

**M.P. POORV KSHETRA VIDYUT VITARAN CO. LTD.
JABALPUR**



**TENDER SPECIFICATION NO. DISCOM/EZ/PUR/1729
(e-Tender No. 2026_PKVVC_507161_1)**

DUE FOR OPENING ON: 29.05.2026

For supply of

11KV & 33KV CURRENT TRANSFORMERS (CTS)

THE CHIEF GENERAL MANAGER (STORE & PURCHASE)

M. P. Poorv Kshetra Vidyut Vitaran Co. Ltd,

Block No.8th, 3RD Floor Shakti Bhawan,
Jabalpur (MP) 482008

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TENDER SPECIFICATION No. DISCOM/EZ/PUR/1729/E-TS-2026_PKVVC_507161_1	
FOR SUPPLY OF 11KV & 33KV CURRENT TRANSFORMERS (CTS)	
<i>DUE FOR OPENING ON 29.05.2026</i>	
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OFFICE OF THE CHIEF GENERAL MANAGER (STORE & PURCHASE)
M.P. POORV KSHETRA VIDYUT VITARAN Co. Ltd.
REGD. OFFICE – BLOCK No. 8TH, 3RD FLOOR, SHAKTI BHAWAN,
RAMPUR, JABALPUR - 482 008 (M.P.)
CIN: U40109MP2002SGC015120
(Telephone no. 0761- 2997711, 2667808, Extn. 270-2473, 270-2425 & 270-2541)
e-mail:- cepurez@yahoo.in

No. CGM/S&P/EZ/GM-I/II/359

Jabalpur, dtd:- 13.05.2026

NOTICE INVITING TENDER

Online tenders are invited for supply of following item from manufacturers only as per tender specifications. The Bids will be received online on the portal <https://mptenders.gov.in> up to date & time as per key dates. The tender will be opened in the office of undersigned as mentioned in tender time schedule (key dates) in presence of bidders duly authorized representative who may like to be present at the time of opening of tender: -

Sl. No	TS No. (For e-Tendering) Discom-EZ/Pur	NAME OF ITEMS	APPROX. VALUE (Rs. in Lakhs)	TENDER FEE (in Rs)	Due date & time of opening of tender online (*)
1.	1729 (E-Tender No. 2026 PKVVC 507161 1)	11KV & 33KV Current Transformers (CTs)	860.40	11,800.00	29.05.2026

* For updated / extended due dates for opening of tender (EMD in Cover-1 & Techno-commercial bid in Cover-2) please refer to the online key dates.

NOTE: -

- (1) Other details can be seen in the complete tender documents available on e-portal <https://mptenders.gov.in>.
- (2) Tender Documents can be downloaded from main portal <https://mptenders.gov.in> free of cost. However, for participation in the tender, the bidder shall have to pay non-refundable tender fee. In case, the tender is dropped without opening, the tender fees shall be refunded after deduction of necessary portal charges.
- (3) The Micro & Small Enterprises (MSEs) of Madhya Pradesh registered with District Industries Centre (DIC)/Khadi & Village Industries Commission (KVIC)/ Khadi & Village Industries Board (KVIB)/Coir Board/NSIC/Directorate of Handicraft and Handlooms / Udyog Aadhar Memorandum (UAM)/UDYAM or any other body specified by Ministry of Micro, Small & Medium Enterprises on the date of opening of tender for the tendered item(s) shall be exempted from payment of tender fee. In support of above the bidders shall be required to upload the requisite documents on the portal of MP Tender, failing which their techno commercial bid shall not be considered for opening
- (4) The bid data should be filled in and the bid seals of all the envelopes and the documents which are to be uploaded by the bidders should be submitted online upto as per time schedule (Key Dates).
- (5) The relevant portion of tender which tenderers have to fill online would be available on above website on date mentioned against each tender. The company reserves the right to reject any or all the tenders or accept any tender in full or part as considered advantageous to the company, whether it is lowest or not, without assigning any reason whatsoever it may be.
- (6) Since the online bidders are required to sign their bids online using class III – Digital Certificates only, hence they are advised to obtain the same at the earliest. For further information, bidders are requested to contact Madhya Pradesh State Electronic Development Corporation Ltd, State IT Centre, 2nd Floor, 47-A, Arera Hills, Bhopal-462011, Telephone No. 0120-4001002/4200462/4001005, E-mail: awantikavarma@mpsdc.com and ashishgoutam1790@gmail.com, support-proc@nic.in .
- (7) Bidders intending to participate in the Tender are required to get themselves trained on the e-Procurement System.

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No. CGM/S&P/EZ/GM-I/II/359

Jabalpur, dtd:- 13.05.2026

- (8) The required amount of EMD shall be accepted through online payment only. The Bidders are required to invariably upload the valid documentary evidence of submission of online EMD (or EMD Exemption Certificate if applicable) in Cover-1 without which online offer i.e., Cover- 2 & 3 shall not be opened.
- (9) No offer will be accepted without valid Earnest Money Deposit, unless exempted by the Company. If on opening of tender, it is revealed that EMD amount is inadequate / any other discrepancy is noticed, the tender shall be rejected and returned to the tenderer.
- (10) The corrigendum or addendum to the bidding documents, if any, as well as any change in due date(s) of opening of tender will be published on the website <https://mptenders.gov.in> & also Company's website <http://www.mpez.co.in> but will not be published in newspaper. Hence participant bidders are *advised to regularly visit the websites* until the bid opening. The Company shall not be responsible in any way for any ignorance of the bidders about the corrigendum or addendum or change in the due date(s).
- (11) Last date for online submission of bid documents {Cover-1 (EMD) & Cover-2 (Techno Commercial Bid)} shall be as per key dates. The same shall be opened as per key dates. The date of opening of EMD & Technical shall be the date of opening of tender for all the purpose.
- (12) The Tender document will be available on portal <https://mptenders.gov.in>. The interested bidders are advised to regularly visit the portal for the purpose.
- (13) Only online bids will be considered as valid.

Chief General Manager (S&P)
M.P.P.K.V.V.Co.Ltd., Jabalpur

SAVE ELECTRICITY

KEY DATES & BASIC TENDER INFORMATION

Particulars	Details
Name of Work	For Supply of 11KV & 33KV Current Transformers (CTs)
Tender Specification Number	DISCOM/EZ/PUR/1729 (e-Tender No. 2026_PKVVC_507161_1)

Key Dates:-

Sr. No.	Tender Stage	Particulars	Date & Time
1.	Publishing of tender date	Tender Purchase-online	13.05.2026 18:00 Hrs.
2.	Document download start date		13.05.2026 15:05 Hrs.
3.	Seek clarification Start Date		-
4.	Seek clarification End Date		-
5.	Pre-Bid Meeting		-
6.	Bid Submission Start Date		19.05.2026 14:00 Hrs.
7.	Bid Submission End Date		27.05.2026 15:00 Hrs.
8.	Bid Opening Date		29.05.2026 15:30 Hrs.
9.	Financial Bid(Cover-C) Open Date	Cover-C (Price Bid)	Will be informed later

BASIC TENDER INFORMATION:-

- (1) Bidders shall submit tender only online in following three parts. No physical submission of document/bid is required.
 - i. Part-I (Cover- 1) – The bidders shall require to deposit EMD online as specified in clause -5 Annex-I of the tender specification and to upload a scan copy of the same in Cover (1). In case of exemption from payment of EMD as allowed in Clause-5 (b) Annex-I of the tender, bidders shall upload a scan copy of the duly notarized documents as required in above clause.
 - ii. Part-2 (Cover –2) the bidders shall require to upload following documents digitally signed in Cover-2 which shall form Commercial and Technical bid.
 - a. Schedule-II- Duly notarized undertaking.
 - b. Schedule-III – CA Certificate against Financial requirement of the tender
 - c. Schedule –IV – Guaranteed Technical Particulars
 - d. Legible copy of Type Test Reports for the tendered item(s).
 - e. Power of Attorney / resolution of the Company authorizing a person to sign the document, in case of Company registered under Company Act.

In case of erroneous/non submission/missing of any document required as per the provision of the bid document the purchaser will have full right to reject the bid or evaluate the bid with the document submitted, as the case may be. The purchaser may however ask the bidder for a clarification of its bid.
 - iii. Part-3 (Cover -3) The bidders shall quote their rates online only in schedule-I and shall be kept in Cover - (3).
- (2) The date of opening of financial/ price bid shall be informed separately. The bidders may please keep them updated of price bid opening from the e-portal.
- (3) In case of any of above date (s) is declared as holiday/local holiday, then the date (s) will be shifted to next working day.

Chief General Manager (S&P)
M.P.P.K.V.V.Co.Ltd., Jabalpur

GUIDELINES TO BIDDERS FOR IMPLEMENTATION OF E-PROCUREMENT SYSTEM

Contractors / Vendors / Bidders / Suppliers are requested to visit e-procurement portal of Govt. of Madhya Pradesh (<https://www.mptenders.gov.in>). The details and relevant links are available in the Bidders Manual Kit on the right pane of website which is furnished here :-

Bidders Manual Kit - Open Source Software Link

S.No	Particulars	Downloads	
1	Notice to Bidders	notice_to_bidders_v906.pdf	
2	Registration of Bidders	Bidder_Registration_Manual_Updated_v906.pdf	
3	Uploading of My Documents	MyDocument_Updated_v906.pdf	
4	Online e-Bid Submission	Three_Cover_Bid_Submission_New_v906.pdf	
		Two_cover_bid_submission_new_v906.pdf	
		Four_cover_bid_submission_new_v906.pdf	
		Single_Cover_bid_submission_New_v906.pdf	
5	Online Bid Withdrawal	bid_withdrawal_updated_v906.pdf	
6	Online Bid Re-submission	Bid_Resubmission_Updated_v906.pdf	
7	Clarifications (Tender Status, My Archive...)	Enquiry_Updated_v906.pdf	
8	Trouble Shooting	troubleshoot_document_v906.pdf	
9	BoQ Preparation Guidelines	ItemWise_BOQ_New_v906.pdf	
		Percentage_BOQ_Updated_v906.pdf	
		ItemRate_BOQ_Updated_v906.pdf	

Chief General Manager (S&P)
M.P.P.K.V.V.Co.Ltd., Jabalpur

PART-1

ANNEXURE-I GENERAL INSTRUCTIONS TO THE BIDDERS

1. The Chief General Manager (S&P) on behalf of the Madhya Pradesh Poorv Kshetra Vidyut Vitran Co. Ltd. hereinafter referred to as “MPPKVVCL” invites tender for supply of material/equipment as per specifications attached for supply to Area Stores Jabalpur, Chhindwara, Sagar, Chhatarpur, Satna and Shahdol in Madhya Pradesh.
2. The bidders are requested to go through the General instructions to the bidders Annexure-I and General terms & conditions of purchase contained in Annexure-III and Special Terms & Conditions Annexure-IV except as modified/laid-down hereunder. It may be noted that no conditions or stipulations to the contrary or which are inconsistent will be accepted. Bidders are requested to ensure that all such schedules along with questionnaire (duly filled-in), are submitted online. ***The bidders should note that in absence of any of the schedules, as required in the tender, their offer shall be liable for rejection.***
3. Here are some of very important instructions which every bidder should read carefully for compliance before submitting the bid.

4. VALIDITY OF BIDS

Offers should be kept open for acceptance for at least 180 days from the date of opening. Those who do not agree for a validity of 180 days will do so at their own risk and no request for extending the validity is likely to be made from this office. However, if due to any circumstances, beyond control, bidders are advised to extend the validity, they shall not be permitted to revise their rates, offer any rebate or concession while extending the validity which may materially result in any reduction or increase in the computed prices of their original offer.

5. EARNEST MONEY

The bidder shall deposit the Earnest Money vis-à-vis the value of the tender offered as per the table given below:-

Value of Item	Earnest Money
Upto INR 50,000.	Nil
Above INR 50,000.	@1%, subject to minimum INR 1,000 and maximum INR 1 lac.

- i. **No offer will be accepted without Earnest Money Deposit, unless exempted by the Purchaser.** If on opening of tender any discrepancy in EMD amount is noticed, the offer shall be rejected.
- ii. The required amount of EMD shall be accepted through online payment only. The Bidders are required to invariably upload the valid documentary evidence of submission of online EMD (or EMD Exemption Certificate if applicable) in Cover-1 without which online offer i.e., Covers- 2 & 3 shall not be opened.
- iii. **The following are exempted from payment of EMD:**
The Micro & Small Enterprises (MSEs) of Madhya Pradesh registered with District Industries Centre (DIC)/Khadi & Village Industries Commission (KVIC)/ Khadi & Village Industries Board (KVIB)/Coir Board/NSIC/Directorate of Handicraft and Handlooms / Udyog Aadhar Memorandum(UAM)/UDYAM or any other body specified by Ministry of Micro, Small & Medium Enterprises on the date of opening of tender for the tendered item(s). The SSI units of MP registered with DIC shall be exempted from payment of EMD on production of valid competency certificate. In support of above the bidders shall be required to upload the requisite documents on the portal of MP Tender, failing which their techno commercial bid shall not be considered for opening.
- iv. **Forfeiture of Earnest Money Deposit:**
The EMD may be forfeited:-
 - a) If a bidder withdraws or revokes its bid during the period of bid validity specified by the bidder;
 - b) If a bidder modifies its bid in any manner after its opening but before the validity of the bid expires;
 - c) If a bidder does not accept the arithmetical corrections of its bid price;
 - d) In the case of successful bidder, if the bidder fails to furnish the performance security within the prescribed time.

- e) In case, the bidder withdraws his offer during the validity period, after placement of order, the EMD shall be forfeited.
- v. **Return of earnest money to bidders.**
 - a) EMD shall be returned to the unsuccessful bidders, as soon as possible, after the tender is decided.
 - b) EMD of bidders on whom the orders have been placed, shall be returned on acceptance of security deposit.

6. SUBMISSION OF BID

- A. Bidders shall submit tender only online in following three parts. No physical submission of document/bid is required.
 - i. Part-I (Cover- 1) – The bidders shall require to deposit EMD online as specified in clause -5 Annex-I of the tender specification and to upload a scan copy of the same in Cover (1). In case of exemption from payment of EMD as allowed in Clause-5 (b) Annex-I of the tender, bidders shall upload a scan copy of the duly notarized documents as required in above clause.
 - ii. Part-2 (Cover –2) the bidders shall require to upload following documents digitally signed in Cover -(2) which shall form Commercial and Technical bid.
 - a. Schedule-II- Duly notarized undertaking.
 - b. Schedule-III – CA Certificate against Financial requirement of the tender
 - c. Schedule –IV – Guaranteed Technical Particulars
 - d. Legible copy of Type Test Reports for the tendered item(s).
 - e. Power of Attorney / resolution of the Company authorizing a person to sign the document, in case of Company registered under Company Act.

