

**OFFICE OF THE CMD (WEST ZONE)**  
**M.P. Paschim Kshetra Vidyut Vitaran Co. Ltd.**  
**G.P.H. Compound, Pologround, Indore.**

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Tender Specification No.CMD/WZ/06/PUR/439,  
Due for opening on: - 30.06.2010 AT 3.30 P.M.

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**SUPPLY OF 11 & 33 KV OUT DOOR PORCELAIN CLAD  
VACUUM CIRCUIT BREAKER COMPLETE WITH  
MECHANISM HOUSING, TERMINAL CONNECTORS AND  
STRUCTURE FOR VCB & CTS**

**Issued by:**

**The Chief Engineer (Corp. Office - Pur)**

O/o CMD (West Zone),

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

G.P.H. Compound, Pologround,

Indore (M.P.)

EPABX No.: 0731-2422045, 2423263, 2422544, Extn. 151 & 303 Fax No: 2423300.

**Name of Item: - 11 & 33 KV Out door porcelain clad vacuum circuit breaker complete with mechanism housing, terminal connectors and structure for VCB & CTs**

Tender Specification No. CMD/WZ/06/PUR/439, Due on 30.06.2010.

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**NOTE**

- (i) The tenderers are requested to ensure that they furnish the offer in **duplicate** and each page of the tender should be signed and sealed by the tenderer. Any over corrections / overwriting should be signed by the tenderer. An offer with corrections / overwriting without signature of the tenderer is likely to be rejected without any consideration whatsoever.
- (ii) The Tenderers are requested to ensure that all required schedules along with questionnaire, duly filled-in are submitted with the offer. The tenderers should also note that in absence of any of the schedules, questionnaire, their offer is likely to be rejected.

**Basic Tender Information**

<b>Particulars</b>	<b>Details</b>
<b>Name of Work</b>	<b>SUPPLY OF 11 &amp; 33 KV OUT DOOR PORCELAIN CLAD VACUUM CIRCUIT BREAKER COMPLETE WITH MECHANISM HOUSING, TERMINAL CONNECTORS AND STRUCTURE FOR VCB &amp; CTS</b>
<b>Tender Specification number</b>	CMD/WZ/06/PUR/439
<b>Date of Sale of Tender documents</b>	From 17.05.2010 to 30.06.2010 upto 12.00 Noon.
<b>Last Date of Bid Submission (Date &amp; Time)</b>	30.06.2010 At 3.00 PM.
<b>Due Date of Opening of Technical &amp; commercial bids</b>	30.06.2010 At 3.30 PM.
<b>EMD to be Deposited</b>	Rs 50,000/-
<b>Cost of Tender Documents</b>	Rs 10,000/- plus Rs 300/- extra if desired by post.

M.P. PASCHIM KSHETRA VIDYUT VITARAN CO. LTD., GPH COMPOUND, POLOGROUND, INDORE

Phone No. 0731-6510550 Fax No: 0731-2421040, E-mail:- sevswz@gmail.com

No. CMD/WZ/06/PUR/8628

Indore dated: 12.05.2010

**NOTICE INVITING TENDERS**

Sealed tenders are invited for following items by the dates indicated here under: -

Sr. No.	T.S. No. CMD/WZ/06/PUR/	Name of Item	Approx. quantity	Cost of Tender Document (Rs.)	Last date for submission & opening
1	435	33/11 KV, 5 & 8 MVA Transformers	74 Nos	10,000	17.06.10
2	436	11/0.4 KV, 16& 25 KVA Dist. Transformer (Conventional, Alu. wound)	4000 Nos	10,000	14.06.10
3	437	11/0.4 KV, 100 KVA Dist. Transformer	5000 Nos	10,000	14.06.10
4	438	11/0.4 KV, 200 & 315 KVA Dist. Transformer	1450 Nos	10,000	18.06.10
5	439	11KV & 33 KV VCB	400 Nos.	10,000	30.06.10
6	440	ISI Marked, LT CT operated three phase four wire accuracy class 0.5S LCD display Meter with AMR compatibility along with Modem	8000 Nos.	10,000	21.06.10
7	441	(1) M.S. Sections H- Beam @37.1 Kg/m - 15, 13, 11 & 9 Mtr, Long (2) M.S. Sections RSJ-175x85 mm @19.6 Kg/m - 9.3 & 6M long	11500 MT 3500 MT	10,000	11.06.10
8	442	(1) MS Channel 100x50x6 mm (2) MS Channel 75x40x6 mm (3) MS Angle 75x75x6 mm (4) MS Angle 65x65x6 mm (5) MS Angle 50x50x5 mm (6) MS Flat 50x6 mm	1000 MT 300 MT 250 MT 500 MT 400 MT 50 MT	10,000	11.06.10
9	443	AAAC Conductors Conforming to IS-398 (Part-4) (1) 100 Sq. mm. (2) 80 Sq. mm. (3) 55 Sq. mm. (4) 34 Sq. mm.	900 KM 2000 KM 10000 KM 2000 KM	10,000	16.06.10
10	444	(1) 33 KV Pin Insulator (2) 11 KV Pin insulator (3) 45 KN Disc Insulator	19000 Nos. 77000 Nos. 55000 Nos.	5,000	15.06.10
11	445	DPC Aluminum Wire & Strips	213 MT	5,000	15.06.10
12	446	EHV Gr. II New Transformer Oil	775 KL	5,000	15.06.10

**Note: - (1)** Complete details of the tenders are available on our website- [www.mppkvvcl.org](http://www.mppkvvcl.org). The tender documents must be purchased from the Chief Engineer (Corporate Office), O/o CMD (WZ), M.P.P.K.V.V.Co.Ltd.,G.P.H. Compound, Polo-ground, Indore. Tender document will be available from 17<sup>th</sup> May 2010. The tender document will not be sold on the date of opening of the bid. Rs. 300/- shall be payable extra with the Cost of tender form, If required by Post.

**(2)** Earnest Money for each tender will be Rs. 50,000/- in the form of Bank Draft/ Pay Order in favour of M.P.P.K.V.V.Co.Ltd, Indore payable at Indore.

**Expression of Interest**

The M.P.P.K.V.V.CO. Ltd. Indore invites **Expression of Interest** from interested manufacturers of Compact Fluorescent Lamp/ Traders who intends to participate in CDM based CFL scheme "**Bachat Lamp Yojana**" for implementing the Project. The details of the project are available on the web site of the Company at [www.mppkvvcl.org](http://www.mppkvvcl.org) (under Tender Section). You can mail your queries to [sevswz@gmail.com](mailto:sevswz@gmail.com) or send FAX at 0731-2421040. The Submission of intent is due on 28<sup>th</sup> Jun 2010 up to 15:00 hrs.

