not replaced / repaired / rectified within the specified period as above, the Company shall recover an equivalent amount plus 15% supervision charges from any of the bills of the supplier.

15.0 AFTER SALES AND SERVICE

The bidder has to indicate clearly the after sales service to be provided by the supplier during guarantee period and after guarantee period (continued technical support) and Addresses of Sales Service Centre, details of Engineers, etc. shall be submitted along with the offer.

16.0 PRE-DESPATCH INSPECTIONS

The successful bidder shall offer Automatic CTPT testing set up at their works for inspection before dispatch, in accordance with this technical specification and the GTP, as well as the general terms and conditions of the relevant tender specifications, shall be done at manufacturer's Works. For imported equipments, the supplier / tenderer shall offer the equipments at the authorized service center / works of the original manufacturer in India or at the supplier's works / testing center. The offered lot shall be tested for acceptance tests and any other test as per relevant IS / IEC as required by inspecting officers. During inspection, if the instrument does not meet the required specification & test results found not satisfactory then it shall be liable for rejection. Calibration Certificates of all associated equipments shall be furnished at the time of factory inspection.

The manufacturer shall offer to the inspector representing the purchaser all the reasonable facilities, free of charge, for inspection and testing, to satisfy him that the material is being supplied in accordance with this specification. The MSEDCL's representative / Engineer attending the above testing shall carry out testing as per relevant IS / IEC & as per this technical specification and issue test certificate approval to the manufacturer and give clearance for dispatch.

The Automatic CTPT testing set up shall be inspected jointly by the Executive Engineer, Testing Division & the Executive Engineer, Inspection Wing.

17.0 QUALITY CONTROL

The purchaser may send a team of experienced engineers for assessing the capability of the bidder or their principals for manufacturing of Automatic CTPT testing set up as per this

specification. The team shall be given all assistance and co-operation for inspection and testing at the bidder's works.

Three tender samples shall be kept ready for assessing and testing. The tenderer has to give all facilities for carrying out the testing of these samples.

18.0 MINIMUM TESTING FACILITIES

The bidder or their principals / manufacturer shall have the necessary minimum testing facilities for carrying out various acceptance and routine tests. A list of machinery / equipment and testing facility available at their Works shall also be furnished along with the offer.

19.0 PACKING

The Automatic CTPT testing set up shall be suitably packed to avoid damage or disturbance during transit or handling. Each instrument may be suitably packed in the first instance to prevent ingress of moisture and dust and then placed in a cushioned carton of a suitable material to prevent damage due to shocks during transit. The lid of the cartoon may be suitably sealed. A suitable number of sealed cartons may be packed in a case of adequate strength with extra cushioning if considered necessary. The cases may then be properly sealed against accidental opening in transit. The packing cases may be marked to indicate the fragile nature of the contents.

The following information shall be furnished with the consignment:

- Name of consignee.
- Details of consignment.
- Destination
- Total Weight of consignment.
- Sign showing upper / lower side of the crate
- Sign showing fragility of the material.
- Handling and unpacking instructions.
- Bill of Materials indicating contents of each package and spare materials.

20.0 SCHEDULES

The tenderer shall fill in the following schedules which are part and parcel 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. The order copies of the order executed mentioned in the list of order shall be invariably enclosed along with the offer. Only those orders mentioned in the list shall be considered whose order copies shall be enclosed with the offer.

Schedule A – Guaranteed Technical Particulars.

Schedule F – Proforma undertaking.

21.0 DOCUMENTATION

Two set of following documents in print form (hard copy) shall be supplied along with each test system.

- Operating manual
- Service manual
- Calibration certificate as per relevant reference standard of whole as Instrument Transformer Test Bench.
- Calibration certificate as per relevant reference standard of all instruments.
- Operating manual of each component of test equipment
- Calibration certificate / test certificate of complete test system / Test certificates of individual components of the system issued by the manufacturer

In addition, the successful bidder shall supply one CD set containing the soft-copies of the Operation Manuals and Test Reports, all the documents mentioned above.