In case of erroneous/non submission/missing of any document required as per the provision of the bid document the purchaser will have full right to reject the bid or evaluate the bid with the document submitted, as the case may be. The purchaser may however ask the bidder for a clarification of its bid.

- iii. Part-3 (Cover -3) The bidders shall quote their rates online only in schedule-I and shall be kept in Cover - (3) .

- B. The bidders are expected to be fully conversant with all the clauses of the bid document before submitting the bid. However, prospective bidder (s) regarding any clarification on bidding document may notify the purchaser in writing. Post award of contract any interpretation to any clause of the bid document shall not be entertained.

7. DATE AND TIME OF OPENING OF BIDS - CHANGES

Tender shall be opened on the due date and time as notified in the presence of the bidders or their authorized representatives who may be present. If the due date of opening/ submission of tender documents are declared a holiday by the Central/ State Government or Local Administration, it will automatically get shifted to the next working day, for which no prior intimation shall be given. The tender opening shall be continued on subsequent days, in case the opening of all the tenders is not completed on the day of opening.

It may please be noted that the due date/ time of opening can be altered, extended, if felt necessary by the purchaser, without assigning any reason thereof. However, due intimation shall be communicated in such a case.

8. OPENING OF E.M.D. & COMMERCIAL AND TECHNICAL BID

The first envelope of Earnest Money Deposit shall be opened on the due date and time, as notified in the Notice Inviting Tenders. The requirement for EMD shall be verified and thereafter, the second part, i.e. the Commercial & Technical Bid, shall be opened on the same date in respect of eligible bidders.

9. REQUIREMENT FOR OPENING OF PRICE BIDS:

The price bids of such offers shall be opened who have:-

- (i) Accepted all Commercial terms & Conditions and Technical Specifications.
- (ii) Qualified the basic qualification of the bidder, conflicting interest clause, financial, supply capacity, unsatisfactory performance clause & minimum quantity to be quoted criteria.

10. UNSATISFACTORY PERFORMANCE

Even on fulfillment of all the criteria it may please be noted that:-

- i. Offers of those bidders whose work have been terminated or who have been debarred for future business with our company/ MPSEB/ other Discoms of MP, may be summarily rejected.
- ii. In case of those bidders whose past performance has not been found to be satisfactory against previous tenders of MPSEB/Companies formed on restructuring of MPSEB, they shall not be considered for opening of price bid. Some of the attributes to the poor performance of a bidder are as follows:-
 - **Non-execution of previous order(s) .**
 - **Failures of material in testing & non-replacement of the same by the supplier.**
 - **Failures and supply of inferior/substandard quality of materials en-mass as reported by the field officers.**

11. POOL RATES

The bidders are advised to quote their own individual rates. It may please be noted that if more than one bidder quotes the same rate, suggestive of a cartel, then such offers may not be considered by the Purchaser. It may also please be noted that the competitive rate quoted by each bidder may be one of the main criteria for quantity to be ordered on each successful bidder.

12. AMENDMENT IN SPECIFICATIONS

The Purchaser may revise or amend the specification and drawing, prior to the date notified for opening of Technical Bid of tender. Such revision/ amendment, if any, will be communicated to all those who have bought the tender documents as Amendment/ Addendum to the invitation of tender.

13. MISTAKES IN BIDS

In case of arithmetical error in the financial bid the same shall be corrected while computing the prices and the unit FOR destination price including GST shall be arrived accordingly and the same shall be binding on the bidder.

14. LUMPSUM BASED BIDS

In case prices for some items or all items are given as a sump sum, instead of unit prices as required in the tender specifications, Purchaser can summarily rejected such incomplete tender.

15. ALTERATIONS/CORRECTIONS IN BIDS

Any alteration/correction in the tender document should be counter-signed. Further, no post tender alteration/correction shall be entertained.

16. INCOMPLETE BIDS

Tender which is incomplete or obscure is liable for rejection.

17. AMBIGUITIES IN CONDITIONS OF BIDS:-

In case of ambiguous or self-contradictory terms/conditions mentioned in the bid, interpretation as may be advantageous to the Purchaser shall be taken without any reference to the tender.

18. DISQUALIFICATION OF BIDS:

Bidders will not be permitted to change the substance of his tender on post interpretation/improper understanding grounds. This includes post tender price changes/ modifications etc. after opening of Price Bid. In such events, otherwise, that is, when a bidder does not comply, tender will be rejected.

19. LANGUAGE OF BIDS

All tenders should be made either in English or in Hindi only.

20. CANVASSING OF BIDS

Tenders shall be deemed to be under consideration, after opening of tender/ bid, till placement of order. During this period, the bidders or their authorized representatives or other interested parties are advised strongly, in their own interest, to refrain from contacting by any means any of the Purchaser's personnel or Representative, on matters relating to tender under process.

21. ACCEPTANCE OF PART/WHOLE BIDS-RIGHTS THEREOF

Purchaser reserves the right to accept/ reject wholly or partly any tender without assigning any reason whatsoever. The Purchaser in this regard shall not entertain any correspondence.

22. DEVIATIONS FROM TERMS & CONDITIONS

Offers with deviations in the terms of payment, liquidated damages, security deposit and performance guarantee are liable to be rejected out rightly.

23. AUTHORISATION/LOCAL REPRESENTATIVE

Only authorized representative, possessing necessary authority letter (on Rs. 50/- non judicial stamp paper) from the bidder/supplier who have participated in the tender shall be allowed to attend the tender opening and further submission/collection of documents in the event of order.

24. CHANGE OF QUANTITY

The quantity indicated in the Schedule-I (Price & Quantity) is tentative and purchaser reserves the right to change the quantities of any or all items to the any extent for award of order/contract, as may be necessary, based on Purchaser's judgment/requirement. No correspondence shall be entertained into, neither discussed regarding change in quantity, nor any reason will be assigned thereof.

25. ACCEPTANCE OF TENDER

- i. The Purchaser may reject any or all tenders or to accept any tender considering advantageous to Purchaser whether it is the lowest offer or not.
- ii. The Purchaser may split the quantities against the tender on more than one firm for the same item. No reasons shall be assigned by the Purchaser for this and the same will be binding on the bidders.

**Chief General Manager (S&P)
M.P.P.K.V.V.Co.Ltd., Jabalpur**

ANNEXURE-II: QUALIFICATION CRITERIA AND EVALUATION METHODOLOGY

1. Qualification Criteria

BASIC QUALIFICATION OF BIDDERS:

This bidding is open for **manufacturers** only (Joint Venture in any form shall not be allowed to participate) who provide satisfactory evidence that:-

- i. That they are qualified manufacturers who regularly manufacture the materials/ equipment of the type specified and have adequate technical knowledge and practical experience.
- ii. That they do not anticipate change in the ownership during the proposed period of Purchase Order (if such a change is anticipated, the scope and effect thereof shall be defined).
- iii. That they have adequate financial stability and status to meet the financial obligations pursuant to the scope of the assignments.
- iv. That they have adequate plant and manufacturing capacity available to perform the assignment properly and expeditiously within the time period specified.
- v. The Bidder must be registered under GST Act and should produce copy of the GST registration certificate, failing which offer shall be rejected. However, if it is undertaken by the bidder that GST registration is under process, in such case the price bid shall be considered for opening but the award will not be issued till registration under GST is submitted.

1.1. Technical Criteria

- i. This bidding is open only for Manufacturers who regularly manufacture the material/ equipment of the type specified and have adequate technical knowledge and practical experience. Joint Venture in any form shall not be allowed to participate
- ii. The regular bidder should have a **minimum experience of 2 (two) years of design, manufacturing of tendered material (assorted rating)** and should have **supplied at least 20% of tendered quantities (assorted rating)** directly to the Discoms/SEBs/Power Utilities or their Turnkey Contractors in any state of country in last Five (5) years from the date of tender opening.

In support of above bidders shall require to submit an undertaking towards supply of quoted items in last five years from the date of opening of tender, as per schedule-II: Self Undertaking duly notarized in a non-judicial stamp paper worth Rs. 500/-.

The bidders who qualify the above criteria shall participate as Regular Bidder and the bidders who do not fulfill the above criteria shall participate as New Bidders and the same shall be clearly specified / declared in Schedule-I "BOQ" & Schedule-II failing which offers shall be liable for rejection

- iii. The Notarized Type Test certificates for the tendered items shall compulsorily be enclosed by the bidder along with their offer in support of evidence for compliance of specifications. The Type Test certificate should be only from NABL accredited Labs and Notarized. The Type Test report other than NABL accredited Lab shall not be accepted. The Type Test reports certificate for the tests conducted as per latest applicable ISS on the tendered items/material should not be older than Seven (7) years from the date of opening of tenders. **The Type Test certificates issued by the bidder's own NABL accredited Testing Lab or their sister concern's Lab. or Lab. having commercial relations with the bidder who come under conflict of interest shall not be acceptable.** Offers received without Type Test certificates for the tendered items may be rejected. Further, photocopy of Type Test reports will be subsequently matched with the original reports at the time of placing order.
- iv. **The regular bidders should quote/offer at-least 35%** of tendered quantity and at-least 7.5% by the new bidder failing which offer shall be liable for rejection, however the offered quantity should not be more than the Spare Manufacturing Capacity of bidder. The purchaser shall however reserve the right to offer the eligible bidder(regular/new bidder) for quantity beyond their quantity at their own/counter offer rates.
Offered Quantity: Offered quantity means, the Spare manufacturing Capacity {i.e. Total Manufacturing Capacity – (minus) Orders quantity under execution}, which is actually available with the firm to supply material against the instant tender within scheduled delivery period.
- v. Clause no. 1.1 (ii) applicable for regular bidders only, and clause no. 1.1 (i), 1.1 (iii) & (iv) applicable for both regular and new bidders.

vi. **TYPE TEST CERTIFICATES**

- a. The CT shall be fully type tested as per relevant Indian Standards or any equivalent International Standard during the **last Seven (07) years from the date of bid opening**. Submission of photo copy of the type test certificates for the following tests along with approved drawings duly signed by Testing Lab Authority conducted at CPRI, ERDA or any NABL accredited Test Laboratories is essential.
 - i) Short Time Current test.
 - ii) Temperature rise test (Report of higher rating than offered is acceptable).
 - iii) Lightning Impulse Voltage withstand test.
 - iv) High voltage power frequency wet withstand test on any unit or on bushings
 - v) Determination of error at (i) rated burden and (ii) 25% of rated burden.The number of core and current ratio shall not be significant for above tests.
- b. For any change in the design/type already type tested and the design/type offered against this bid, the purchaser reserves the right to demand repetition of some or all type tests without any extra cost.
- c. In absence of type test certificate for the tests as per relevant ISS, the offer is liable for rejection. The bidders shall confirm that they will supply the material exactly for the design for which type tests have been conducted. The above Type Test Certificates should not be more than Seven (07) years old from the date of opening of tender.
- d. The type test certificates issued by the bidder's own NABL accredited Testing Lab or their sister concern's Lab. or Lab. having commercial relations with the bidder, who come under conflict of interest, shall not be acceptable. Further, photocopy of type test reports will be subsequently matched with the original reports at the time of placing order, if required."

1.2. Financial Criteria

The purchaser will take account of the following financial criteria to verify the qualification of the bidder. These criteria shall be evaluated on a **Pass-Fail** basis only:-

- (a) The regular bidder should have sound financial capability. Bidders' annual turnover for the last financial year should be 20% of the tender value or its aggregate turnover for the last five financial year should not be less than the tender value. If the tender is issued after September month, then last year should be financial year ended in month of current year and if tender is issued in or before September month then the last financial year should be the financial year ended in month of last year.

The above criteria shall be applicable only for regular bidders. New bidders shall be exempted from the above criteria.

- (b) Minimum working capital of the regular bidders as at the end of last financial year/Bank utilization certificate – fund based (not more than 30 days from the date of opening of tender as per NIT) should be at least 10% of the tender value and for new bidders it should be at-least 1% of the tender value.
- (c) The above criteria of working capital shall be applicable for the both regular/new firms. The approximate value of the instant tender is **Rs. 860.40 Lakhs**.

In support of above bidders shall require to submit a Certificate issued by a CA who should be a Statuary Auditor/ Tax Auditor, as prescribed in Schedule-III of the tender as against financial criteria of the tender specification.

2. CONFLICT OF INTEREST

Bidder shall not have a conflict of interest with one or more parties. Participation by bidder(s) with a Conflict of Interest situation will result in the disqualification of all the bids in which it is involved. Purchaser considers a Conflict of Interest to be a situation in which a party has interest that would improperly influence that party's performance of official duties or responsibilities, contractual obligations or compliance with applicable laws & regulations, and that such conflict of Interest may contribute to or constitute a prohibited corrupt practice. A bidder may be considered to be in a Conflict of Interest with one or more parties if including but not limited to;

- i. Have controlling share holders as his / her family members viz. Spouse, Son, Daughter, Father, Mother or Brother in common or
- ii. 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 the bid of another bidder.
- iii. Has a close business or family relationship (spouse, Son, Daughter, Father, Mother or Brother) with a professional staff of the Employer (or of the project implementing agency or of a recipient of a part of the loan) who: (i) are directly or indirectly involved in the preparation of the tender documents or specifications of the contract, and / or the tender evaluation process or (ii) would be involved in the implementation or supervision of such contract.

3. EVALUATION OF OFFERS AND ACCEPTANCE OF TENDER

- i) The Purchaser may reject any or all tenders or to accept any tender considering advantageous to Purchaser whether it is the lowest offer or not, without assigning any reason.
- ii) If any taxes are not quoted, the Purchaser reserves the rights to load the quoted prices as per the applicable rate of taxes prevalent at the time of bid evaluation for price comparison purposes. However, responsibility in this regard shall solely rest with bidder.

4. COMPUTATION OF LOWEST ACCEPTABLE RATE (L1)

Price bids of technically and financially qualified Regular Bidders shall be opened and evaluated to find the item wise lowest rate. The bidder, who quotes item wise lowest computed FOR rate (i.e. landed unit cost) including all applicable taxes, shall be declared as L1 bidder for that item. These L-1 rate will be declared as the lowest acceptable rate for both Regular & New Bidder. In case the lowest rate(s) received is/are found to be unviable the entire bid shall be rejected.