T.S. No. CMD/WZ/06/PUR/439, Due on 30.06.2010

11 &amp; 33 KV Out door porcelain clad vacuum circuit breaker

**OFFICE OF THE CMD (WEST ZONE) M.P.P.K.V.V.C.L.  
G.P.H. COMPOUND POLOGROUND INDORE**

Postal Order/Demand Draft No.....

Tender issued to M/s .....  
.....  
.....  
.....

**TENDER FORM**

The undersigned hereby tender and offer (subject to the MPPKVCL's conditions of tendering) the **M.P. Paschim Kshetra Vidyut Vitaran Company Ltd., Indore** to supply the plant, machinery and materials and execute and do the several works and things which are described or referred to in the Details of Technical Particulars attached to tender document No. CMD/WZ/06/PUR/439 dated 12.05.2010, and its enclosure and in Schedules to the side Details of Technical Particular Copies of which are annexed here to and which under the terms thereof are to be supplied, executed and done by the contractor and to perform and observe the provisions and agreements or the part of the contract contained in or reasonable to be referred from the said tender documents for the sums and at the rates sets out in Schedule –I annexed here to.

The questionnaire enclosed with this tender document has been fully answered and is enclosed herewith (if the questionnaire is not answered in full, the answer to various question may be taken so as to be advantageous to the Company [unless contrary is mentioned in the body of the tender.

Date the            Day of.....

TENDERER'S SIGNATURE  
(With Seal)

Tenderers Address: - .....  
.....  
.....

**ANNEXURE – I**

**GENERAL INSTRUCTIONS TO BIDDERS**

1. **GENERAL :-**

Chief Engineer (Corp. Office - Pur), O/o CMD (West Zone), M.P.P,K.V.V.C.L., Indore on behalf of “The Madhya Pradesh Paschim Kshetra Vidyut Vitaran Co. Ltd., Indore” here in after referred to as “Company”, will receive sealed tenders / bids for supply of 33 KV & 11 KV Out door porcelain clad vacuum circuit breaker complete with mechanism housing, terminal connectors and structure for VCB & CTs in accordance with the attached specification.

2. **BASIC QUALIFICATION OF BIDDERS:-**

- (i) The Bidding is open for manufactures only who provide satisfactory evidence.
- (ii) That they do not anticipate change in the ownership during the proposed period of contract, (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. (The Bidders should submit at least two copies of their profit and loss account and balance sheet for the last two years including Turn-over).
- (iv) That, they have adequate plant and manufacturing capacity available to perform the assignment properly and expeditiously within the time period specified. The evidence shall consist of written details of the installed manufacturing capacities and present commitments (excluding the assignment under this specification) of the bidder or his principal. If the present commitments are such that the installed capacity results in adequacy of the manufacturing capacities to meet the requirement of equipment / material corresponding to this bid, then the details of alternative arrangements to be organized by the Bidder for this purpose shall also be furnished.
- (v) That they have established quality assurance system and organizations designed to achieve high level of quality equipment and reliability during their manufacturing activities.
- (vi) In case of new unit not yet executed orders form MPSEB, they should have minimum five years experience in the field of design, manufacturing of the equipment offered and have supplied 10% of the tendered quantity to any state electricity board, NTPC, power utility / during last five years. For confirmation and documentary proof, order copy and material receipt certificate in this regard are required to be enclosed with the offer.

3. **EARNEST MONEY:-**

- (i) The Tenderer shall deposit the Earnest Money of Rs. 50,000/-
- (ii) The Earnest Money can be deposited in one of the following forms only:-

- a) In cash, to be deposited with the Senior Accounts Officer, MPSEB, Indore.
- b) By Bank Draft in favour of M.P.Paschim Kshetra Vidyut Vitaran Co. Ltd., Indore.

**No offer will be accepted without Earnest Money Deposit, unless exempted by the Company.** If on opening of tender any discrepancy in EMD amount is noticed, the tender shall be rejected and returned to the tenderer.

(iii) **The following are exempted from payment of Earnest Money Deposit:-**

- a) SSI Units of State of Madhya Pradesh permanently registered with DIC/Ancillary Units of MPSEB. **The registration should be permanent and should be specifically for the items quoted in the tender and valid on the date of opening of tender.**
  - b) **Small Scale Units registered with NSIC:** - The small Scale Unit permanently registered with NSIC, whose registration certificate is valid for the item quoted on due date of opening of commercial and technical bid shall be entitled for exemption from EMD. (The renewal / amendment of certificate should not be more than 3 years old from the due date of opening of tender).
  - c) The Medium/Large Scale Manufacturing Units, located in Madhya Pradesh (other than SSI/ Ancillary units to MPSEB and Govt. undertaking) are permitted to furnish the EMD @ 50% (Half) of the rates prescribed above. Hear also permanent registration is a must in respect of specified item against this tender.
  - d) Fully owned State/Central Govt. manufacturing units, if 100% shares are held by the Govt. concerned for which documentary evidence must be furnished with the offer.
  - e) The photo copy of the NSIC/ SSI Registration Certificate for the tendered items duly attested by GM/Manager, DIC of the area or an officer of MPSEB/Company not below the rank of EE/Gazette officer not below the rank of Dy. Collector, shall be furnished with the offer. In case of unattested copy, the original certificate should be produced at the time of tender opening for verification.
  - f) All the SSI/ NSIC units should quote/offer the material only to the extent they are registered for respective items with SSI/NSIC organization. The certificate should be valid and duly renewed as the case may be.
- v) The bidder, who comes under above categories, should furnish documentary evidence with the offer, failing which his offer shall be rejected.
- vi) In case, the bidder withdraws this offer during the validity period, after placement of order, the **EMD** amount shall be forfeited.
- vii) **RETURN OF EARNEST MONEY TO BIDDERS:-**
- a) EMD shall be return to the unsuccessful bidders, as soon as possible, after the tender is decided. No interest shall be paid on EMD amounts.

- b) EMD of bidders on whom the orders have been placed, shall be return on acceptance of security deposit. No, interest shall be paid on EMD amount.

4. **TAXES AND DUTIES:-**

- a) Excise duty and central sale tax / VAT are payable for the contractual delivery period only at the prevailing rates. No upward variation shall be payable beyond the contractual delivery period, where the supplier is responsible for the delays. **Entry tax if applicable will be borne by the purchaser.**
- b) M.P. Paschim Kshetra Vidyut Vitaran Company Limited, Indore is a registered dealer under MP General Sales Tax Act 1994 and Central Sales Tax Act 1956. The registration nos. is Tin No. 233 80203311. Necessary declaration form, be furnished after receipt of material at destination, by the MPPKVVCL. Any other applicable declaration form for concessional rate of Sales Tax/ Commercial Tax as may be in force shall be given only after the legal position is verified at our end.
- c) If any deviation in taxes it should be mentioned specifically in deviation schedule and if it is not mentioned in deviation schedule it will not be considered.