SCHEDULE – F**PROFORMA OF UNDERTAKING**

We hereby confirm that **Automatic CT/PT Test Set Up having Digital Control Panel with complete system** offered by us against this tender are of the same design and type as have been supplied to MSEDCL against earlier order No. _____ Dtd. _____ and all the type test reports thereof were approved by Chief Engineer, T-QC Cell vide letter No. _____ dtd. _____ (copy enclosed).

We further confirm that the said type tests have been carried out at the laboratories accredited by NABL within five years prior to the date of opening of present tender.

NAME OF FIRM_____

NAME & SIGNATUR TENDERER_____

DESIGNATION_____

DATE_____

ANNEXURE U-I**“INDEMNITY BOND”**

UNDERTAKING TO BE SUBMITTED BY THE PARENT COMPANY SITUATED ABROAD IN CASE OF THE PARTICIPANT BIDDER WHO IS AN INDIAN BASED SUBSIDIARY ON GENERAL STAMP OF `200.00.

The Chief Engineer,
Maharashtra State Electricity Distribution Co. Ltd.,
Material Management Cell,
1st Floor, Prakashgad, Bandra (E),
Mumbai – 400 056.

Dear Sir:

Sub: Undertaking against Tender No. _____ For procurement of

We, M/s. _____ having registered office at _____ are the Parent Company of M/s. _____ who have participated against your tender no. _____ for procurement of _____.

We have carefully read and have thoroughly understood and agree to the terms and conditions of the subject tender.

We hereby undertake that in case of placement of order against the subject tender on our subsidiary company, M/s. _____, in the event of we accept all the responsibilities and liabilities for supply of quality equipments as per specification of the tender and execution of the contract. We further hereby undertake that we shall be responsible for any liability arising out of the contract placed on M/s. _____ and to pay MSEDCL on demand the sum of rupees as per agreement in the event of any breach of condition of the purchase order, loss and damage of the material till expiry of guarantee period as stipulated in the order.

Our liability here under shall not be impaired or discharged by extension of time or variation or alteration made with or without our knowledge or consent by or between the parties to the said contract. This undertaking shall be valid and binding on us upto and including the execution and guarantee period of the order and shall not be terminable by notice or change in the constitution of any of the companies. In case of any dispute arising out of or in connection with this tender or contract, if concluded, the same shall be subject to the exclusive jurisdiction of the **“Court in Mumbai (India).”**

Yours faithfully,
(Authorised Signatory)
For _____

SCHEDULE A**GAURANTEED TECHNICAL PARTICULARS FOR AUTOMATIC
CT/PT TEST SET UP HAVING DIGITAL CONTROL PANEL WITH
COMPLETE SYSTEM**

SR.NO	GTP PARAMETERS	To be filled by bidder
1	Manufacturer's / supplier's name and address with works Address	Text
2	Make and Type of CT, PT test bench	Text
3	Applicable standards	Text
4	Operating Conditions <ul style="list-style-type: none"> Maximum ambient temperature (Degree C) ... 50 Minimum ambient temperature (Degree C) ... 3.5 Relative Humidity (%) ... 10 to 100 Maximum altitude above mean sea level (meter) ... 1000 	Text
5	General Technical Parameters of test set up	
	Input frequency range	Text
	Range of input voltage	Text
	Range of input current	Text
	Input burden (for current and voltage)	Text
	CTs testing range	Text
	PTs testing range	Text
	Measuring Time	Text
	Accuracy for CT (ratio error & phase error)	Text
	Accuracy for PT (ratio error & phase error)	Text
	Power Factor	Text
	Internal data storage facility up to 200 readings in built memory & hold facility at equipment or on PC or on both	Text
	Graph plotting facility on equipment or on PC or on both	Text
	LED/LCD display screen with backlit along with beeping alarm	Text
	RS 232/USB/ other communication port for printing using laptop/compatible pc/equipment with interface software's	Text
	Key board 20 key membrane for control	Text
	Display and indicators	Text
	In built bridge for balancing for 1% of rated currents as per IS – S class CTs	Text
6	Major components of test set up	
	A) Adjustable power source B) Adjustable current source with precision CT (0.05 class) internal multi ratio standard CT	Text