New Bidders shall not require to quote their prices in the price bid/BoQ under the column meant for Ex-works. They shall mention Rs. "00.00" in their price bid/BoQ against Ex-Works. If new bidder quotes any price other than "00.00" in price bid/BoQ against Ex-Works then their bid will be rejected, and the Ex-works prices quoted by them will be considered as null & void in this bid. However, they shall require to quote Freight & Insurance charges, offered quantity, HSN code & % of GST in the respective column of Price Bid/BoQ.

5. PRICE CONSIDERATION ZONE (10% above Lowest Acceptable Rate)

Subject to fulfilling all the criteria/tender conditions, the counter offer shall be limited to the bidders whose computed FOR rate including taxes and freight, other levies is within the price band of 1.10 times of the lowest acceptable offer on merit basis. The bidders whose offers are within price consideration zone shall only be eligible for issue of counter offers and LOI.

6. QUANTITY DISTRIBUTION

I. Quantity Distribution among Eligible Bidders:

The total quantity distribution among the various eligible bidders shall be as below:-

- (a) Regular Bidders:- Minimum 85% of tendered quantity and may go up to 100% in case of no eligible New Bidder.
- (b) New Bidders:- Maximum up to 15% of tendered quantity.

II. Distribution of quantity among Regular and New Bidders:-

Ranking list of the eligible bidders shall be prepared for all Regular Bidders in ascending order of their quoted prices. The firms which are coming under the **Price Consideration Zone** in the ranking lists may be eligible for placing of orders/counter offers on Lowest Acceptable Rate.

(i) Distribution of quantity amongst New Bidders

Such New bidders who are eligible as New Bidders for orders and accept counter offer at Lowest Acceptable Rate will be awarded order as below:

- (a) Up to 15% of the tendered quantity among all New Bidders equally or limited to their quoted quantity, whichever is minimum.
- (b) In case any quantity remains left from New Bidder then quantity to be allocated to regular bidders.
- (c) In case, there are no eligible New Bidders in the bid, then full 100% quantity will be considered for regular bidders.

(ii) Distribution of quantity amongst Regular Bidders

The balance quantity after allocation to New Bidders shall be distributed among the Regular Bidders. The Purchaser reserve the right to distribute this quantity amongst the bidders other than the lowest also in Regular Bidder category on counter offer at L-1 price. The distribution of the quantity among the all eligible Regular Bidders, who have accepted LoI on counter offer, will be done as under limited to their offered quantity:

Table:1 quantity distribution among regular bidders (% of balance quantity after allocation to the New Bidders)

Sr. No.	Quantity Distribution	Bidders who has quoted their rates under Price Consideration Zone in ascending order w.r.t. bidder R-1 and given consent of supply at L-1 Rate.		
1	3 or more Bidders agree on L1 rate	R1	R2	R3
	Quantity distribution (%)	50%	30%	20%
2	2 Bidders agree on L1 rate	R1	R2	
	Quantity distribution (%)	60%	40%	
3	When only 1 bidder agree on L1 rate	R1		
	Quantity distribution (%)	Minimum offered quantity by bidder and maximum up to 100% of tendered quantity		

- (a) It may be very carefully noted that the bidders, while accepting the Lowest Acceptable Rate (L-1) on counter offer against LoI issued to them have to compulsorily accept the quantity offered by the Purchaser in full provided it is within 75% of the quantity offered by them in the bid. In the event, they do not accept this, the Purchaser may not place order on them on counter offer.
- (b) The aforesaid nomenclature for assigning ranking to bidders in Regular Bidder Category as R-1, R-2, R-3 etc. will be for those bidders who have accepted the LoI on counter offer at L-1 rate and ranking will be in ascending order from lowest bidder R-1 who by default will be L-1 firm.
- (c) In the first instance, the LoI/Counter offer shall be issued to the bidders with relative ranking of R-1 to R-3 as per Sr. No. 1 of table-1, in the ascending orders of their quoted price. In case of non- acceptance of LoI/Counter offer by any bidder, the next bidder(s) beyond L-3 falling within aforesaid price consideration zone will become eligible for LoI/counter offer and so on. (Bidders are advised to clearly understand this and do not get confused by R-2 & R-3, with L-2 & L-3).
- (d) In Sr. No. 1 of above table, the 50% quantity allocation to R-1 shall be with the consent of R-1 bidder, if his offered quantity is less than 50%. In case of non/partial acceptance, the quantity shall be restricted up to accepted/offered quantity against this tender. In this situation, the remaining unaccepted additional quantity by R-1 bidders, shall be offered to R-2 bidder subject to his original offered quantity against the tender, in case of partial acceptance of such additional quantity by R-2 bidder, the remaining quantity shall be offered to R-3 firm subject to his original offered quantity against the tender. If any non-distributed quantity still left, then same shall be allotted to R-4 bidder falling in Price Consideration Zone and accepted counted offer at L-1 rate.
- (e) In Sr. No. 2 of above table, the 60% quantity allocation of R-1 and 40% quantity to R-2 bidder shall be with their consent, if their offered quantity is less then allocated quantity. The minimum quantity allocation to any bidder shall be restricted up to their offered quantity against this tender. In case on non/partial acceptance of additional quantity by any bidder, the remaining unaccepted additional quantity shall be offered to other bidder. In case, any quantity remains undistributed due to non-acceptance or partial acceptance of quantity by other bidder, then same shall be procured through retendering.
- (f) If there are no regular bidders except R-1 bidder (Sr. No. 3) in Price Consideration Zone or no regular bidder accept the counter offer at L1 rate, then 100% quantity (balance quantity allocation to New Bidder) may be offered to L1 bidder. On his refusal or partial acceptance of additional quantity above his offered, then re-bidding shall be done for such unaccepted remaining quantity.
- (iii) In the above manner if none of the MP based unit gets any order then the tendered quantity required to be procured shall be allocated as under:**
- Distribution of quantity amongst MP based units:-** Upto 10% of the tendered quantity required to be procured among all MP based units equally provided, they fall within price consideration zone and accept counter offer rate at L1. In case, there is no eligible MP based unit then the quantity meant for MP based units shall be allocated to the other eligible regular bidders.
 - Distribution of quantity amongst New bidders:-** Up to 15% of the tendered quantity required to be procured amongst all new bidders equally or limited to their quoted quantity whichever is lower. In case, any quantity remains left from new bidders then the same shall be allocated to the other eligible regular bidders.
 - Distribution of quantity amongst regular bidders:-** Minimum 75% of tendered quantity required to be procured which may go upto 100% in a manner as specified in clause-6 (II)(i) above.

- (iv) In case where the tender quantity is meager, the Discom may allocate 100% of the tendered quantity only to the L-1 bidder.
- (v) The quantity distribution as above shall be made amongst the eligible bidder provided there is no order pending on them for the tendered items for which delivery period has passed. In case bidder will have pending order and its delivery period has passed, the purchaser at its discretion may reduce such pending order quantity from their share as per above quantity distribution and its quantity shall be distributed among the other eligible bidders. The quantity already offered shall not be considered in pending order quantity.
- (vi) **Distribution of quantity in case two bidders quoted same price :-**
In case two bidders quotes same L1 rate, then both the bidders will be considered as L1 bidder and their rate will be declared as L1 rate. In such case, share of L1 and L2 bidders as per quantity distribution shall be equally distributed amongst these two L1 bidders. Similarly, in case of two L2 bidders, share of L2 and L3 bidders as per quantity distribution shall be equally distributed amongst such two L2 bidders and so on.

III. Re-distribution of quantity due to non-performance of any supplier:

In case performance of any supplier is found unsatisfactory during the delivery process, the award will be liable to be cancelled and in such event the Purchaser reserves the right to distribute the balance quantity of cancelled award amongst remaining existing (Both Regular & New) suppliers on their acceptance. Started from the regular supplier, the quantity shall be offered first to the highest ranking supplier, on his refusal or partial acceptance, the remaining quantity shall then be offered to supplier of next ranking. If any non-distributed quantity still left, then same shall be allotted to next ranking bidders falling in Price Consideration Zone and accepted counter offer at L-1 rate, in case the quantity still left same shall be offered to new bidders in similar manner as mention in this para as above. However this action shall be fully at the discretion of the Discom only.

7. REVERSE AUCTION

After opening of Price Bid, the Purchaser will conduct a Reverse Auction (RA) among the technically and commercially qualified bidders, through MP Tenders portal for determination of the lowest bidder (L1).

The bidders shall confirm their acceptance to participate in the Reverse Auction at the time of submission of their bids. Bidders who do not accept Reverse Auction shall not be considered for further evaluation.

i. Process of Reverse Auction

- a) Only the bidders who qualify in the technical and commercial evaluation and whose price bids are opened shall be eligible to participate in the Reverse Auction.
- b) The Reverse Auction will be conducted on a specified date and time, which will be communicated to the eligible bidders electronically through system generated email and SMS by MP tenders portal.

ii. Start Price & Decrement

- a) The Purchaser shall start the Reverse Auction based on the lowest price discovered through the initial price bids.
- b) The minimum decrement shall be notified before the Reverse Auction begins. Bidders shall be able to reduce their price only by a minimum decrement or its multiples.

iii. Determination of L1

At the end of the Reverse Auction, the bidder quoted the lowest price shall be considered as L1, subject to verification of arithmetical errors and compliance to tender terms.

iv. Other Conditions

- a) The Purchaser/Employer reserves the right to accept or reject the Reverse Auction result, or to annul the Reverse Auction process, without assigning any reason thereof.
- b) In case of failure of the Reverse Auction due to no participation or technical failure, the Purchaser/Employer may decide to proceed with the original price bids submitted or may re-conduct the Reverse Auction.
- c) The price quoted in the Reverse Auction shall be inclusive of all applicable taxes, duties, levies, freight, insurance, etc., unless otherwise specified in the Tender.

Chief General Manager (S&P)
M.P.P.K.V.V.Co.Ltd., Jabalpur

ANNEXURE-III: GENERAL TERMS AND CONDITIONS OF PURCHASE

1. DEFINITIONS

In this bid document (including all the Annexures & Schedules), unless the context otherwise requires, the terms given below shall have the following meanings assigned to them:

- (i) "Addendum" shall mean any other document issued to the bidders in addition to the bid document by the Purchaser in the context of this bidding process.
- (ii) "Agency" shall mean the successful bidder who has executed the purchase order.
- (iii) "Bid/Tender" shall mean the proposal/document that the bidder submits in the requested and specified form as mentioned in bid documents.
- (iv) "Bidder" shall mean the firm/manufacturer who quotes the offer against a tender or enquiry.
- (v) "BG" shall mean Bank Guarantee.
- (vi) "Companies Act" shall mean The Companies Act, 1956 (as amended or replaced from time to time).
- (vii) "Competent Authority" shall mean the authorised person of the Purchaser.
- (viii) "Division office" Manage and control working of Sub-division office/DCs. Division Office operates under Circle office and have a number of Sub-division office/DCs.
- (ix) "EMD" shall mean Earnest Money Deposit.
- (x) "Instruction" shall mean any drawings and/or instruction in writing, details, directions and explanations issued by the Purchaser from time to time during the Purchase Order Period.
- (xi) "Purchaser" shall means Madhya Pradesh Poorva Kshetra Vidyut Vitran Company Limited, Jabalpur.
- (xii) "MPPKVCL" shall means Madhya Pradesh Poorv Kshetra Vidyut Vitran Company Limited, Jabalpur.

2. PRICES AND STATUTORY LEVIES

- (i) It is obligatory that FOR destination FIRM or VARIABLE price as specified in Annexure-IV: Special Terms and Conditions of Purchase is quoted, clearly giving break-up in the following elements: -
 - (a) Unit Ex-works / Ex-go down rate including packing.
 - (b) Goods and Service Tax GST as applicable: -
CGST and MP GST; or IGST
 - (c) Forwarding & Freight-Insurance Charges.
 - (d) Any other levy / taxes. The details and rate to be specified.
 - (e) In case of exemption from any Tax, documentary evidence shall be furnished with the offer.
 - (f) The prices shall be quoted exactly as per the price schedule enclosed with the tender specification, including all elements. In absence of this, the offer shall be liable for rejection.
 - (g) No revision on any account shall be allowed during execution of the order.
- (ii) Any charge as may be applicable as per law in force, must be clearly specified otherwise any of such silent charges, shall not be payable in the event of an order.
- (iii) The basic order shall be placed on Ex-factory price inclusive of packing and forwarding charges. GST shall be paid on elements of Ex-factory price and Freight charges.
- (iv) The payment of statutory levies such as CGST &MP GST or IGST against the Purchase Order shall be made on the basis of rates prevailing during the contractual delivery period only and on applicable quantity due, to be actually delivered as per delivery schedule of Purchase Order. In case, concessional rate of statutory levies are quoted by the bidder, then the same shall be paid limited to the quoted rate. In that case the payment of statutory levies against the Purchase Order to all concerned government departments or to any other organization will be the sole responsibility of supplier on the basis of rates prevailing during the contractual delivery period as per schedule of Purchase Order, as well as for any supplies made after the contractual period. Any liability raised by the government authorities due to any difference in the amount payable and consequences thereof the purchaser will not be responsible for any sustained damages by the supplier.
- (v) In case, supplies against the Purchase Order are affected late i.e. beyond contractual delivery period and rate of GST undergoes upward revision, the payment will continue to be made only on the basis of rates prevailing during the contractual delivery period. However, in case the rate of

statutory levy (ies) undergoes, downwards revision then the delayed supplies beyond contractual delivery period will attract the reduced rate of statutory levy (ies).

- (vi) In case of delay in supply, if the supplier is able to prove that the delay involved is due to force majeure conditions, as detailed in the "Force Majeure" clause, supported with suitable documentary proofs and in case the delay is condoned with specific approval for payment of statutory levies during extended period, supplementary claim for GST shall be accepted and payment shall be released, accordingly.
- (vii) Pending decision on the request of the supplier, for condition of the delay in delivery, the supplier will claim GST as per the rates prevailing during the contractual delivery period. In case, this is not done, all financial losses will be to supplier's account
- (viii) GST registration number of MPPKVCL **23AADC6175E2ZM**
- (ix) If any rates of Tax are increased or decreased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs in the course of the performance of Purchase order, which directly impacts tax liability of Agency in performance of this Purchase order, an equitable adjustment of the Purchase order value shall be made to take into account any such change by addition to the Purchase order value or deduction therefrom, as the case may be. **However, decision of the Purchaser would be final in this regard**".
- (x) In case of difference in the quoted HSN Code/Service Accounting Code and quoted rate of GST, final decision of the MPPKVCL Jabalpur shall prevail.