5. **AMENDMENT IN SPECIFICATION:-**

The Company may revise or amend the specification, prior to the date notified for opening 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.

6. **BIDS RECEIVED BY MESSENGER:-**

When tenders are delivered by a special messenger, the same should be dropped in the Tender Box, kept in the O/o. CMD (WZ), MPPKVVCL, G.P.H. Compound Pologround, Indore on all working days indicated in tender notice between 10-30 hours to 15 hours only. **Nobody authorized to receive or issue receipt for tender delivered by hand.**

7. **TELEX/TELEGRAPHIC/FAX BIDS:-**

Telex/Telegraphic/Fax offers will not be considered under any circumstances.

8. **DELAYED/LATE BIDS:-**

The M.P. Electricity Company shall not assume any responsibility for any postal delays either for the late receipt of documents by bidders or late receipt of bids by the Company. **No extension in time shall be granted on such grounds.**

9. **ALTERNATIVE BIDS:-**

Bid should be submitted as per intent of tender documents; any alternative offers are liable to be rejected.

10. **MISTAKES IN BIDS:-**

Rates should be quoted in both; figures and words. In case of ambiguity between rates in figures and words, lower of the two shall be considered. Such offers can also be rejected.

11. **LUMP SUM BASED BIDS:-**

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

12. **PRINTED TERMS AND CONDITIONS IN BIDS:-**  
Supplier's printed terms and conditions will not be considered as forming part of the tender under any circumstances whatsoever it may be.
13. **ALTERATION – CORRECTION IN BIDS:-**  
No alteration/correction in the tender document will be permitted.
14. **INCOMPLETE BIDS:-**  
Tender who is incomplete or obscure is liable for rejection.
15. **ACCEPTANCE OF PART/WHOLE BIDS-RIGHTS THEREOF:-**  
Company reserves the right to accept/reject wholly or partly any tender without assigning any reason whatsoever. The Company in this regard shall not entertain any correspondence.
16. **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 Company, may be taken without any reference to the tenders.
17. **DISQUALIFICATION OF BIDS:-**  
A bid which gets opened before the due dates as a result of improper or no indication having been given on the cover to indicate that it is a tender, will be disqualified. 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, i.e., when a bidder does not comply, tender will be rejected.
18. **LANGUAGE OF BIDS:-**  
All tenders should be made either in English or in Hindi only.
19. **SALES TAX CLEARANCE CERTIFICATE:-**  
The bidder shall furnish Sales Tax Clearance Certificate from competent authority. Alternatively, the bidder shall give reasons for his inability to furnish such a certificate. The Company reserves the right to reject any tender if Sales tax certificate or the reasons for the bidder's inability to furnish such a certificate are not furnished.
20. **QUESTIONNAIRE FILLING IS ESSENTIAL:-**  
**A “QUESTIONNAIRE “(Schedule – IV) along with specification is enclosed for technical/commercial details. It is compulsory on the part of the bidder to furnish all details as per the “Questionnaire”. In case, this is not filled up and enclosed with the bid will be rejected.**
21. **DEVIATIONS FROM TERMS/CONDITIONS:-**  
Offers with deviation in the terms of payment, liquidated damages, security deposit and performance guarantee are liable to the rejected outright.  
  
Should the bidder desire to depart from other conditions and/or technical specifications in any respect, he shall draw attention to such deviations as per schedule V part “B” and “C” stating

fully the reasons thereof. Unless this is done, these conditions and specifications will hold good, as acceptable to the bidder.

22. **PAST EXPERIENCE:-**

Manufacturer having past experience in manufacture and supply of material should furnish the list of supplies made (along with order copies) during the last 3 years for the materials supplied by them, as per enclosed schedule V part "A". A certificate in this regard from the organization to which supply is made in the past shall have to be furnished along with the offer, failing which the tender may not get any preference for his past experience.

23. **SUBMISSION OF BIDS:-**

- (i) The tender shall be submitted in three (3) parts:-  
**Part-I** shall contain **"EARNEST MONEY DEPOSIT/DOCUMENT WHICH ENTITLE FOR EXEMPTION FROM EMD"**.  
**Part-II** shall contain **"COMMERCIAL BID AND THE TECHNICAL BID"**  
The details about these two bids are discussed in Annexure II and III respectively. Relevant information that the bidders are liable to submit, comprises duly filled-in Questionnaire, all schedules any other the information that is sought in the tender.  
**Part-III** shall contain **"PRICE BID"**, in the price Schedule. The bidder shall ensure that the prices/rates are filled in accordance with the Proforma for "Price and Quantity" **Schedule-I**
- (ii) Tender being submitted must be signed by a person holding a Power of Attorney authorizing him to do so, certified copies of which shall be enclosed.
- (iii) Tender submitted on behalf of companies registered with the Indian Companies Act, for the time being in force, shall be signed by persons duly authorized to submit the Tender on behalf of the Company and shall be accompanied by certified true copies of the resolutions, extracts of Articles of Association, special or general Power of Attorney etc. to shown clearly the title, authority and designation of persons signing the Tender on behalf of the Company.
- (iv) **All the three parts shall be submitted in three separate sealed envelopes and these envelopes shall be properly super scribed as Part-I "Earnest Money Deposit", Part-II "Commercial Bid and Technical Bid" and Part-III "Price Bid"** Each envelope shall also be super scribed with name of the item and TS number for which the tender is submitted, the name of the said bidder and the date of opening, as advertised. **The tender i.e. the three parts shall be submitted each in duplicate.**
- (v) **The above three envelopes duly sealed are to be kept again in one envelope called main envelope and sealed.** This envelope should be properly super scribed stating that this envelope contains three separate envelopes for part I "EARNEST MONEY DEPOSIT", Part – II "COMMERCIAL AND TECHNICAL BID" and Part – III "PRICE BID", in addition to tender specification No., name of item and tenderer. Details of Earnest Money Deposit, and due date of opening should be super scribed on this common envelope also. Beside this, it shall be certified on the main envelope itself that Company's PAYMENT TERMS, PENALITY, SECURITY DEPOSIT, and PERFORMANCE GUARANTEE CLAUSES, as mentioned in tender specification, are acceptable to the bidder. This certification shall be in following manner:-

**TENDER SPECIFICATION NO. CMD/WZ/06/PUR/439  
DUE FOR OPENING ON 30.06.2010  
FOR PROCUREMENT OF 11 & 33 KV OUT DOOR PORCELAIN CLAD  
VACUUM CIRCUIT BREAKER COMPLETE WITH MECHANISM  
HOUSING, TERMINAL CONNECTORS AND STRUCTURE FOR VCB & CTS**