	C) Adjustable voltage source for single phase PT up to 33 KV. D) Automatic instrument transformer test setup with computer and interface E) Microprocessor based comparator fully automatic. F) A set of CT burdens box G) Automatic CT demagnetizer H) A set of PT burden box I) Bi-pole Standard PTs J) A set of leads for CT, PT connections	
7	Power source technical details	Text
8	Details operating controls and indicators	Text
9	CT burden for 5amps & 1amps suitable as per IS,IEC	Text
10	Ratios available for Standard CTs current outputs	Text
11	Outputs of PT output source	Text
12	Technical detail of Bi-pole Standard PTs	Text
13	Burdens of potential transformer	Text
14	Rating of power leads and connecting cables	Text
15	Calibration test certificates submitted shall be as per relevant IS/IEC standards (y/n)	Text
16	The supplier shall provide training of the CT & PT testing system to at least five persons (y/n)	Text
17	Guarantee	Text
18	Packaging as per technical specification	Text

Automatic CT/PT Test Setup

GTP Order Sequence	GTP Parameters	Date Type
1	Manufacturer's / supplier's name and address with works Address	TEXT
2	Make and Type of CT, PT test bench	TEXT
3	Applicable standards	TEXT
4	Operating Conditions • Maximum ambient temperature (Degree C) ... 50	TEXT
5	• Minimum ambient temperature (Degree C) ... 3.5	TEXT
6	• Relative Humidity (%) ... 10 to 100	TEXT
7	• Maximum altitude above mean sea level (meter) ... 1000	TEXT
8	General Technical Parameters of test set up: Input frequency range	TEXT
9	Range of input voltage	TEXT
10	Range of input current	TEXT
11	Input burden (for current and voltage)	TEXT
12	CTs testing range	TEXT
13	PTs testing range	TEXT
14	Measuring Time	TEXT
15	Accuracy for CT (ratio error & phase error)	TEXT
17	Power Factor	TEXT
18	Internal data storage facility up to 200 readings in built memory & hold facility at equipment or on PC or on both	TEXT
19	Graph plotting facility on equipment or on PC or on both	TEXT
20	LED/LCD display screen with backlit along with beeping alarm	TEXT
21	RS 232/USB/ other communication port for printing using laptop/compatible pc/equipment with interface softwares	TEXT
22	Key board 20 key membrane for control	TEXT
23	Display and indicators	TEXT
24	In built bridge for balancing for 1% of rated currents as per IS – S class CTs	TEXT
25	Major components of test set up (A) Adjustable power source	TEXT
26	B) Adjustable current source with precision CT (0.05 class) internal multi ratio standard CT	TEXT
27	C) Adjustable voltage source for single phase PT up to 33 KV.	TEXT
28	D) Automatic instrument transformer test setup with computer and interface	TEXT
29	F) A set of CT burdens box	TEXT
29	E) Microprocessor based comparator fully automatic.	TEXT
31	G) Automatic CT demagnetizer	TEXT

32	H) A set of PT burden box	TEXT
33	I) Bi-pole Standard PTs	TEXT
34	J) A set of leads for CT, PT connections	TEXT
35	Power source technical details	TEXT
36	Details operating controls and indicators	TEXT
37	CT burden for 5amps & 1amps suitable as per IS,IEC	TEXT
38	Ratios available for Standard CTs current outputs	TEXT
39	Outputs of PT output source	TEXT
40	Technical detail of Bi-pole Standard PTs	TEXT
41	Burdens of potential transformer	TEXT
42	Rating of power leads and connecting cables	TEXT
43	Calibration test certificates submitted shall be as per relevant IS/IEC standards (y/n)	TEXT
44	The supplier shall provide training of the CT & PT testing system to at least five persons (y/n)	TEXT
45	Guarantee	TEXT
46	Packaging as per technical specification	TEXT
47	BlankAccuracy for PT (ratio error & phase error)	TEXT