3. TRANSIT RISK

- i) Responsibility regarding covering of risks during transit of material shall entirely be on the supplier. The Purchaser shall, in any case, not bear the transit risks/ transit insurance charges.
- ii) Transit damages/ shortages/ losses shall be reported by the consignees within 30 days from the receipt of the consignments. Such damages/shortages/losses shall be repaired/ replaced by the suppliers, free of cost within one month from the date of intimation by the consignee without awaiting for his settlement from carrier or Insurance Purchaser etc. If the supplier fails to do so the consignee(s) shall be free to get the repair work done from other sources and they shall be free to recover the cost of such material/ expenses of repairs either from the supplier's balance bills or from the security deposit as deemed fit.
- iii) While the necessary assistance shall be rendered by the consignee in lodging and processing the claims with carriers and the supplier's insurance underwriters, the responsibility shall rest with the supplier to immediately make good the shortages/ losses/ damages, without any extra cost and without waiting for the settlement of the claim.
- iv) **Replacement of goods lost/ broken or damaged including loss due to fire:-**
Notwithstanding anything here-in contained, the supplier shall undertake responsibility for the safe arrival of the material in good condition and without any loss or damage at the final destination and until the same is actually delivered to/ received by the Purchaser at its stores or other places of final destination. For this purpose, material carried by Railway or Road transport or other carriers shall be deemed to be so carried at the risk of the suppliers. In the case of transport damages/shortages, the payment shall be made only for the quantity received in good and working condition and consignee shall lodge claim with the suppliers/ carrier with all necessary documents for settlements of the same with the carriers at supplier's end.

4. PACKING AND FORWARDING

- (i) The supplier shall be responsible for the Stores being sufficiently and properly packed at his expense for transport by rail, road or sea, so as to ensure them being free from loss/damage due to handling and transport to the destination.
- (ii) Each package shall be prominently and distinctly marked on at least two faces, indicating the full address of the consignee, destination station, name of material, purchaser's order number, weight and volume of the package etc.
- (iii) Each package shall contain in a water proof cover, detailed description indicating the order reference and date and list of the contents. Each item contained in the package or box shall be described sufficiently to enable easy identification. The quantity, weight etc. shall also be given.
- (iv) The packing shall conform to the specification, rules and regulations prescribed by the underwriters, railways, Transport Agencies. In case of any loss/damage to the consignment due to non-standard packing, the same shall be made good free of all charges to Purchaser by the supplier. All provisions of this clause shall apply whether the disrupting cause is total or partial in its effects upon the ability of supplier to perform.

5. MODE OF DISPATCH

The bidder should clearly indicate mode of dispatch for the material. In case of dispatch through rail, the material is to be booked for respective destination railway station. In case of dispatch through road transport, the material should be dispatched through bank approved road transporter on door delivery basis only.

6. SUBMISSION OF DRAWING AND LITERATURE

All the relevant drawings shall be submitted immediately after placement of order for approval. One set of drawing, Descriptive Literature and instructions Manual for Erection, Commissioning and maintenance of the equipments ordered, shall be supplied to each consignee.

7. INSPECTION AND TEST CERTIFICATE

- (i) The Purchaser shall arrange pre dispatch inspection of material/equipment at the Firm's work before dispatch by deputy an officer from the Purchaser. The supplier shall extend all necessary cooperation and facilities to the inspecting authority for performing inspection/ testing of materials.
- (ii) Intimation about the date, by which material shall be ready for inspection, indicating quantity, be given to the Order Placing Authority, by the supplier, so as to reach him sufficiently in advance, failing which, the suppliers shall be responsible for delay in delivery on account of inspection. On receipt of such intimation, the material shall be inspected normally within 15 days.
- (iii) The supplier shall not dispatch the material unless specific dispatch instructions are issued by the Purchase Section of Purchaser or any other authorized officer of the Purchaser.
- (iv) In case the officer deputed for inspection does not find the offered lot ready at the Firm's works the Purchaser shall reserve the right to recover from the supplier, such charges as might have been incurred in arranging such inspection. These charges have been specified in clause 9 "Fake inspection call".

8. RIGHT TO CARRYOUT THE INSPECTION DURING MANUFACTURING

- (i) The Purchaser, at its option, will inspect the material on order during its process of manufacturing including the inspection of raw material and will request the supplier to carry out such tests as may be necessary to ensure proper quality check. Samples of components of the material shall be subjected to quality check by the inspecting officer during manufacturing. In the event of stage inspection, if any discrepancy is noticed, the supplier shall be given immediate notice to suspend further manufacturing until corrective measures are taken and the process cleared.

9. Factory Inspection:

In case of new firms/participant quoted for the first time who had not executed any order of Discom of MP in last 3 Years, there factory inspection shall be carried out by the purchaser representative after opening of tender or prior to placement of order on them with a view to ascertain whether they are a qualified manufacturer and are having adequate facility, technical knowhow and practical experience for manufacturing of the quoted item. The satisfactory report of factory inspection of such new firm shall be an essential requirement for them for execution of order against the instant tender. The representative of purchaser may see the raw material and its record, testing lab and testing facility, may question workers/staff, see the machines, safety standards, floor layout of factory and verify past experience record claimed in the instant bid. The firm shall deposit an amount of Rs. 20,000/- + GST as applicable to the purchaser towards factory inspection as above.

10. FAKE INSPECTION CALL

All such cases where firms after giving inspection call do not offer full quantity as per their offer letter to the Inspecting Officer deputed by the Purchaser for any reason, shall be treated as 'Fake Inspection Call'. The Purchaser will not be under any obligation to arrange inspection of such partial lot and the firm will be required to remit a sum of Rs.50,000/- +GST as applicable for each fake inspection call.

In case of more than two Fake Inspection call under the same purchase order, the purchaser at its discretion may cancel the order for balance ordered quantity exercising provision of "Cancellation/ Termination of order" of the tender and also debar the firm from future business.

11. FORCE MAJEURE

Force majeure condition is herein defined as:-

- (i) Natural phenomena, such as floods, draughts, earth-quakes and epidemics.
- (ii) Act of any Government Authority, domestic or foreign, such as war, quarantines, embargoes, licensing control or production or distribution restrictions.
- (iii) Accident and disruptions such as fires, explosions, increase in power cut with respect to date of tender opening, break-down of essential machinery or equipments etc.
- (iv) Strikes, slow down, lockouts continuing for more than three (3) weeks.
- (v) Failure or delay in the supplier's source of supply due to force majeure causes enumerated at (a) to (d) above, provided the supplier produces documentary evidence to show that there were no other alternative sources of supply available to him or if available, the lead time required was likely to be longer than the duration of the Force Majeure at the normal source of supply.
- (vi) Any cause which is beyond the reasonable control of the supplier or purchaser as the case may be.
All the provisions of this clause shall apply whether the disrupting cause is total or partial in its effect upon the ability of the supplier to perform.

NOTE:- The cause of force majeure condition will be taken into consideration only if the supplier within 15 days from the occurrence of such delay notifies. The Purchaser shall verify the facts and grant such extension as the facts justify. For extension of delivery period on account of force majeure conditions, the supplier shall submit his representation with documentary evidence for scrutiny by the purchaser and decision of the Purchaser shall be binding on the firm.

12. RECOVERIES FOR LIABILITIES AGAINST OTHER CONTRACTS/ORDERS

All amount recoverable from the successful bidders against any earlier or subsequent contracts/orders including contracts/orders placed on sister concern by the Purchaser will be adjusted/ recovered from any type of payment due against the contracts/orders that may be awarded under this specification OR any other contract(s)/order(s) including the contracts/order placed on sister concern firms placed by Purchaser against other tender specification for the same or the other items.

The Purchaser shall have the option to recover the outstanding dues / liability, if any, against the firm against any contracts / orders from the firm's bills / payments due against the orders / contract placed by other successor Companies formed on restructuring of MPSEB, which shall be binding on the bidders.

13. COMPLETENESS OF EQUIPMENTS

The equipment/material shall be completed in every respect with all minor fittings and accessories, even though these may not be specifically mentioned in the purchaser's specifications or the tender's offer. The supplier shall not be eligible for any extra price in respect of such minor fitting and accessories which can be considered as an essential part of the basic equipment even though not specifically mentioned in the specification or in the offer.

14. EXTENSION ORDER

The Purchaser reserves the right to place an extension order for any additional quantity to the extent of 50% quantity of the original order on the same rates, terms and conditions within Nine Months from the date of order.

Other Discoms of MP may also place extension order for the quantity not exceeding to 50% quantity of original order on the same rates, terms and conditions within Nine Months from the date of order with the consent of order placing authority.

15. DESIGN AND INTER-CHANGEABILITY

All similar material and removable parts of similar equipments shall be uniform and interchangeable with each other.

16. MATERIAL TEST CERTIFICATE

Each item of the lot should be tested by the supplier and routine test certificate in duplicate giving the result of all tests prescribed in the relevant ISS (as mentioned in the Technical Specification Schedule) for ordered items shall be submitted to the office of the Order placing Authority for approval along with the letter/ offer for inspection of the material. Please note that each lot will be inspected at your works, which includes witnessing of all tests prescribed in ISS.

17. ROYALTIES AND PATENTS

All royalties for patents or any charges for usage or infringement thereof that may be involved in the supply shall be included in the offered price and the supplier shall protect Purchaser against any claim thereof. Supplier is fully responsible for such contractual dealing and purchaser shall not be called upon to bear any such charges.

18. COMPLIANCE OF REGULATIONS

The supplier shall warranty that all Goods covered under procurement, shall have been produced, sold, dispatched, delivered, tested, in strict compliance with all applicable Rules, Regulations including Industries (Development and Regulations) Act 1951 and any amendment there under, labour agreements, working conditions and technical codes and requirements, as applicable from time to time.

The supplier should execute and deliver such documents, as may be needed, by the purchaser in evidence of compliance. All laws, Rules and Regulations are required to be incorporated in this reference. Any liability arising out of contravention of any of the laws shall be the sole responsibility of the vendor and the purchaser shall not be responsible in any manner whatsoever.

19. CANCELLATION/TERMINATION OF ORDER

The Purchaser may upon written notice of default, terminate/cancel the purchase order/contract in whole or for a part quantity with recovery of liquidate damages at the rate of 10% of ex-works price(s) of stores not delivered by them or liability on account of risk and cost, whichever is higher in the circumstances detailed hereunder:-

- 19.1. If in the opinion of the Purchaser, the supplier fails to deliver the material within the time specified or during the period for which extension has been granted by the Purchaser.
- 19.2. If in the opinion of the Purchaser, the supplier fails to comply with any of the other provisions of this Purchase order/contract or material is found not in accordance with prescribed specifications and or the approved samples.
- 19.3. If in the opinion of the Purchaser, the supplier fails to take urgent steps towards corrective measures as indicated/intimated to them as a result of stage inspection.
- 19.4. In pursuance to clause no. 19.1, 19.2 & 19.3 Above, Purchaser may debar the supplier/contractor for further business with Purchaser for a declared period on breach of the Purchase Order.
- 19.5. Notwithstanding that the powers under clause 19.4 referred to above, are in addition to the rights and remedy available to the Purchaser under the general law of India relating to Purchase Order.
- 19.6. In the event, Purchaser does not terminate the order, the supplier shall continue execution of this order, in which case he shall be liable to the Purchaser for liquidated damages for the delay as per applicable clause, until supplies are accepted.

20. CANCELLATION/TERMINATION OF ORDER FOR CONVINIENCE:-

The purchaser shall be entitled to terminate/cancel the purchase order at any time for the balance ordered quantity which is within the delivery schedule with no liability on either side and without assigning reason thereof. However the purchase order for the quantity which has already been offered for inspection shall not be cancelled and supply of the same shall be availed in due course of time.

21. REDUCTION OF RATE DUE TO SUBSEQUENT TENDER

As a result of opening of the subsequent tender of the purchaser, if the rates received for the same item(s) are found to be lower, then the balance ordered quantity as on date of opening of price bid excluding the quantity which has already been offer for pre dispatch inspection, may be accepted at the lower rates only. If the supplier does not agree to supply the balance quantity at the lower rate, the order will be cancelled by the purchaser without liability on either side provided the ordered delivery period of the balance quantity is existing otherwise the provision of the clause named 'Cancellation/ Termination of Order' shall be applicable.

22. QUALITY ASSURANCE PLAN

The bidder must establish that they are following a proper quality assurance program for manufacture of tendered item and shall submit various checks, tests , since receipt of raw material upto the dispatch of finished product the bidder shall invariable furnish with his bid statement given list of important raw material, name of sub supplier for the raw material , list of standards according to which the raw material are to be tested , list of test normally carried on raw material, list of manufacturing facility available , list of testing equipments available with the bidder for final testing of equipment and test plant limitation , level of automation and list of areas where manual processing exists.

23. **Responsibility for Loading /Unloading at Area Stores:-** It shall be the responsibility of purchaser to arrange necessary facility for loading/unloading of material at Area Stores
24. **SETTLEMENT OF DISPUTES AND ARBITRATION**
If any dispute of any kind whatsoever shall arise between the Purchaser and the Supplier in connection with or arising out of the Purchase Order, the parties shall seek to resolve any such dispute or difference in opinion , to the extent possible, amicably by mutual consultation. If the parties have failed to resolve their dispute or difference by such mutual consultation, then the dispute shall be referred in writing by either party to and settle by Arbitral Tribunal comprising of three Arbitrators, one to be appointed by each party and third Presiding arbitrator to be appointed by both the arbitrator as per provision of Indian Arbitration and Conciliation Act 1996 as amended from time to time.
The arbitration shall be conducted as per provision of Arbitration and Conciliation Act 1996 and as amended from time to time and of the rules made there under. The Arbitrators or the Presiding as the case may be, are bound to give a detailed speaking award assigning reasons for the findings. The decision of Arbitral Tribunal shall be final and binding up on the both parties.
Supplies under the Purchase Order shall be continued by the Supplier during the arbitration proceedings, unless otherwise, directed in writing by the purchaser or unless the matter is such that the work cannot possibly be continued until the decision of the Arbitrator or of the Presiding, as the case may be, is issued.
The arbitration proceeding if any shall be strictly held at the head quarter of Purchaser at Jabalpur.
25. **JURISDICTION**
Any dispute or difference, arising under, out of, or in connection with this tender/ Purchase order shall be subject to exclusive jurisdiction of competent court at Jabalpur only.
26. **ROUTINE AND ACCEPTANCE TEST :-**
The manufacture shall carryout the all routine and acceptance test as stipulated in the relevant Indian standard at their works and result of these test will be submitted to this office for approval alongwith letter/offer for inspection. The above test results may be witnessed by our representative at the manufacturer's work if so desired by the purchaser, prior to the dispatch of the material.
27. Management of contract should be strictly done through Online Portal developed by Purchaser. The supplier should follow the process of Vendor Registration, e MRC, Online offer of material, dispatch of material etc. as per provision of Quality Manual and online process developed by Purchaser. Hyperlink of quality manual & online <https://qcportal.mpcz.in>.