**THIS ENVELOPE CONTAINS 3 SEPARATE ENVELOPES FOR:-**

- i) PART I : "EARNEST MONEY DEPOSIT"**
- ii) PART II: "COMMERCIAL AND TECHNICAL BID"**
- iii) PART III: "PRICE BID"**

**TO,**

**THE CHIEF ENGINEER (CORP. OFFICE - PUR)  
O/O CMD (WEST ZONE), M.P.P.K.V.V. Co. Ltd,  
INDUSTRIAL AREA, GPH COMPOUND,  
POLO GROUND, INDORE (M.P.) 452 003**

**IT IS CERTIFIED THAT WE UNCONDITIONALLY AGREED THE FOLLOWING  
CLAUSES OF TENDER SPECIFICATION:-**

- |              |                              |                  |
|--------------|------------------------------|------------------|
| <b>(i)</b>   | <b>PAYMENT TERMS</b>         | <b>: AGREED.</b> |
| <b>(ii)</b>  | <b>SECURITY DEPOSIT</b>      | <b>: AGREED.</b> |
| <b>(iii)</b> | <b>PENALTY</b>               | <b>: AGREED.</b> |
| <b>(iv)</b>  | <b>PERFORMANCE GUARANTEE</b> | <b>: AGREED.</b> |

**SIGNATURE OF TENDERER  
STATUS AND COMPANY'S SEAL**

- (v) In absence of such certification on the main envelope itself, the same shall not be opened and the offer shall be rejected.**

- (vi) Even after certification on the body of the main envelope, if any ambiguity is found upon opening of the main envelope or after opening of the Price Bid, the offer shall be rejected.**

**24. 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 tenderers or their authorized representatives who may be present. If the due date of opening / submission of tender documents is declared as holiday by Central / State Govt. or local Administration, it will be automatically get shifted to the next working day, for which no prior intimation shall be given. The tender opening shall be continued on subsequent day, in case the opening of the entire tender is not completed on the day opening.

It may please be noted that the due date / time of opening can be altered, extended, if desired by the purchaser, without assigning any reasons thereof. However, due intimation shall be given / published in News-Paper in such a case.

25. **OPENING OF EMD AND 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 and Technical Bid, shall be opened on the same date in respect of eligible tenderers.

26. **OPENING OF PRICE BID:-**

**The price bid shall be opened only after evaluation of technical and commercial bid either on the same date or subsequent date to be notified separately:-**

The offers which are in conformity with important commercial terms and conditions including Payment terms, Penalty, Security Deposit and Performance Guarantee clause of Tender specification and exactly as per our technical specification, shall be eligible for opening of their Price Bid.

27.(i) **CANVASSING OF BIDS:-**

Tender shall be deemed to be under consideration, after opening of tender/ bid, till placement of order. During this period, the tenderers 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 Company's personal or Representative, on matters relating to tender under process.

(ii) The company desired to deal directly with the manufacturer/tenderer to avoid delay in decision making. It will be in the interest of tenderer to avoid liasioner/commission agent.

28. **DESTIONATIONS WHERE MATERIALS ARE REQUIRED:-**

The materials as per the specifications are required for various Area Stores situated at Indore/Dhar/Barwaha/Ujjain/Ratlam/Mandsaur only. The prices quoted should be on **VARIABLE & FOR DESTINATION** basis to any of these Area Stores.

29. **VALIDITY OF BIDS:-**

(a) The offers shall be **valid for 180 days**. Validity of the offer shall be counted from the date of opening of bids.

(b) Those who do not agree for a validity of 180 days will do so at their own risk and their offers are liable to be rejected.

(c) However if due to circumstances, beyond control, tenderers are advised to extend the validity, but they shall not be permitted to revise their rate, offer any rebate or concession while extending the validity which may materially result in any reduction or increase in the computed price of their original offer.

30. **AUTHORISATION/LOCAL REPRESENTATIVE:-**

Only authorized representative, possessing necessary authority letter from the bidder shall be allowed to participate in the tender opening.

31. **ACCEPTANCE OF TENDER:-**

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

32. **CHANGE OF QUANTITY:-**

The Purchaser reserves the right to vary the quantities of any or all items as specified in the technical specification/schedules as may be necessary, based on Purchaser's judgment and vendor rating. No correspondence shall be entered into, neither discussed regarding quantity variation, nor any reason will be assigned thereof.

33. **POOL RATES:-**

"The bidders, specifically the SSI Units of the State, 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 Company. It may also please be noted that the competitive rate quoted by each tenderer may be one of the main criteria for quantity to be ordered on each successful bidders."

34. **PURCHASE OF TENDER DOCUMENT**

It is necessary to purchase the tender documents from this office, tender documents downloaded from web site will not be accepted as it is for guidance only.

35. **DEVIATION**

Any deviation required in the technical specification, commercial terms and condition as specified in the tender document including taxes shall have to be mentioned in the deviation schedule attached with the tender and it should be sealed & signed even all terms and condition acceptable, the same should be specifically mentioned in the deviation with sealed and signed. It may clearly understood that irrespective of the fact that deviation mentioned any where in the offer shall not be taken in to cognizance and are specifically mentioned in the deviation schedule. The company reserves the right to interpret the advantageous besides keeping is option open to reject the tender without assigning any region.

Sd/-  
Chief Engineer (Corp. Office - Pur)  
O/o. CMD (WZ), MPPKVVCL,  
Indore

**ANNEXURE-II**

**GENERAL TERMS AND CONDITIONS OF PURCHASE**

1. (I) **PRICES AND STATUTORY LEVIES :-**

- (i) It is obligatory that FOR destination, prices are quoted clearly, giving break-up in the following elements:
  - (i) Unit Ex-works/Ex-godown rate including packing.
  - (ii) Excise duty applicable on Ex-works prices as on date of Bid.
  - (iii) Sales Tax/VAT : (i) C.S.T.  
(ii) VAT
  - (iv) Forwarding & Freight-Insurance Charges
  - (v) Any other levy /taxes. The details and rate to be specified.
  - (vi) In case of exemption from excise duty and/ or Sales tax, documentary evidence shall be furnished with the offer.
  - (vii) 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.
- (ii) Any charge as may be applicable as per law in force, must be clearly specified otherwise any of such silent charges even if statutory 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. CST/VAT shall be paid on elements of Ex-factory price + Excise duty. Freight charges will not form part of price for the purpose of Excise duty. If legally applicable, this should be clarified in the bid.
- (iv) Central Sales Tax / VAT and Excise duty shall not be paid on forwarding & freight element, in any case.
- (v) The payment of statutory levies such as CST, VAT, Excise duty against the contract 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 contract.
- (vi) In case, supplies against the contract are affected late i.e. beyond contractual delivery period and rate of Excise duty, CST & VAT 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 than the delayed supplies beyond contractual delivery period will attract reduced rate of statutory levy (ies).
- (vii) 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 Sales Tax/Excise duty shall be accepted and payment shall be released, accordingly.
- (viii) Pending decision on the request of the supplier, for condition of the delay in delivery, the supplier will claim Excise duty/ Sales Tax 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.