Required Documents (To be uploaded online)

Sr. No.	NAME	SECTION	ITEM	DESCRIPTION
1	Type Test/Calibration Certificate	Technical Section	Automatic CT/PT Test Setup	Please submit Type Test/Calibration Certificate as per Cl. No.8 and 15 of QR of Section-I and Technical Specification.
2	Annexure-E	Technical Section	Automatic CT/PT Test	Please submit consent in Format Annexure-E for supplying material as per technical Specification
3	Testing Facilities	Technical Section	Automatic CT/PT Test Setup	Please submit document showing list of machinery and equipment and testing facility at your works.
4	Original Manufacturer	Commercial Section		Please upload document towards original Manufacturer.
5	Authorised Dealer	Commercial Section		Please submit authorization letter from original manufacturer as per Cl.-1 of QR of Section-I.
6	Performance Report	Commercial Section		Please submit satisfactory performance report as per Cl. No.-5 of QR of Section-I.
7	Experience of Prime Contractor	Commercial Section		Please submit document/Purchase order copies as per Cl. No.6 of QR of Section-I for successfully executed orders as prime contractor at least 3 contracts within 5 years.
8	Turnover Certificate	Commercial Section		Please submit turnover certificate of the company for last 3 financial year duly certified by CA
9	List of orders executed/under execution.	Commercial Section		Please submit list of orders executed/under execution certified by CA.Certificate from the purchaser with regards to successful execution of the orders for preceding 5 financial years.
10	Non-blacklisting Certificate	Commercial Section		Please submit declaration that bidder or their principals have not blacklisted as per Cl.No.11 of QR of Section-I.
11	Fully Equipped Technical Support Office	Commercial Section		Please submit documentary evidence as per Cl. No.12 of QR of Section-I that bidder have Fully equipped technical support office/Laboratory.
12	Service Centers and Trained Officers	Commercial Section		Please submit documentary evidence towards bidder have their own service centers and Trained Engineers as per Cl. No.-13 of QR of section I
13	Annexure-U-I	Commercial Section		Please submit Annexure U-I as per Cl. No.14 of QR of Section-I if company is Indian Subsidiary Company.
14	Schedule "C"	Commercial Section		Please submit the quantity offered in prescribed format as per Schedule'C'
15	SSI/NSIC Certificate	Commercial Section		Please submit SSI/NSIC Certificate for manufacturing Capacity.

Sr. No.	NAME	SECTION	ITEM	DESCRIPTION
16	Controlling Stake	Commercial Section		Please submit certificate from CA for not having controlling stake in more than one entity.
17	Format'A'	Commercial Section		Please submit Format 'A' as per Cl. No.VIII of Section-I
18	Delivery as per Cl.VII of Section-I.	Commercial Section		Please submit delivery schedule as per Cl.VII of Section-I.
19	Annexure-I	Commercial Section		Please submit declaration as per Annexure-I of tender document.
20	Experience	Commercial Section		Please submit the documentary evidence/Purchase order copies as per Cl. No.-4 of QR of Section-I showing minimum 5 years experience.
21	Undue Influence	Commercial Section		Please submit the undertaking certifying that you have not approached any one for undue
22	Operating Experience	Commercial Section		Please submit operating experience as per Cl. No.-2 of QR of Section-I.
23	Job Completion Certificate	Commercial Section		Please submit minimum 5 Job Completion Certificate as per Cl.3 of QR of Section-I.
24	ISO Certificate	Commercial Section		Please submit ISO 9001 and ISO 14001 certificate.