**Chief General Manager (S&P)
M.P.P.K.V.V.Co.Ltd., Jabalpur**

ANNEXURE-IV: SPECIAL TERMS AND CONDITIONS OF PURCHASE

1. PRICES:

The ex-works prices of tendered item shall be **Variable** as per relevant IEEMA Price Variation formula, both on plus & minus side without any ceiling. The basic price of the material and indices used shall be as published by IEEMA prevailing as on first working day of the month, one month prior to the date of opening of tender.

The price quoted by bidder shall be on FOR destination basis at Area Stores (Jabalpur/Sagar/Chhindwara/Satna/Chhatarpur/Shahdol) including of packing, forwarding, and freight charges.

2. PRICE VARIATION

Price variation shall be payable as under:-

- i. Price variation shall be payable when the supply is made within contractual delivery period.
- ii. Price Variation shall be payable on the basis of date of delivery of the material. The “date of delivery” shall be the date on which the Instrument Transformer is notified as being ready for inspection/dispatch (in the absence of such notification the date of manufacturer’s dispatch note is to be considered as the date of delivery) or the contracted delivery date (including any agreed extension thereto), whichever is earlier.
- iii. No upward price variation shall be payable beyond the contractual delivery period where the supplier is responsible for the delay and the payment shall be restricted to the original ordered price only. However any downward variation in the prices on the actual date of delivery shall be recoverable from the firm.
- iv. For calculation of Price Variation, Indices as applicable on the first day of the month prior to the month of delivery shall be considered.
- v. The Price Variation shall be payable as per Price Variation Formula of the tender.”

3. TAXES AND DUTIES :-

The applicable taxes viz. GST shall be paid at the rate prevailing at the time of delivery. No upward variation shall be payable beyond the contractual delivery period where the supplier is responsible for the delay and any downward variation in the prices shall be recovered from the firm. The bidders are advised to quote the present rate of applicable taxes in the respective columns of the price schedule.

Statutory variations in applicable taxes, if applicable during the contractual delivery period shall be paid extra against documentary evidence.

MPPKVCL, Jabalpur is enrolled under GST (Goods and Service Tax and its GSTIN is **23AADCM6175E2ZM and PAN is AADCM6175E.**

4. PAYMENT

(i) Subject to completion of all contractual formalities 100% payment alongwith Taxes Corresponding to the consignment would generally be made within 45 working days from the date of DRR on acceptance of material by the Area stores after successful testing at NABL Lab.

(ii) The supplier shall forward the original RR/MTR directly to consignee alongwith copies of following documents :-

- (a) Copy of bill
- (b) Delivery challan
- (c) The inspection and TC approval
- (d) Detailed packing list, if required

(iii) The original bills should be forwarded to the paying authority through Dy. Director (Bills) MPPKVCL, Jabalpur and should be marked ORIGINAL. The bill should indicate GSTIN registration number and date allotted to him under GST Act.

(iv) The following documents will have to be forwarded to the paying authority alongwith bill in triplicate.

- (a) Bill / Invoice
- (b) Xerox copy of dispatch documents i.e. RR/MTR etc.
- (c) Dispatch clearance / instructions.

- (v) The material receipt certificate will be forwarded by the consignee to the paying authority for payment, as well as to the supplier towards acknowledgement of receipt of material including part consignee to the extent it is received in good condition and is serviceable.
- (vi) The invoice in triplicate with relevant document such as material receipt certificate in good condition etc. should be submitted to the MPPKVCL Jabalpur for the quantities supplied in Discom Area Store for claiming the payment or any other related issues
- (vii) The Purchaser shall make above payment directly in the account of successful bidder. The Purchaser is having its account in SBI, Nayagaon Branch, Jabalpur. To make payment directly through Bank, the bidders are requested to furnish following information in respect of their Bank Account:-
 - (a) Name of Bank and Branch address:-.....
 - (b) Their Bank Account Number. :-
 - (c) IFS code of the Branch for RTGS transfer. :-.....
- (viii) Charges required by Bank in this regard will be debited to suppliers'/contractors' Account. Net payment after deduction of charges required by the Bank shall be released in favour of suppliers.

5. TIMELINES FOR DIFFERENT PROCUREMENT ACTIVITIES:-

- a. Pre dispatch inspection shall be arranged by the purchaser within 2 working days from the date of receipt of offer from the supplier
- b. The inspecting authority shall perform pre dispatch inspection at the firms work within 7 working days from the date of nomination.
- c. The inspecting authority shall send inspection report on the same date on which inspection is performed through mail.
- d. Dispatch Instruction shall be issued by the purchaser within 2 working days from the date of receipt of satisfactory inspection report on mail.
- e. The consignee Store shall take the consignment in DRR on the same day on which material is consigned to Area Stores.
- f. The CGM (S&P) shall arrange testing of sample randomly drawn from the supplied lot within 8 working days from the date of DRR of last consignment under a particular DI.
- g. The purchaser, if required may also arrange testing of sample randomly drawn from the lot supplied in any of the Area Store under a particular Dispatch Instruction.
- h. Material at Area Store shall be accepted/rejected by the consignee within 1 working day from the date on which the CGM (S&P) conveys test result through mail.

6. DELIVERY

- i. The bidder shall require to complete the delivery in 4 installment for each of assorted rating. The first lot / installment shall be supplied within 60 days from the date of issue of order (including date of issue) sent through email and subsequent lot(s) within next 45 days thereafter as under:-

Sl. No.	Lot No.	Qty. To be delivered in percentage	Delivery Schedule
1.	1 st	25%	To be supplied within 60 days from the date of issue of order
2.	2 nd	25%	Within next 45 days thereafter
3.	3 rd	25%	Within next 45 days thereafter
4.	4 th	25%	Within next 45 days thereafter

- ii. The period allowed for delivery of 1st lot shall include 5 days time for submission and GTP and Drawing by the bidder and 5 days time for approval of the same by the purchaser.
- iii. In case material under a lot is delivered beyond terminal date specified for the respective lot (s) penalty as per penalty clause of the purchase order shall be recoverable form the supplier. The penalty shall be reckoned from the next day of the terminal date of restive lot(s) to the date of actual delivery.
- iv. In case terminal date for a lot falls on a holiday it will be shifted to the next working day.
- v. The purchaser shall reserve the right to defer the supplies or re-schedule the delivery of the order if required. The intimation shall be given in writing the Price Variation shall be given for quantities deferred along with any change in applicable Taxes.
- vi. Early delivery of the material shall be preferred, if required.
- vii. In case of delay in the part of purchaser in arranging the pre-dispatch inspection or in issuing dispatch Instructions beyond the time line prescribed in clause '5' above, the same shall be specified by the purchaser in the dispatch Instructions and this period shall not be counted for calculation of penalty on account of delay in delivery.

7. ACCEPTANCE OF MATERIAL

The MPPKVVCL has option to conduct Routine/Type tests/STC test with acceptance test on the samples from the consignment of material received at our consignee Area Stores before its acceptance from any of the lot to be supplied against the order. The said test shall be conducted on any one unit of each rating of the received lot. The MPPKVVCL reserve the right to waive off the testing of the lot, in case of urgency.

The sample Unit shall be selected for conducting Type Test/routine tests/STC test with acceptance test from the lot of CTs received in Area stores by a committee constituted by CE (W&P). The body of the samples so selected shall be sealed by at least 2-3 seals by the committee members. The selected samples shall be sent with complete details for testing as per specification at any independent NABL accredited Laboratory like ERDA, CPRI etc. In case the sample unit fails in any of the Routine/Type tests/Acceptance test (with STC test), the entire lot shall be rejected.

The EE (stores) shall verify and ensure that the serial number and make is engraved on the sides of the CTs.

The testing charges shall be borne by the MPPKVVCL. However, in case the CTs fails in any of the test(s), the entire lot shall be rejected and the entire testing charges shall be recovered from the supplier.

In case of any dispute relating to test results against the rejected lot and on contesting by the supplier, the retesting of another randomly selected sample from the rejected lot in presence of firm's representative may be considered at the discretion of MPPKVVCL. The retesting charges including other expenses viz transportation, loading/unloading etc. shall be borne by the supplier. In case of failure of the lot in second testing, the lot shall be finally rejected and shall have to be lifted & replaced by the supplier.

No further representations /requests shall be entertained and the decision/ discretion of MPPKVVCL in this regard shall be final and binding on the supplier.

8. SECURITY DEPOSIT

Security deposit equal to 10% of value of the order placed against the tender shall be furnished by the bidder in the form of DD/B.G. only drawn on any scheduled Bank. The Bank Guarantee towards Security Deposit should be from a scheduled bank on stamps paper equal to 0.25% of the amount of BG subject to maximum of Rs. 25,000/- as per Gazette Notification of GoMP dtd 07.01.2015 with validity of minimum 42 months so as to cover the guarantee period of the material and also due and faithful execution in accordance with terms and conditions of the order.

No relaxations in submission of Security Deposit against the tender/order shall be granted.

The security deposit shall be deposited by the bidder within 30 days from the date of order. However, on request of the firm, purchaser may allow for deduction of security deposit from their first supply bill. In case amount of security deposit is higher than the first supply bill then remaining amount of security deposit shall be adjusted from the subsequent supply bill.

Payment against supply bill shall not be released without deposition of security deposit by the firm or allowed by the purchaser on request of firm for deduction of security deposit from their supply bills.

The facility of Permanent Security Deposit (PSD) shall not be considered against this tender and the bidders shall have to furnish the requisite Security Deposit as above.

- (i) Demand drafts should be in favour of Senior Account Officer (JC) MPPKVVCL, Jabalpur drawn on any Nationalized/scheduled bank at Jabalpur.
- (ii) The Bank Guarantee shall require to executed on a non-judicial stamps equal to 0.25% of the amount of BG subject to maximum rupees 25,000.
- (iii) SSI units registered with industries department of Madhya Pradesh (MP) shall require to pay security deposit for only 5% value of the order subject to maximum of Rs 20,000 in cash or DD. This concession is for such SSI units of MP who are doing business up to Rupees 50 Lakhs annually.
- (iv) The Purchaser shall adjust/forfeit the SD against liquidate damages on account of non-execution or part execution of the orders/poor performances of the supplier.
- (v) Security Deposit shall be returned to the supplier only after due and faithful performance of the order and on expiry of guarantee period provided there is no liability to be recovered against the purchase order placed on them.
- (vi) The purchaser at its discretion may reduce the amount of Security Deposit on prorata basis to the extent for the quantity for which performance guarantee is left.
- (vii) No interest shall be payable by the Purchaser on security deposit submitted by supplier.

(viii) As per SFMS platform the bank account detail of MPPKVVCL Jabalpur needed for preparation of BG is detailed below :-

- (a) Account Name :
- (b) Bank name : State Bank of India
- (c) Branch name : Nayagaon , Jabalpur
- (d) Branch address: Nayagaon, Rampur, Jabalpur
- (e) Account number :
- (f) IFSC Code :

9. PENALTY

In case of delay in execution of the order or non-execution of the order, the purchaser shall recover from the supplier, a sum equal to 0.5 % of the Ex-works price for the quantity not delivered to Stores for every week of delay. For the purpose of this clause part of a week shall be considered as full week. However, maximum penalty under this clause shall be restricted to 10% of the Ex-works value. This will be without prejudice to other remedies available to the purchaser as per the laws of India, or terms of this Tender. The GST shall also be applicable on the amount of penalty.

10. PENALTY FOR BREACH OF CONTRACT/PURCHASE ORDER

Breach of any Terms & Conditions which are included in the any section of the tender documents, or various schedules, annexure, enclosures, appendix etc. which are referred in these sections, shall be deemed as breach of this Purchase Order. In case of breach of this Purchase Order by the bidder / vendor, the Purchaser shall be entitled to forfeit the available security deposit and to dispatch & retain the same as damages and compensation for the said breach. This will be without prejudice to the right of the Purchaser to recover any further sums as damages, from any sums which are due or which may become due to the contractor by the Purchaser; or otherwise howsoever.

11. PERFORMANCE GUARANTEE

- (i) If during the course of **36 months** subsequent to the date of dispatch of consignment, any of the goods found to be defective in materials or workmanship or develops defects during service, they will have to be replaced / repaired by the suppliers free of all charges. All necessary arrangements on this account will be made by the suppliers.
- (ii) The said material if required to be replaced / repaired, shall be collected by the supplier from Area Stores at their own cost and at their own responsibility. These material will like-wise be returned duly repaired / replaced and tested subsequently by the supplier to the Area Stores on freight paid basis at their cost in a reasonable time of 90 days from the date of intimation by the Area Stores.
- (iii) Unit once failed within guarantee period and returned to Area Stores duly repaired free of charges, shall be guaranteed for a minimum of 12 months or un-expired guarantee period left as on the date of failure of the unit, whichever is later.
- (iv) In case unit is subsequently failed within 12 months and the total period of service given by the unit is more than 24 months but less than 36 months, then unit shall has to be repaired again free of charges, by the supplier. In case the unit further fails within 12 months of its last return duly repaired, then the unit shall be repaired again free of charges by the supplier but the guarantee for the repaired unit, in this case, shall be for the un-expired period out of 12 months.
- (v) The outage period i.e. period from the date of failure till unit is repaired, shall not be counted for arriving at the guarantee period of 36 months. The period of failure and repairs, thus, shall be excluded from the guaranteed service of 36 months.
- (vi) Further, it is clarified that all the charges towards carrying out repairs including packing / forwarding, loading / unloading shall be borne by the supplier. The amount deposited under security deposit clause shall also cover the performance guarantee of repaired / replaced units.
- (vii) In the event of the supplier's inability to adhere to the aforesaid provisions, suitable penal action will be taken against them which may inter-alia include debarring / black listing of the firm for future business with the Company for a certain period, as may be decided.