- a. The charges / taxes / duties payable under column No. 8 to 10 shall be indicated on per unit basis, in terms of percentage of appropriate element shown in bracket.
- b. No column shall be left blank. Please note that the words “Exclusive of charges/ taxes / duties”, Inclusive of charges / taxes / duties, dash i.e. “Do” “N.A” etc, will not be taken cognizance of. In case, any of the charges / duties / taxes are not payable by the tenderer, NIL / ZERO shall be mentioned, otherwise the offer shall be summarily rejected.
- c. Please note that incidence of taxes and duties shall be separately indicated with photocopy of relevant notification duly highlighted.
- d. In case of non- applicability of any duty or tax etc. documentary evidence shall be furnished in support.
- e. Rates in various tapering steps shall not be considered.
- f. The offers, with the rates given in any form / proforma, other than that mentioned above, shall be summarily rejected and shall not be considered in any case.
- g. Quantity mentioned in the price schedule are tentative and are subject to change at the discretion of the MPPKVCL.

**2. PRICE VARIATION: -**

- 2.1 The quoted price of the tendered items are on FOR destination basis with the condition that the material shall be transported by road transport duly insured during transit and also for unloading and delivery at Area Store entirely at the bidder cost. It should be ensured that the materials are suitably packed.
- 2.2 The prices shall be variable; the tenderers are advised to quote their VARIABLE prices. The price variation shall be payable as per PV formula indicated in Annexure-VII. No deviation is accepted. In case of any deviation, indicated by the tenderer, the offer will be liable for rejection.

The following conditions shall be applicable: -

- a. Price variation shall be payable strictly based on contractual delivery period only. In case of delay in delivery, price variation shall be calculated based on contractual date of delivery and actual date of inspection call and lower of the two amounts shall be payable by us.
- b. In case the ordered materials are not despatched within 21 days of the date of despatch clearance, we will calculate price variation based on the date of inspection call and also based on actual date of despatch and lower of the two amounts shall be payable.
- c. Price variation will be applicable only if the resulting increase or decrease in price is more than 1% of the accepted ex-works price of material.
- d. Price of freight and insurance charges shall be “FIXED (FIRM)” and no price variation of any nature shall be payable on these accord.

While claiming the price variation, the supplier shall furnish the relevant circulars/ price indices. The claim towards price variation, if any shall be submitted directly to the paying authority along with the relevant indices and other required documents.

3. **TRANSIT RISK:-**

- (a) Responsibility regarding covering of risk during transit of material shall entirely be on the supplier. The Company shall, in any case, not bear the transit risks/ transit insurance charges.
- (b) 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 supplier / manufacturer, free of cost within one month from the date of intimation by the consignee without waiting for his settlement from carrier or Insurance Company 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 / balance bills or from the security deposit as deemed fit.
- (c) 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.
- (d) **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 Company 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/ shortage, 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:-**

- (a) The supplier shall be responsible for the Stores being sufficiently and properly packed at his expenses for transport by rail, road or sea, so as to ensure them being free from the loss/ damage due to handling and transport to the destination.
- (b) Each package shall be prominently and distinctly marked on atleast two faces, indicating the full address of the consignee, destination station, name of equipment, purchaser's order number, weight and volume of the package etc.
- (c) Each package shall contain in a water proof cover, a 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, weights etc. shall also be given.
- (d) The packaging shall conform to the specification, rules and regulation prescribed by the Underwriters, Railways, and Transport Agencies. In case of any loss / damages to the consignment, due to non-standard packing the same shall be made good free of all charges to Purchaser by the supplier. All the provision of this clause shall apply whether

the disrupting cause is total or partial in its effects upon the ability of the supplier to perform.

5. **MODE OF DISPATCH:-**

The tenderer 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 / MANUALS AND ASSISTANCE FOR INSTALLATION.**

The bidder are requested to submit with their offer GA drawing, sectional drawing, rating and connection diagram of the equipments / material along with bill of material stating make, type, rating of each and every components, wiring and schematic diagram of control circuits along with their descriptive write up confirming to the tender specification (wherever applicable) for the purpose of evaluation of the offer. It may please be noted that Board's action of evaluating tender bid, would not mean approval of the drawings / BOM submitted alongwith the bid and the successful bidders on whom order shall be placed shall have again submit the drawings / BOM as per purchaser a requirement / suggestions, for further scrutiny and approval.

7. **INSPECTION AND TEST CERTIFICATE:-**

- i) Each lot of offered material shall be inspected by the Company's inspecting officer before despatch. The supplier shall extend all reasonable and necessary testing help to the inspecting officer of the Company to carry out testing of material at his works.
- ii) An intimation about the date, by which material shall be ready for inspection, indicating quantity be given to the order placing authority by the supplier / manufacturer, 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 despatch the material unless specific despatch instructions are issued by the order placing authority or any other authorised officer of the Company.
- (iv) In case the inspector deputed for inspection does not find the offered lot ready, the Company reserves the right to recover from the supplier, such charges as may have been incurred towards arranging such inspection. These charges have been mentioned in clause 9 below.

8. i) **RIGHT TO CARRY OUT THE INSPECTION/DURING MANUFACTURING**

The Company, 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.

ii) **FACTORY INSPECTION:-**

- a) The factory inspection of the Tenderer, who have not executed any order of MPPKVCL, shall be carried out before placing detail order.
- b) During pendency of the order, the factory inspection may be conducted by Company's authorized officer as and when felt necessary for ensuring production of quality material.
- iii) The Supplier shall extend all reasonable and necessary assistance to the inspecting officer of the Company to carry out testing of equipment/material at his works.

9. **FAKE INSPECTION CALL:-**

All such firms, who after giving inspection call, do not offer materials to Inspecting Officer for inspection due to one or the other reasons, shall be required to remit a sum of Rs. 5000/- per officer.

10. **ROUTINE AND ACCEPTANCE TEST:**

The manufacturer shall carry out all routine and acceptance test as stipulated in the relevant Indian Standards or equivalent International Standards on each equipment at their works and results of these testes in duplicate will be submitted to this office for approval along with letter / offer for inspection. The above test results shall be witnessed by our representative at the manufacturer works, if so desired by the purchaser, prior to dispatch of the equipment.