12. DEFECTIVE SUPPLIES

The following provisions of levy of penalty shall be applicable in case of replacement of WGP failed CTs :-

- (i) On return & receipt of WGP failed CTs in Area Stores, an **intimation** shall be given to the firm by the concerned EE(Stores) about the availability of the WGP failed CTs in Area Stores.
The lot of WGP failed CTs as intimated are to be replaced by the supplier free of all charges at the earliest but in any case within **two** months from the date of intimation by the EE(Stores). In case defective / failed CTs are not replaced and returned like-wise to the respective Area Stores within the prescribed period as above, the Discom-EZ shall recover the liquidated damages on account of non replacement of WGP failed CTs as detailed below:-
- (ii) In case the replacement of the intimated lot(s) of WGP failed CTs is not made within a period of **two** months from the date of issue of first intimation letter by the EE(Stores), penalty shall be recovered as agreed towards liquidated damages @ **0.5% of Ex-works price** of any CTs, not replaced/delivered per week or part thereof, subject to maximum of **5% of Ex-Works price**. If the supplier fails to replace the WGP failed CTs within **Four & Half months** from the date of issue of first intimation letter, then the EE(Stores) of Area Stores at its option will take action as detailed below:-
- (iii) **If the WGP failed CTs are lying with the firm/at Area Stores:-**
In case,
 - a. the lot(s) of WGP failed CTs as collected by the supplier from the respective Area Stores are not replaced & returned within the stipulated period of two months as stated above,
and / or
 - b. On intimation given by the EE(Stores) and expiry of above mentioned two months period for collection/replacement of WGP CTs, if the supplier fails to lift & replace the available lot(s) of WGP failed CTs from Area Stores,

The MPPKVCL shall recover from the supplier the cost of such WGP failed CTs, inclusive of all taxes, duties, freight paid etc. for the CTs which are lying with the firm or at the Area Stores.

13. STAGE/ FINAL INSPECTION:

- (i) To ensure about the quality of CTs, the inspection shall be carried out by the Discom-EZ's representative at the finished stage i.e. CTs are fully assembled and are ready for dispatch.
- (ii) The firm shall intimate the O/o CGM (Purchase), MPPKVCL Jabalpur in this regard, so that an officer for carrying out pre dispatch inspection could be deputed. During the inspection, Inspecting officer shall verify that the material and size of the important component used of good quality and as per TS and relevant IS requirement. **One no. CT of each rating against the offered lot shall be dismantled to ensure that material and sizes of all the important components used are of good quality and as per TS and relevant IS requirement.** The routine test as per relevant ISS shall be conducted at firm's works, which shall be witness by the inspecting officer.
In case, the materials and sizes of all the important components used are not found to be of good quality and as per TS and relevant IS requirement, the lot shall be rejected and the firm shall have to re-offer the lot, which shall be accepted in the similar manner as above.
- (iii) No material shall be dispatched from the point of manufacture unless the material has been satisfactorily inspected, tested and after issue of dispatch instructions.
- (iv) The acceptance of any quantity of the equipment shall in no way relieve the successful bidder of his responsibility for meeting all the requirement of this specification and shall not prevent subsequent rejection if such equipment are later found to be defective.
- (v) The MPPKVCL at its discretion may consider to waive off the pre-dispatch inspection of the lot(s), in case of urgency.

14. VARIATION IN THE ORDERED QUANTITY

A tolerance in the ordered quantity will be allowed to the extent of $\pm 2\%$ (plus minus two percent) and not for each consignment. MRCs shall be issued for actual receipt of quantity only.

15. RANDOM TESTING:

- 15.1. Inspection of material before dispatch or waiver of inspection will not relieve the supplier from his responsibility to supply the material strictly in accordance with the specification. The Purchaser shall have option to test the samples selected at random from the supplies affected and subject it to routine/ type test as per relevant ISS and Technical specifications.
- 15.2. In case, the samples fail to withstand the required test, the entire lot will be liable to be rejected (i.e. unused material so supplied) and the supplier will have to refund the amount paid, including all taxes , as well as the test charges thereof, after inspection. Such quantities or rejected material as identified, shall be removed by the supplier and replaced in full at his own cost. Purchaser will not be responsible for levy of taxes on such rejected material and deduction shall be in totality.
- 15.3. In case of random checking of the supplies, if any deviation is noticed, a notice shall be given to the supplier, who shall arrange to depute his representative within 15 days for joint inspection. If during joint inspection any deviation is observed and material supplied is found not conforming to standards laid down in the relevant ISS, the Purchaser reserves the right to impose any appropriate penalty for full quantity of material supplied against the order. The decision of the Purchaser in this respect shall be final and binding on the supplier.
- 15.4. Purchaser is developing an in-house State of Art testing facility to test 100% material received at Area store. After development of this facility 100% material will be tested in-house by purchaser.

**Chief General Manager (S&P)
M.P.P.K.V.V.Co.Ltd., Jabalpur**

ANNEXURE-V

TECHNICAL SPECIFICATION OF 11KV AND 33KV CURRENT TRANSFORMERS

1 SCOPE:-

This specification covers design, manufacturing, testing, and inspection during manufacturing and before dispatch at manufacturer's works of 11& 33KV Outdoor Single Phase Epoxy Cast/Tape(or paper) Insulated oil cooled Current Transformers for relaying and metering purpose for 11&33KV solidly grounded system complete with Bimetallic Terminal Connectors.

2 GENERAL REQUIREMENT:-

- 2.1 The 11&33 KV current transformers shall be of outdoor type, single phase, epoxy cast/ Tape (or paper) Insulated ,oil cooled dead tank design .These CTs shall also be suitable for operation in humid atmosphere and in the tropical direct sunlight with temperature up to 50°C.
- 2.2 The above 11 KV and 33 KV CTs meant for outdoor application should be suitable for use in areas prone to heavy lightning strokes. The CTs should be suitable for satisfactory operation under all types of adverse climatic conditions, prevailing in the State of M.P.
- 2.3 Further, the above CTs are required to be mounted on a cantilever support provided on out door structure of circuit breaker in the switchyard. The CTs will therefore, have suitable mounting holes in the base channel, for clamping on the structure. This specification does not cover supply of mounting structures for the CTs, which are being arranged by the purchaser along with the CBs structure, separately with breakers.
- 2.4 The offered CTs will be dead tank design. Live tank designs CTs are not acceptable.
- 2.5 The current transformers shall have the following specifications: -

SN	Particulars	11 KV		33 KV	
i	Nominal system voltage	11 KV		33 KV	
ii	Highest system voltage	12 KV		36 KV	
iii	Insulation level	28/75 KV		70 /170 KV	
iv	Short circuit level	250 MVA		1000 MVA	
v	Minimum Creepage, distance	300 mm		900mm	
vi	Current Ratio	200-100/5-5 or 300-150/5-5 or 600-300/5-5A for line or Transformer		200-100/5-5 or 400-200/5-5 or 300-150/5-5 for line or Transformer	
vii	Cores	Core-I Protection	Core-II Metering	Core-I Protection	Core-II Metering
viii	Rated output in VA	15	10	30	30
ix	Accuracy class	10P10	0.5	5P10	0.5
x	Rated secondary current	5 Amps			
xi	Tank sheet thickness	Minimum 3 mm			
xii	System Earthing	Effectively grounded			
xiii	Frequency	50 cycles			

3 DESIGN:-

As stated above, the 11KV& 33KV CTs shall be of epoxy cast / Tape (or paper) Insulated oil cooled type housed in steel tank. The steel tank thickness for both 11 KV and 33 KV CTs shall not be less than 3mm. Welded joints have to be minimized to avoid possibility of oil leakage in CTs. In any case welding in horizontal plane shall be avoided. The top tank cover plate shall be overlapped to tank flange by 10 mm and inclined downward in all sides to avoid the rain water entry in the tank.

Adequate slop shall be provided on top of the tank to avoid collection of rain water. Besides marking on the name plate, serial number and make shall be additionally engraved on the sides of the CT Units.

4 STANDARDS:-

The current transformers shall fully comply with the latest issue of Indian Standard 2705 (Part-I, II, III & IV) with latest amendment thereof up to the date of issue of this tender.

5 DESIGN AND MANUFACTURING REQUIREMENT:-

- 5.1 The 11& 33 KV current transformers shall be outdoor single phase, epoxy cast/Tape (or paper) Insulated oil cooled type, suitable for the services indicated, complete in all respect conforming to the modern practices of design and manufacturing.

- 5.2 The core shall be of high grade, non-ageing electrical silicon laminated steel of low hysteresis loss and high permeability to ensure high accuracy at both normal and with 25 % over load current.
- 5.3 The current transformers shall be properly sealed to eliminate and prevent entry of air and moisture in the tank. For gasketed joints, wherever used, **joint less nitrite butyl rubber gaskets**, neoprene or any other improved material shall be used. The gasket shall be fitted in properly with adequate space for accommodating the gasket under compression. The bidder has to submit complete details, drawings of gaskets for 11& 33 KV CTs, which they have provided between joints and the gasket shall be durable and of proper quality to avoid leakage of oil used for mounting oil level indicator.
- 5.4 The CTs shall be provided with a pressure-relieving device of preferably of size 32mm, 0.5 Kg/sq.cm. and an explosion vent with diaphragm having a rupture pressure of 0.98 Kg/sq.cm. at suitable places with proper clearances capable of releasing abnormal internal pressures. Design and arrangement of mounting of pressure release device and adequate size of oil level gauge should clearly be indicated in drawing.
- 5.5 The maximum temperature attained by any part of the equipment, when in service, under continuous full load conditions and exposed to direct sun rays, shall not exceed 45 degree centigrade above ambient temperature of 50 °C reached in summer.
- 5.6 The primary winding, terminals, terminal connectors clamps etc. are required to be designed considering the continuous over loading of 25 percent. For continuous over loading, the ratio and phase angle error shall be maintained within the specified limit as per relevant ISS.
- 5.7 The primary terminal to winding joints shall be made by using silver brazing with hydraulically crimp.

6 WINDINGS:-

- 6.1 Current transformer's **First cores to be used for protective relaying** purposes shall be of accuracy class specified or appropriate class suitable for over current protection. The cores shall be designed for a minimum saturation factor of 10 for the highest setting. The magnetization curves for these cores shall be furnished along with the drawings of CTs. The primary winding of CT shall be of Copper.
- 6.2 The current transformer's **Second core to be used for metering** and instrument shall be of accuracy class 0.5 specified in Clause 2.5(ix) above. The primary winding shall be designed considering **current density not exceeding 2.2 Amps/Sq.mm.** The saturation factor of this core shall be low enough not to cause any damage to measuring instruments in the event of maximum short circuit current. The primary winding of CT shall be of Copper.
- 6.3 **The winding should be placed inside the transformer tank at-least 25mm above the tank floor to protect it, as far as possible, from the moisture(water) that may gradually accumulate at the bottom over a period of time.**
- 6.4 The rating of the secondary windings shall be 5 Amp for secondary connections, threaded studs terminal shall be provided and brought out in a compartment on one side of current transformer for easy access. Further, the secondary terminals shall be provided with short-circuiting arrangement. The secondary taps shall be adequately re-enforced to withstand normal handling without damage.
- 6.5 Secondary terminal studs shall be provided with at least three nuts and adequate plain and spring washers for fixing the leads. The studs, nuts and washers shall be brass nickel plated. The minimum outside diameter of the studs should not be less than 6 mm. The length of at least 15 mm shall be available on the stud for inserting the leads.
- 6.6 The secondary terminals shall be invariably marked as follows:
 - (i) 1S₁ and 1S₂ for protection core
 - (ii) 2S₁ and 2S₂ for metering core
- 6.7 **The CTs secondary terminals shall be brought out to a suitable weather proof sheet metal terminal box on side wall of the tank adjacent to the primary outgoing (P2) terminal for termination of multi-core cables.** The terminal box shall be provided with one cable gland for each core, which shall be suitable for 4 core 1100 Volt grade PVC/XLPE Insulated 2.5 sq.mm. Copper control cable. The dimension of terminal box and its opening shall be adequate to enable easy access and working space with use of normal tools. The outer cover of the secondary terminal box shall have proper arrangement of sealing.

7 INSULATION:-

- 7.1 The insulating oil filling in each CT shall be in the scope of supplier. Best quality of new EHV Grade Transformer Oil should be used with the equipment with minimum BDV of 70 KV. The test certificate of the transformer oil shall be produced at the time of inspection. The oil shall comply in all respect with the latest version of IS-335:1983.
- 7.2 The CTs shall be single phase, multi core, and separately mounted, freestanding, type for outdoor installation.

- 7.3 All porcelain insulators shall be prepared from wet process porcelain with arrangement for hermetically sealing of the metallic tank containing the core and the secondary winding.
- 7.4 Adequate insulation shall be provided on primary winding to achieve maximum dielectric strength. Also adequate clearances shall be provided between the primary conductor and the metal body.
- 7.5 The terminals of primary and secondary winding shall be clearly marked according to relevant standards.

8 INSULATION WITH STAND CHARACTERISTICS:-

8.1 Insulation withstand characteristics of 11 & 33 KV CTs shall be as per IS:2705 as shown in the table below :-

Nominal system voltage	Highest system voltage	Power frequency withstand Voltage (for 1 minute)	Lightning Impulse withstand Voltage (for 1 minute)
11 KV (rms)	12 KV(rms)	28 KV(rms)	75 KV (peak)
33 KV (rms)	36 KV(rms)	70 KV(rms)	170 KV (peak)

- 8.2 The exterior of the CTs tank shall be thoroughly cleaned, scraped and giving a primary coat and two coats of durable oil and weather resisting enamel paint or hot dip galvanized. All steel bolts, nuts and fasteners exposed to atmosphere, shall be hot dip galvanized conforming to IS: 2633.
- 8.3 Change in CTs ratio will be obtained by providing tapings in the secondary windings, while the primary will have only one winding.
- 8.4 The CTs are required for outdoor application fitted with outdoor type porcelain bushings. Compound filled bushings are not acceptable. The CTs will be dead tank design. Live tank designs CTs are not acceptable.

9 TYPE OF MOUNTING:-

The CTs shall be mounted on CT bracket, provided on Circuit Breaker’s structure. Suitable sized MS channel/angles welded to the bottom of the tank must be provided for facilitating mounting of the CTs. The mounting holes shall be of 16 mm dia at a distance of 240x240 mm on foundation channel of 33 & 11 KV CTs.

10 TERMINAL CONNECTORS:-

10.1 The terminals of primary and secondary winding shall be clearly marked according to relevant standards and shall conform to latest version of IS:5561 or equivalent International Standard. In respect of the terminal connector following shall be ensured:-

- (a) The primary terminals of 11 & 33 KV, CTs for transformer and line protection shall be of non-ferrous corrosion-proof material and shall be provided with suitable **pad type terminals connectors** to receive Panther/Dog Conductor.

Sr. No.	Ratio	Type of Bi-Metallic Connector
1.	11KV 200-100/5-5A	Suitable for Dog Conductor (grove 14.16 mm. dia.)
2.	33KV 200-100/5-5A	Suitable for Dog Conductor (grove 14.16 mm. dia.)
3.	11KV 300-150/5-5A	Suitable for Panther Conductor (grove 21 mm. dia.)
4.	33 KV 300-150/5-5A	Suitable for Panther Conductor (grove 21 mm. dia.)
5.	11KV 600-300/5-5A	Suitable for Panther Conductor (grove 21 mm. dia.)
6.	33KV 400-200/5-5A	Suitable for Panther Conductor (grove 21 mm. dia.)

10.2 All above terminal clamps shall be designed adequately to take care of any bimetallic effect. Terminal connectors shall be tested for short circuit current capability, and temperature rise. The terminal connector shall also meet the following requirements :-

- a) Terminal connectors shall be manufactured by pressure die casting & tested as per IS:5561.
- b) All castings shall be free from blow-holes, surface blisters, cracks and cavities. All sharp edges and corners shall be blurred and rounded off.
- c) **No part of the clamp shall be less than 12 mm thick.**
- d) The nuts, bolts & washers used in the current path shall be hot dipped galvanized
- e) The bimetallic strips/ sleeve liner of minimum thickness of 2 mm shall be made by electroplating process.
- f) All current carrying parts shall be designed and manufactured to have minimum contact resistance.
- g) Size of terminal connector for which the clamp is designed and also rated current under site conditions shall be embossed/ punched on each part of clamps, except hardware.
- h) The conductor shall be tightened by at-least **six bolts of 8/10mm diameter**. Conductor hold length must not be less than 100 mm.

- i) The surface of clamps to be tightened by the bolts should be flat in shape, so that it may be possible to open the nuts and bolts by normal spanners. Therefore, any type of groove in the clamp body for fixing of nuts should be avoided.
- j) The portion of clamp to hold the conductor should be flat and straight and not zig-zag in construction, at both the sides, so that heating of clamp by throttling action of current may be avoided.
- k) Space of at least 50% of diameter of nuts should be available after each hole at both the sides of conductor holding portion for better mechanical strength.
- l) Examples drawings of Bi-Metallic Terminal Connector is Annexed with this technical specification requirement.

10.3 The Tank of each CT shall be provided with two separate **GI** earthing terminals, which shall have **non painted** surface for making bolted connection to **50x10 mm**. MS flat to be provided by the purchaser for connection to station earth mat. Suitable drawing should be submitted with the bid.

11 STUDS:-

The stud provided on the primary should invariably be made of brass which is tough and durable. Stud should have adequate cross section/diameter for carrying the rated primary current, as well as the rated short time current. The minimum required diameter of the brass studs are –

S.No.	Current Rating	Diameter of Primary stud (Min)
1.	200-100/5-5A	16 mm.
2.	300-150/5-5A	20 mm.
3.	400-200/5-5A	20 mm.
4.	600-300/5-5A	22.5 mm.

The length of the primary studs available for clamping the terminals shall not be less than 50 mm. Minimum 2 nuts with a check nut and washer should be provided on upper side of stud.

12 BUSHING:-

The basic insulation level of the bushing shall be as specified and porcelain shall be homogenous and free from cavities and other flaws. This shall be so designed as to have ample insulation and mechanical strength. All insulators of identical ratings shall be inter-changeable. Only type tested insulators shall be provided in the CTs. The bidder is required to furnish type test reports of all bushings along with the Bid.

13 TESTS:-

(I) Short time current ratings:-

The out door type CTs shall comply with the following requirements in respect of short time current ratings:-

(a) Thermal Ratings :-

Short time thermal current rating assigned to the CTs for the rated time of 1 second shall be 13.1kA for 11 kV and 18.4kA for 33 kV CTs

(b) Dynamic Rating :-

Peak value of the rated dynamic current which CTs can withstand without being damaged electrically or mechanically with the secondary winding short circuited shall not be less than 2.5 times the rated short time thermal current.

(II)Temperature Rise :-

Temperature rise of the CTs of outdoor type when carrying a primary current equal to continuous thermal current, at a rated frequency and at a rated burden, shall not exceed 45°C above ambient.

14 TESTS:-

(A) TYPE TEST:-

The CTs shall be fully type tested for the following tests as per IS-2705/1992 with latest amendment thereof from Independent NABL accredited. Laboratory and the type test certificates of CT with type tested drawings duly sealed and signed by the Testing Authority should be submitted invariably with the offer.

- a) Short time current tests.
- b) Temperature rise test.
- c) Lightning Impulse Voltage withstand test.
- d) High voltage Power Frequency wet withstand voltage tests
- e) Determination of errors according to the requirements of the appropriate accuracy class.

(B) ROUTINE TESTS:-

Each CT shall be subjected to following routine tests as per IS:2705 at the manufacturer works and test reports in duplicate giving results of these tests shall be submitted for purchaser's approval before dispatch of the equipment. Further, above test results shall be witnessed at the manufacturer works, if so desired by the purchaser, prior to dispatch of the CTs:-

- a) Verification of terminal markings and polarity.
- b) Power frequency dry withstand tests on primary windings
- c) Power frequency dry withstand tests on sec. windings
- d) Over-Voltage inter-turn test
- e) Determination of errors according to the requirements of the appropriate accuracy class
- f) Pressure test on one CTs tank of the offered lot as per relevant IS (pressure rating 1.0 Kg/Sq. cm. for 30 minute).

15 In case of any change in design/ type of CTs already type tested and are offered against this specification, the purchaser reserves the right to demand repetition of some or all the tests at any NABL approved Laboratory without any extra-cost.

16 RATING & CONNECTION DIAGRAM PLATE:-

The CT shall be provided with a rating plate with dimensions and marking as per the latest version of IS:2705/IEC-185. The marking shall be punched/ engraved and not painted. This rating plate shall also contain purchaser's order no. & date, month & year of dispatch, **guarantee period of 36 months** and manufacturer's phone numbers.

**Chief General Manager (S&P)
M.P.P.K.V.V.Co.Ltd., Jabalpur**

ANNEXURE – VI PRICE VARIATION

PRICE VARIATION FORMULA FOR INSTRUMENT TRANSFORMERS BELOW 72.5 KV

(Current and Potential Transformers designed for operation on system voltage below 72.5 KV)

The price quoted/ confirmed is based on the cost of raw materials/ components and labour cost as on the date of quotation and the same is deemed to be related to prices of raw materials/ components and all India average consumer price index number for industrial workers as specified in the price variation clause given below. In case of any variation in these prices and Index number, the price payable shall be subject to adjustment up or down in accordance with the following formula :-

$$P = \frac{P_o}{100} \left\{ 20 + 3 \frac{AL}{AL_o} + 21 \frac{C}{C_o} + 8 \frac{ES}{ES_o} + 13 \frac{FE}{FE_o} + 10 \frac{IN}{IN_o} + 4 \frac{ER}{ER_o} + 5 \frac{TO}{TO_o} + 16 \frac{W}{W_o} \right\}$$

Wherein,

P = Price payable as adjusted in accordance with above formula.

P_o = Price quoted/ confirmed

AL_o = Price of LME CSP Average of Aluminum (refer notes)

This price is as applicable on the 1st working day, one months prior to the date of tendering.

C_o = Average LME settlement price of copper wire bars (refer notes).

This price is as applicable for the month, one month prior to the date of tendering.

ES_o = Price of CRGO Electrical Steel Sheets (refer note)

This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

FE_o = Wholesale price index number for Manufacturer of Basic Metals' (Base: 2011-12 = 100) (refer notes)

This index number is as applicable for the month, three months prior of the date of tendering.

IN_o = Whole sale price index of Insulator (refer notes)

This index number is as applicable for the month, three months prior of the date of tendering.

ER_o = Price of Epoxy Resin (refer notes).

This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

TO_o = Price of Transformer Oil (refer notes).

This price is as applicable on the 1st working day of the month, one months prior to the date of tendering.

W_o = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base 2016=100).

This index number is as applicable on the 1st working day of the month, three months prior to the date of tendering.

For example, if the date of tendering falls in April 2021, applicable prices of Aluminum (AL_o), Copper (C_o), CRGO (ES_o), Epoxy Resin material (ER_o), Transformer Oil (TO_o) should be as on March 2021 and wholesale price index number for "Manufacture of Basic Metals", Whole sale price index of "Insulator" and all India average consumer price index no. (W_o) should be for the month of January 2021.

The above prices and indices are as published by IEEMA vide circular reference number IEEMA(PVC)/CTPT(R-1)/___/___ One month prior to the date of tendering.

AL = Price of LME CSP Average of Aluminum (refer notes)

This price is as applicable on the 1st working day of the month, one month prior to the date of delivery.

C = Average LME settlement price of copper wire bars (refer notes).

This price is as applicable for the month, one month prior to the date of delivery.

ES = Price of CRGO Electrical Steel Lamination (refer note)

This price is as applicable on the 1st working day of the month, one month prior to the date of delivery.

FE = Wholesale price index number for Manufacturer of Basic Metals' (Base: 2011-12 = 100) (refer notes)

This index number is as applicable for the month, three months prior of the date of delivery.

IN= Whole sale price index of Insulator (Base: 2011-12 = 100) (refer notes)

This index number is as applicable for the month, three months prior of the date of delivery.

ER = Price of Epoxy Resin (refer notes).

This price is as applicable on the 1st working day of the month, one month prior to the date of delivery.

TO = Price of Transformer Oil (refer notes).

This price is as applicable on the 1st working day of the month, one month prior to the date of delivery.

W = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base 2016=100).

This index number is as applicable on the 1st working day of the month, three months prior to the date of delivery.

For example, if the date of delivery in terms of clause given below falls in December 2021, the applicable prices of Aluminum (AL), Copper (C), CRGO (ES), Epoxy Resin (ER), Transformer Oil (TO) should be as on November 2021 and Wholesale price index number of 'Manufacture of Basic Metal', Whole sale price index of 'Insulator' and all India average consumer price index number (W) should be for the month of September 2021.

The above prices and indices are as published by IEEMA vide circular reference number IEEMA(PVC)/CTPT(R-1)/__/_ One month prior to the date of delivery.

The "date of delivery" is the date on which the Instrument Transformer is notified as being ready for inspection/dispatch (in the absence of such notification the date of manufacturer's dispatch note is to be considered as the date of delivery) or the contracted delivery date (including any agreed extension thereto), whichever is earlier.

Notes: (a) All prices of raw materials are exclusive of GST/any other taxes etc. Instrument transformer manufacturers import major raw material like Copper, CRGO Electrical Steel Sheets and TOBS etc. The landed cost of these imported raw material includes applicable custom duty exclusive of modvatable CVD.

(b) All prices are as on first working day of the month.

**Chief General Manager (S&P)
M.P.P.K.V.V.Co.Ltd., Jabalpur**

PART-2

**Schedule-I –Price & Quantity Schedule
TO BE FILED ONLINE IN COVER- C**

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	TEXT	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Unit Exwork Price In Figures To be entered by the Bidder in Rs. P	Unit Freight Charges, Forwarding & Insurance Charge Rs. P	HSN Code	Offered Quantity	Firm Status	UNIT CGST % (on Exworks+ Freight)	UNIT SGST % (on Exworks+ Freight)	UNIT GST (CGST+SGST) AMOUNT (on Exworks+ Freight)	IGST % (on Exworks+ Freight)	IGST AMOUNT (on Exworks+ Freight)	TOTAL	TOTAL AMOUNT excluding taxes in Rs. P	TOTAL AMOUNT including taxes in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	11 KV outdoor Single Phase, Epoxy Cast / Tape (or Paper) insulated, Oil Cooled dead tank Current Transformer conforming to IS:2705 and as per Technical Specification attached with Terminal Clamps																
1.01	200-100/5/5Amps.	1000	Nos								0.00		0.00	0.00	0.00	0.00	INR Zero Only
1.02	300-150/5-5Amps.	2602	Nos								0.00		0.00	0.00	0.00	0.00	INR Zero Only
1.03	600-300/5-5Amps.	618	Nos								0.00		0.00	0.00	0.00	0.00	INR Zero Only
2	33 KV outdoor Single Phase, Epoxy Cast / Tape (or Paper) insulated, Oil Cooled dead tank Current Transformer conforming to IS:2705 and as per Technical Specification attached with Terminal Clamps																
2.01	200-100/5/5Amps.	574	Nos								0.00		0.00	0.00	0.00	0.00	INR Zero Only
2.02	300-150/5-5Amps.	520	Nos								0.00		0.00	0.00	0.00	0.00	INR Zero Only
2.03	400-200/5-5Amps.	400	Nos								0.00		0.00	0.00	0.00	0.00	INR Zero Only
Total in Figures															0.00	0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only																

NOTE

1. GST Registration Number of Bidder -(Enclose copy of Registration Certificate).
2. GST Registration Number of Madhya Pradesh Poorva Kshetra Vidyut Vitran Company limited is 23AADCM6175E2ZM.
3. The bidder shall fill value of GST as applicable.
4. The prices are to be filled in strictly in this format only.
5. Responsibility of any lack of clarity leading to confusion will rest with bidders.
6. Rates in various tapering steps shall not be considered.