10. **DELIVERY:-**

- (i) Delivery of the ordered material should commence within one month from the date of order & completed within further six months.
- (ii) The material should be delivered to the consignees within 21 days from the date of issue of despatch instructions/clearances. Any delay in delivery beyond this period shall attract penalty, even if the delivery period exists.
- (iii) Deferment of deliveries:-  
Board reserves the right to defer or reschedule the delivery. However no variation in price and any other statutory levies will be payable as applicable.

11. **FORCE MAJEURE:-**

Force majeure condition is herein defined as:-

- (a) Natural phenomena, such as floods, draught, earth-quakes and epidemics.
- (b) Act of any Government Authority, domestic or foreign, such as war, quarantines, embargoes, licensing control or production or distribution restrictions.

- (c) Accident and disruption such as fires, explosion, and increase in power cut with respect to date of tender opening, break-down of essential machinery or equipment etc.
- (d) Strikes, slow down, lockout containing for more than three (3) weeks.
- (e) Failure or delay in the supplier's source of supply due to force majeure causes enumerated at (a) do (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.
- (f) Any cause which is beyond the reasonable control of the supplier or purchaser as the cast may be.

All the provisions of this clause shall apply whether the disruption 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 I into consideration only if the supplier within 15 days from the occurrence of such delay notice. The Board shall verify the facts and grant such extension as the facts justify. For extension due to force majeure conditions, the supplier shall submit his representation with documentary evidence for scrutiny by the purchaser and decision of the Board shall be binding on the firm.

## 12. TERMS OF PAYMENT:-

- 12.1 Subject to completion of all contractual formalities, 100% payment would ordinarily be made within 45 days or as per queue whichever is later after acceptance of material at Stores in good condition. The M.P.P.K.V.V. Co. Ltd, Indore shall not be liable for any interest due to delay in payment. The supplier while claiming for 100% payment shall have to certify that the prices as charged have not undergone any downward variation on account of IEEMA Circular(s) and that the claim for upward variation will be submitted separately.
- 12.2 The supplier shall forward the original RR/MTR and Excise gate-pass directly to consignee along with copies of following documents:-
  - i) A copy of bill
  - ii) Delivery Challan
  - iii) Original copy of excise duty gate pass along with a photocopy
  - iv) The inspection and or T.C. approval
  - v) Detailed packing list, if required.
- 12.3 The original bills should be forwarded to the paying authority and should be marked "**ORIGINAL**". The bill should indicate Sales Tax Registration Number and date allotted to him under Sales Tax Act.
- 12.4 The following documents will have to be forwarded to the paying authority along with bills in triplicate:-
  - i) Bill/ Invoice.

- ii) Xerox copy of despatch documents i.e. RR/ MTR etc.
  - iii) Dispatch clearance / instructions.
  - iv) Photo-copy of Excise Duty gate-pass.
- 12.5 The material Receipt Certificate will be forwarded by the consignee to the paying authority for payment, as well as to the suppliers towards acknowledgement of receipt of material including part consignment to the extent it is received in good condition and is serviceable.
- 12.6 For payment, the invoice in triplicate with relevant documents such as Material Receipt in good condition etc. should be submitted to the concern Regional Account Officer for the quantities supplied in respective Area stores Indore/Barwaha/Ujjain/ Ratlam.

13. **PENALTY:-**

The time for and the date of delivery of the material stipulated in the order shall be deemed to the essence of the contract. In case of delay in execution or non-execution of the order, the Board as its option shall either recover from the supplier/ contractor as agreed towards liquidate damages as sum of ½ % of the price of any stores not delivered per week or part there of subject to a maximum of 10%.

For these purpose, the date of offer of material in the office of Member (Distribution) West Zone G.P.H. Compound Pologround, Indore shall be considered as the date of delivery, subject to the condition that offer has been made 15 days in advance of terminal date of schedule delivery and material is delivered at stores within 21 days of clearance. For early inspection, offer may be sent telegraphically or by fax. Board will not be responsible for delay for ordinary/ registered post inspection offers. Please note, in case material is not received within 21 days from the date of issuance of despatch instructions, even though the delivery period exists, penalty shall be applicable on delay of despatch.

14. **PERFORMANCE GAURANTEE:-**

- 14.1 If during the course of 18 Months subsequent to the date of receipt of consignment, any of the equipment found to be defective in materials or workmanship or develops defects during service, the same shall be replaced / repaired immediately, but in any case within 30 days of receipt of report of defect / failure, by the supplier free of all charges. All necessary arrangement on these accounts will be made by the suppliers. In case repair is delayed beyond three months of intimation cost of the material may be recovered form the pending bills / security deposit of the firm. Other provisions of performance guarantee clause 13 to annexure-II shall also be applicable.
- 14.2 The said material if required to be replaced, shall be collected by the supplier/firm from Area Stores/ work side at their own cost and at their own responsibility. These material will likewise be returned duly repaired/replaced and tested subsequently by the supplier to the destination indicated on “Freight paid basis” at their cost in a **reasonable time** of 30 days from the date if intimation. The guarantee period as stipulated in clause 14.1 above shall also be applicable for repaired/ replaced material, which shall however be counted afresh from the date of its delivery in our stores/at site.

- 14.3 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 the material.
- 14.4 All equipment/line materials reported failed within specified guarantee period may be replaced free of cost by the supplier/manufacturer concerned.
- 14.5 Actual cost of dismantling and replaced of these equipment /material with the new ones may be charged to the supplier's account.
- 14.6 To and fro transportation cost of such failed equipment may also be borne by the supplier contractor.
- 14.7 In the event of the supplier's inability to adhere to the aforesaid provisions, suitable penal action will be taken against them which may interalia black-listing of the firm for future business with the Board for a certain period.

15. **SECURITY DEPOSIT:-**

- 15.1 On acceptance of offer, the supplier will have to deposit an amount of 10% of the total value of the order in Cash or Demand Draft or Bank Guarantee as Security Deposit.
- 15.2 Cash to be deposited with Sr. Accounts Officer, MPPKVVCL, Indore, and original receipt produced to this office shall be returned after conveying the acceptance of Security Deposit.
- 15.3 Demand Draft to be drawn in favour of Sr. Accounts Officer, MPPKVVCL, Indore drawn on any nationalized / scheduled Bank and payable at Indore.
- 15.4 Bank Guarantee in lieu of cash deposit on any nationalized/scheduled Bank strictly as per Board's Proforma (to be supplied along with the order) valid sufficiently to cover the guarantee period in the office of the CMD (WZ), MPPKVVCL, Indore.
- 15.5 The Security Deposit shall have to be deposited within 30 days of issue of order.
- 15.6 The Board shall forfeit the Security Deposit in event of non execution / part execution of the orders / poor performance of supplier / contractors besides invoking the penalty clauses.
- 15.7 The Security Deposit shall be returned to the successful bidder only after due and faithful performance of the order as per terms and conditions of the order and on expiry of guarantee period provided there are no claims outstanding to be recovered against the bidders / suppliers.
- 15.8 No interest shall be paid by the Board on security deposit furnished by the suppliers.