SCHEDULE – II (Undertaking)

The following declaration/Undertaking must be submitted by all the bidders on non-judicial stamp paper worth Rs.500/- duly notarized

I proprietor / partner / Director / Authorized Signatory of M/s..... having its Registered Office/Head Office at Give an undertaking ;

1. That, M/s have participated against TS No. due for opening on For supply of
2. That, I have gone through the tender document and aware with all the requirement of the tender specification.
3. That, the profile of M/s is as under:-
 - (a) Address of factory/works-
 - (b) GST Registration No. of the firm -.....
 - (c) PAN No. of the firm -
 - (d) Entrepreneurs Memorandum Number (If registered under MSMED Act 2006) –
 - (e) E-mail address of the firm -
 - (f) Mobile No. -.....
 - (g) Name & Branch address of bidder banker -
 - (h) Bank Account of the firm -
 - (i) IFSC Code of the branch for RTGS -

4. That the details of owner / partners / Directors (in case of Company) of the bidding firm is as under:-

Sr. No.	Name of Owner / Partners / Directors	Address of Owner / Partners / Directors	Mobile Numbers of Owner/Partners/Directors	PAN Number of Owner / Partners / Directors

5. That I/We undertake that we have participated in the tender as _____ (New / Regular bidder, whichever is applicable).
6. That as against tendered quantity the bidding firm have submitted their bid for Nos. (indicated quoted quantity)
7. That I/We confirm that there is no deviation with the commercial terms & conditions and technical requirement of the Tender Specification.
8. That the bidding firm M/s..... have supplied following items to the different SEBs/ DISCOMs/Power Utilities or through their Turnkey Contractors in any state of country in past 60 months from the date of opening of tender :-

S N	Period of supply	Name of item	Name and address of purchaser	PO No. and date	Qty. under order	Qty. supplied
1	2	3	4	5	6	7

(No. of rows may be inserted as require)

9. That, the information given by us as above is true and correct and the same has been extracted from the relevant POs/Invoice/MRCs/Receipted Delivery Challan maintained by the firm.
10. That the MPPKVCL will have full right to cancel the order, if awarded and forfeit the EMD / Performance SD as applicable in event if finds that the information given at Sl. No. 8 is misleading or false, even at a later date i.e. after opening of Price Bid/Award of Order.

11. Regarding Black-listing / Debarring:-

I/We hereby undertake and submit a declaration that the bidding firm/company is not debarred/ black listed for future business with any of the Discoms of M.P.

In case, at any stage it the above declaration is found false or incorrect the Purchaser shall be free to take any punitive/legal action against the bidding firm as may be deemed fit which shall be acceptable/binding on the bidding firm and the consequences shall be to their account.

12. Regarding Conflicting Interest:-

I/We _____ Sole Proprietor / Partner / Director/authorized signatory of M/s _____ undertake that the bidding firm do not have conflict of interest with any other parties in this bidding process as per provision of Clause-2, Annexure-II of the tender.

13. Regarding serving or retired officer(s) or employee(s) of the Discoms of M.P.:-

We confirm that no Serving Officer(s) or employee(s) of the MP Discom is/are Proprietor/Partner(s)/Director(s) of the firm/company or having controlling shares or has controlling interest in the firm. It is also confirmed that no Proprietor/Partner(s)/Director(s) of the firm/company has any close relationship (spouse, son, daughter, father, mother or brother) with any serving Officer(s) or Employee(s) of the MP Discom.

Further, the MPPKVCL., Jabalpur will have full right to cancel the Purchase Order, if awarded and forfeit the EMD/Bid Security & Performance Guarantee as applicable in the event of the above condition/situation is observed, even at a later date i.e. after opening of Price Bid/award of Purchase Order.

14. Regarding Information / details given:-

I/We,....., the Sole proprietor / partner / Director authorized signatory of M/s....., participating in the bidding process against tender No..... undertake that I am not interested as a proprietor and/or partner/Director in any other firm participated in the tender for procurement of....., and specifically undertake that the bidding firm/Company:-

- (i) Not follow & shall not follow unethical/unfair/fraudulent practice in any manner.
- (ii) Has no conflict of interest with any bidder/firm participating in the tender.
- (iii) Not concealing any material information.
- (iv) Not given any misleading fact or statement in the offer/bid submitted against the tender.
- (v) Has not been debarred/blacklisted for future business with Purchaser/other Discom of MP.

15. Acceptance of Terms & Conditions of Tender: -

- a) I/We have downloaded / obtained the tender document(s) for the above mentioned „ Tender/Work“ from the web site(s) namely.....as per your advertisement, given in the above mentioned website(s).
- b) I/We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. ___ to ___(including all documents like annexure(s), schedule(s), etc., which forms part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
- c) The corrigendum(s) issued from time to time by your department/ organization too have also been taken into consideration, while submitting this acceptance letter.
- d) I/We hereby unconditionally accept the tender conditions of above mentioned tender document(s)/ corrigendum(s) in its totality / entirety **(including Reverse Auction)**.

Further, the MPPKVCL, Jabalpur will have full right to cancel the order, if awarded and forfeit the EMD/Bid Security & Performance Security Deposit as applicable in the event of the above condition/situation is observed, even at a later date i.e. after opening of Price Bid / award of order.

Note: The undertaking should be given by the proprietor / Partner/ Director/ Authorized signatory of the Company.

PLACE:

SIGNATURE OF TENDERER
NAME IN FULL
DESIGNATION/ STATUS IN THE FIRM
COMPANY SEAL

DATE

SCHEDULE-III

**ON THE LETTER HEAD OF THE CHARTERED ACCOUNTANT FIRM
CERTIFICATE
TO WHOM SO EVER IT MAY CONCERN**

This is to certify that “M/s _____” PAN: _____ GSTIN: _____
having its registered / Head office at _____ (hereinafter referred to as Firm) have
participated in the Tender No. _____ of MPPKVVCL, Jabalpur.

In Terms of Clause _____ of the Tender Conditions the Financial Particulars of the Entity
participating in the above said tender are as follows” (all the Figures are in Rs.)

- a) Since the NIT of the Tender has issued on and hence for the Financial Criteria the latest
Financial Year is
- b) Total ANNUAL TURNOVER of the Entity for the last five financial years is Rs. _____ :
- c) Annual turnover of the entity for the last financial year is Rs _____
- d) WORKING CAPITAL of the Entity as per the Balance Sheet for the last financial year / bank
utilization certificate-Fund Based (not more than 30 days from the date of opening of tender) is
Rs _____ .
- e) The firm fulfill the financial criteria as required under Clause-1.2, Annexure-II of the tender.
- f) The above said information is true and correct to the best of my knowledge and belief and the
Information has been extracted from the Books of Accounts maintained by the entity.

I am aware that the Company (MPPKVVCL, Jabalpur) is relaying this certificate as a valid proof
of Financial Capability of the Company.

For, _____
Chartered Accountant Firm,
FRN No. _____

CA. _____
(Designation _____)

M. No. _____
UDIN No. _____

Date : _____
Place: _____

Signature and Seal of Tenderer

Note:

- (i) *The document should be signed by the proprietor / Partner/ Director/ Authorized signatory of
the Company.*
- (ii) *The information given at (b), (c) & (d) above must appear in the website of the Institute of
Chartered Account against the UDIN Number as given above.*

SCHEDULE-IV

**GUARANTEED TECHNICAL PARTICULARS OF
11 KV AND 33KV CURRENT TRANSFORMERS**

S.N.	Particulars	11 KV			33KV		
		200-100/ 5-5A	300-150/ 5-5A	600-300/ 5-5A	200-100/ 5-5A	300-150/ 5-5A	400-200/ 5-5A
1	Manufacturer's name & place of manufacturing						
2	Manufacturer's type designation of CT						
3	Rated Voltage (KV)	11KV			33KV		
4	Rated Primary Current (Amps)						
5	Cores	Core-I Protection		Core-II Metering	Core-I Protection		Core-II Metering
(i)	Rated output in VA	15		10	30		30
(ii)	Accuracy class	10P10		0.5	5P10		0.5
6	Rated Secondary Current (Amp)	5Amp			5Amp		
7	Short time thermal current for 1 sec. (KA)	13.1 KA			18.4 KA		
8	Rated Dynamic Current (KAp)						
9	Frequency (Hz)						
10	Insulation level (KV/KVp)	28/75 KVp			70/170 KVp		
11	Number of cores	2			2		
12	Epoxy composition, if epoxy casted						
	(i) Resin:-						
	(a) Make						
	(b) Type						
	I Ratio, process of making (Hot or Cold)						
	(ii) Filler:-						
	(a) Make						
	(b) Type						
	I Ratio process of making (Hot or Cold)						
	(iii) Hardener:-						
	(a) Make						
	(b) Type						
	I Ratio process of making (Hot or Cold)						
13	(A) Protection Core:-						
	(i) Rated Burden						
	(ii) Class of accuracy						
	(iii) ALF						
	(B) Metering Core :-						
	(i) Rated Burden						
	(ii) Class of accuracy						
	(iii) ISF						
	(iv) Knee point voltage(Min)						
	(v) Secondary limiting EMF						
	(a) Lower Ratio						
	(b) Higher Ratio						
	(vi) Composite error						
	(a) Lower Ratio						

S.N.	Particulars	11 KV			33KV		
		200-100/ 5-5A	300-150/ 5-5A	600-300/ 5-5A	200-100/ 5-5A	300-150/ 5-5A	400-200/ 5-5A
	(b) Higher Ratio						
	(vii) Exciting current (A)						
	(a) Lower Ratio						
	(b) Higher Ratio						
	(viii) Secondary Winding resistance at 75 °C						
	(a) Lower Ratio						
	(b) Higher Ratio						
14	No. of secondary turns/cross section						
15	No. of primary turns/cross section						
16	Winding material:-						
	(i) Primary Copper						
	(ii) Secondary Copper						
17	Rated continuous current						
18	Class of insulation						
19	Thickness of sheet steel enclosure of CT (mm)						
20	Weight of CT after epoxy molding (Kg)						
21	Gasket used	5mm (min.) Jointless		5mm (min.) Jointless			
22	Weight/Qty. of oil used (Ltr)						
23	Total weight of CT with enclosure, bushing, oil (as applicable) etc. (Kg)						
24	Dimensions of CT:-						
	(a) Length						
	(b) Width						
	© Height						
25	Size of base channel						
26	Vertical height between bottom of the terminal to the base of the mounting plate						
27	Provision of 2 nos. Bimetallic Terminal connector suitable for ACSR Conductor	Panther	Panther	Dog	Panther		
28	Size of Primary studs	20 mm	22.5 mm	16 mm	20 mm		
29	Size of Secondary studs	6mm	6mm	6mm	6mm		
30	Make of HV bushing & its creepage distance						
31	PRV & Explosion vent size and details						

PLACE:

SIGNATURE OF TENDERER

NAME IN FULL

DATE

DESIGNATION/ STATUS IN THE FIRM

COMPANY SEAL

SCHEDULE- V (A)

APPLICABILITY OF TYPE TEST REPORTS For 11 KV CTs

1. STC TEST REPORT:

DETAILS OF TESTED CT								DETAILS OF OFFERED CT						
Sl. No.	Name of Lab & Test Report No.	Drg. No.	STC KA/s	Prim. Turn & Area in mm ²	I ² t (KA) ² s	Dyn. Peak KAT _p	STC Density A/mm ² /s	Item No.	Drg. No.	STC KA/s	Prim. Turn & Area in mm ²	I ² t (KA) ² s	Dyn. Peak KAT _p	STC Density A/mm ² /s

- N.B. 1. In case duration of “STC” for tested CT is different, the equivalent “STC” value for required “duration” is calculated based on “I²t” principle. The value of "I²t and Dynamic Peak KAT_p" for offered CT should be ≤ that of the tested CTs.
 2. In accordance with IS 2705-1992 (part I), the primary current rating, number of cores and its burden shall not be considered significant for this test.

2. HIGH VOLTAGE POWER FREQUENCY WET TEST REPORT:

Sl. No.	Test conducted on CT or Bushing & rating	Name of Lab & Test Report No.

3. ACCURACY TEST REPORT:

DETAILS OF TESTED CT				DETAILS OF OFFERED CT		
Sl. No.	Name of Lab & Test Report No.	Drg. No.	CT burden	Item No.	Drg. No.	CT burden

4. TEMPERATURE RISE TEST REPORT:

DETAILS OF TESTED CT				DETAILS OF OFFERED CT		
Sl. No.	Name of Lab & Test Report No.	Drg. No.	Primary Current	Item No.	Drg. No.	Primary current

5. LIGHTNING IMPULSE TEST REPORT:

DETAILS OF TESTED CT				DETAILS OF OFFERED CT		
Sl. No.	Name of Lab & Test Report No.	Drg. No.	Impulse Voltage (KVp)	Item No.	Drg. No.	Impulse Voltage (KVp)

SCHEDULE- V (B)

APPLICABILITY OF TYPE TEST REPORTS For 33 KV CTs

1. STC TEST REPORT:

DETAILS OF TESTED CT								DETAILS OF OFFERED CT						
Sl. No.	Name of Lab & Test Report No.	Drg. No.	STC KA/s	Prim. Turn & Area in mm ²	I ² t (KA) ² s	Dyn. Peak KAT _P	STC Density A/mm ² /s	Item No.	Drg. No.	STC KA/s	Prim. Turn & Area in mm ²	I ² t (KA) ² s	Dyn. Peak KAT _P	STC Density A/mm ² / s

N.B. 1. In case duration of “STC” for tested CT is different, the equivalent “STC” value for required “duration” is calculated based on “I² t” principle. The value of "I²t and Dynamic Peak KAT_P" for offered CT should be ≤ that of the tested CTs.

2. In accordance with IS 2705-1992 (part I), the primary current rating, number of cores and its burden shall not be considered significant for this test.

2. HIGH VOLTAGE POWER FREQUENCY WET TEST REPORT:

Sl. No.	Test conducted on CT or Bushing & rating	Name of Lab & Test Report No.

3. ACCURACY TEST REPORT:

DETAILS OF TESTED CT				DETAILS OF OFFERED CT		
Sl. No.	Name of Lab & Test Report No.	Drg. No.	CT burden	Item No.	Drg. No.	CT burden

4. TEMPERATURE RISE TEST REPORT:

	DETAILS OF TESTED CT			DETAILS OF OFFERED CT		
Sl. No.	Name of Lab & Test Report No.	Drg. No.	Primary Current	Item No.	Drg. No.	Primary current

5. LIGHTNING IMPULSE TEST REPORT:

	DETAILS OF TESTED CT			DETAILS OF OFFERED CT		
Sl. No.	Name of Lab & Test Report No.	Drg. No.	Impulse Voltage (KVp)	Item No.	Drg. No.	Impulse Voltage (KVp)

SCHEDULE-VI**CHECK LIST****(TO BE UPLOAD ONLINE)**

Sr. No.	Check List Item	Options	Answer
1.	Whether “Earnest Money Deposit” of specified amount is kept in a sealed Cover-A & the same is uploaded online.	Yes/No	
2.	Whether NSIC/SSI/MSME/DIC Registration Certificate is attached online	Yes/No	
3.	Whether appropriate type test certificate/BIS license as required is attached	Yes/No	
4.	Whether all schedules except schedule-I (Price bid) duly filled & signed with supporting document are enclosed	Yes/No	
5.	Schedule I: Price bid is duly filled in and digitally signed by the signatory authority & uploaded online in Cover-C	Yes/No	
6.	The schedule-V i.e. Check List uploaded online in Cover-B	Yes/No	