16. **EXTENSION ORDER:-**

- 16.1 The company reserves the right to place an extension order for any additional quantity to the extent of **50%** quantity of the original order within 6 months from the date of completion of order on same rates terms & conditions of the original order.
- 16.2 The suppliers shall have to accept extension order if placed within a period of 6 months by Rural Electric Co-operative Societies in Indore /Ujjain Region of MPPKVVCL, for supply of material against the order, on the same rates, terms and conditions. The suppliers shall furnish necessary security deposit to the concerned Rural Electric Co-operative Societies. Payment for supplies shall be made directly by the concerned society.

- 16.2 The suppliers shall have to accept order for additional quantity if placed within 6 months from the date of completion of order by other two DISCOMs i.e. CMD (CZ), Bhopal and CMD (EZ), Jabalpur.

17. **TESTING FACILITY AND TESTS TO BE CONDUCTED:-**

The tenderer must give their production capacity, all about testing lab and line testing facilities available with them in details for the tendered material. The tenderer should also give the details of test proposed to be conducted in their labs in the event of order with the details Indian Standard Specification / Codes.

18. **MATERIAL TEST CERTIFICATE:-**

Each item of the lot should be tested by the supplier and routine test certificate in duplicate giving the results of all tests prescribed in the relevant ISS(as mentioned in the Technical Specification Schedule ) for ordered item shall be submitted to the office of the CMD (WZ), MPPKVCL, West Zone, GPH Compound , Industrial Area, Polo Ground, Indore, for approval along with the letter / offer for inspection of material. Please note that each lot will be inspected at your works, which includes witnessing of all tests prescribed in IS.

19. **TYPE TEST CERTIFICATES:-**

All The equipments / material offered, shall be fully type tested as per relevant Indian Standards during the last five years form the date of bid opening. Submission of Photostat copy of the type test certificates for the tests mentioned in subsequent para, along with drawings of type tested equipment duly sealed and signed by testing lab authority conducted at CPRI, ERDA or at any NABL Accredited Laboratory is essential.

Type test reports/certificates for the test conducted on the tendered item/material shall not be older than 5 years on the date of opening of technical/commercial bid.

20. **RECOVERIES FOR LIABILITIES AGAINST OTHER CONTRACTS:-**

All amounts recoverable from the successful bidder against earlier contracts with the Board will be adjusted from payment due against the contract that may be awarded under this specification.

21. **ROYALTIES AND PETENTS:-**

All royalties for patent or any charges for usage or infringement there of that may be involved in the supply shall be included the offered price and the supplier shall product 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.

22. **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, Regulation including Industrial (Development and Regulation) Act 1951 and any amendment

there under, labour agreement, 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 Regulation 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 purchasers shall not be responsible in any manner whatsoever.

23. **CANCELLATION OF ORDER:-**

23.1 The Company may upon written notice of default, terminate contract in the circumstances detailed hereunder:-

- a) If in the option of the Board, the supplier fails to deliver the material within the time specified or during the period for which extension has been granted by the Board.
- b) If in the option of the Board, the supplier fails to comply with any of the other provisions of this contract or material is found not in accordance with prescribed specifications and or the approved samples.
- c) If as a result of stage inspection, it is revealed that material and/or, workmanship is sub-standard which is likely to affect the performance of the finished products a notice would be served by the Board to the supplier to suspend further activities and to take urgent steps towards corrective measures, failing which the entire order would be cancelled.

23.2 In the event of such termination, the Company shall exercise the discretionary powers as:-

- a) To recover from the supplier then agreed liquidated damages as approved in the clause no.13 above.

**AND/ OR**

- b) The purchase from elsewhere after giving due notices to the supplier on account and at the risk of the contractor such stores/material not so delivered or others of similar description in respect of consignment not yet delivered.

**AND/ OR**

- c) To cancel the contract reserving Board's right to recover damages.

23.3 Notwithstanding that the powers under clause( 23.2 a ,b, and c) referred to above, are in addition to the rights and remedy available to the Board under the law of India relating to contract.

23.4 In the event of risk purchase of stores of similar description, the opinion of the Board shall be final. In the event of action taken under the clause 23.2 (a) or (b) above, the supplier shall be liable to pay for any loss, which the company may sustain on that account but the supplier shall not be entitled to any saving all such purchases made against the default.

- 23.5 The decision of the Board shall be final regarding the acceptability of the store supplied by supplier and the Board shall not be required to give any reason in writing or otherwise at any time for the rejection of the stores/material.
- 23.6 In the event, Board does not terminate the order as provided in clause 23.1 and 23.2 above, the supplier shall continue execution of this order, in which case he shall be liable to the Company for liquid detail damages for the delay as per clause 13 until suppliers are accepted.

24 **ARBITRATION:-**

If, at any time, any question, dispute or difference, whatsoever shall arise between the purchaser and the supplier, upon, or in relation to or in connection with the contract, either party may forthwith give to the other, notice in writing of the existence of such question, dispute or difference, and the same shall be referred to the adjudication of two Arbitrators, one to be nominated by the purchaser and the other to be nominated by the supplier in the case of said Arbitrator not agreeing, then to adjudication of the Umpire to be appointed by the Arbitrator, whose, decision shall be final and binding on the parties and The arbitration shall be conducted as per provision of The Madhya Pradesh Madhyastha Adhikaran Adhinyam 1983, and of the rules there under and any statutory modification thereof shall be deemed to apply. The Arbitrators or the Umpire as the case may be, are bound to give a detailed speaking award assigning reasons for the findings.

Suppliers under the contract 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 Umpire, as the case may be, is issued.

25 **JURISDICTION**

Any dispute or difference, arising under, out of, or in connection with Tender/ contract order shall be subject to exclusive jurisdiction of court at Indore only.

26. **RANDOM TESTING:-**

- 26.1 Inspection of material before despatch or waiver of inspection will not relieve the supplier from his responsibility to supply the material strictly in accordance with the specification. The Board shall have option to test the samples selected at random from the supplies affected and subject it to routine/type test.
- 26.2 In case, the samples fails 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 and duties, 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. Board will not be responsible for levy of taxes on such rejected material and deduction shall be in totality.
- 26.3 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 Board reserves the right to impose any appropriate penalty for full quantity of materials supplied against the order. The decision of the Board in this respect shall be final and binding on the supplier.

27. **VARITION IN THE ORDERED QUANTITY:-**

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

28. **SUBMISSION OF DESPATCH DETAILS:-**

On completion of supplies, a statement showing details of offer and supplies made shall be furnished to this office promptly i.e. in first week of following months in following Proforma:-

Page 1

Sl. No.	Particular	Qty offered	Date of offer	Date of D.I.

Page 2

Qty. for which D.I. is given	Bill no. & Date	Qty supplied	Name of consignee

Page 3

Liability intimated By consignee	Details of remittance of liability	Addl. Information	Remarks if any

Similar information for supplies made during each month shall be submitted by the first week of subsequent month.

29. **CORRESPONDENCE:-**

Copies of all important correspondence regarding the order shall be endorsed to the following:-

- i) Concerned consignee
- ii) Concerned Sr. AO /Regional AO

- iii) C.E. (Corp. Office - Pur) O/o, CMD (WZ) MPPKVCL, G.P.H. Compound Pologround Indore.
- iv) S.E. (Stores) O/o. G.P.H. Compound Pologround Indore.

30. **CLIMATIC CONDITONS:-**

The climatic conditions where equipments are intended for installation could be taken as under:-

1	Maximum temperature of air in shed	45° C
2	Minimum temperature of air in shed	4°C
3	Maximum relative humidity	95% (The humidity sometime approaches saturation point)
4	Minimum relative humidity	10%
5	Average no. of dust-storm days per Annum	40 days
6	Average no. of rainy days per Annum	90 days
7	No. of months of tropical monsoon conditions per annum	3 months
8	Average annual rain fall	1250 mm
9	Maximum wind pressure	150 kg/sq. mm
10	Altitude not exceeding	1000 meters.

(The limit of ambient temperature shall be 45° C peak and 35°C average over a period of 24 hours)

31 **QUALITY ASSURANCE PLAN**

The bidder must establish that they are following a proper quality assurance program for manufacture of equipment and shall submit various checks, tests, since receipt of the raw materials up to dispatch of finished product. The bidder shall invariably furnish with his bid statement giving list of important raw materials name of sub supplier for the raw material, list of standards according to which the raw material are test, list of test normally carried on raw material, list of manufacturing facilities available list of testing equipment available with the bidder for final testing equipment available with the bidder for final testing of equipment and test plant limitation levels of automation achieved and list of areas, where manual processing exists.

32 **VCB SPARES**

The bidders are requested to indicated prices of all the recommended spares for VCB separately so that the field officers of the company could procure their requirement form the respective firm, directly, if required.

**33 NAME OF THE TYPE TEST CERTIFICATES TO BE SUBMITTED BY THE BIDDER WITH THE OFFER.**

**(a) VACUUM CRICUIT BREAKER**

(ref IS: 13118/IEC/:62271-100) with latest amendment (all the test should be conducted on same type test destination of VCB and with same type, make of vacuum interrupter)

- (i) Short circuit duties test.
- (ii) Short time withstand current and peak with stand current test
- (iii) Mechanical endurance test
- (iv) Temperature rise test
- (v) Lightning impulse voltage withstand tests
- (vi) High voltage power frequency voltage with stand test (dry and wet)
- (vii) Single capacitor bank switching test.
- (viii) Degree of protection IP-55 as per IS: 13947 (I) 93: IEC: 60529-89.

**34** For any change in the design / type already type tested and the design / type offered against his bid the purchaser reserves the right to demand repetition of same or all type tests without any extra cost.

**35 APPLICABLE STANDARDS**

When the equipment offered by the bidder forms to the other standards, salient points of difference between standards adopted and the standard specified in this specification shall be clearly brought out in the schedule. Two copies of such standard with authentic translation in English shall be enclosed with the offer.

**36 GUARANTEED TECHNICAL PARTICULARS AND QUESTIONNARE**

Guaranteed technical particulars as per schedule-III attached giving specification and questionnaire as per schedule-IV shall be filled in and compulsorily submitted with the offer. In case these are not filled up and enclosed with the offer the bid will be rejected.

Sd/-  
Chief Engineer (Corp. Office - Pur)  
O/o. CMD (WZ), MPPKVVCL,  
Indore

**ANNEXURE – III**

**IMPOTANT INSTRUCTION TO BIDDER FOR SUBMITTING BID**

1. Here are some of the very important instructions which every tenderer should read carefully for compliance before submitting his bid.
2. The tender is in three parts as explained below:-
  - (a) **PART –I:** This part is fulfilling the requirement of deposit towards Earnest Money. The tenderer in this envelope should put either the original money receipt in support of having deposited cash with Sr. A.O. Indore towards Earnest Money OR the Bank Draft for the purpose OR the photocopy of his permanent Registration with District Industries centre as SSI Unit of M.P. for the items quoted duly attested by the General Manager of DIC of the area. Photocopy of valid registration certificate issued by NSIC, for small or medium scale unit, as the case may be (as validity of certificate is three years as per NSIC, the certificate should be re-validated, in case date of issue/last re-validation is more than three years old).
  - (b) **PART-II:** Envelope for this part shall contain Technical and Commercial aspects of the Bid and documents supporting the same.
  - (c) **PART-III:** Envelope for this part shall contain only the Price Bid, Schedule-I

3. **METHOD OF SUBMISSION OF BIDS AND THEIR OPENING:**

- (a) There have to be three envelopes for each of the Parts of the Bid as explained above in point no. 2. All the three envelopes shall then be put in one main envelope. The main envelope shall be super scribed as under:-
  - i) **“T.S. No. CMD/WZ/06/PUR/439, DUE ON 30.06.2010**
  - ii) **“THIS ENVELOPE CONTAINS THREE ENVELOPES TOWARDS PART- I, II AND III OF THE BID”**
  - iii) **“IT IS CERTIFIED THAT WE CATEGORICALLY AGREE TO THE FOLLOWING CLAUSES OF THIS TENDER SPECIFICATION”:-**
    - (a) **PAYMENT TERMS : AGREED**
    - (b) **SECURITY DEPOSIT : AGREED**
    - (c) **PANALTY : AGREED**
    - (d) **PERFORMANCE GUARANTEE : AGREED**

**Seal and Signature**

**In absence of above certification on the main envelope itself, the same shall not be opened and the offer shall stand rejected.**

- (b) Even, after certification on the body of the main envelope, if any ambiguity is found in any part upon opening of the main envelope or even after opening of the subsequent envelopes, the offer shall be rejected.
- (c) In addition to the superscription as detailed above on the main envelope, each of the three envelopes towards Part-I, II & III are to be super scribed as under:-

“Part-I/II/III, as the case may be, of Tender Specification no. **CMD/WZ/06/PUR/439**, due for opening on 30.06.2010.”

- (d) Upon successful verification of the fulfillment of the requirement of earnest money deposit on opening of envelope of Part-I, second envelope towards Part-II shall be opened on the same day. The price bid i.e. Part-III shall be opened on the same day or later on for the tenderers who have fulfilled the eligibility criteria of the tender.
4. The questionnaire appended in Schedule-IV (A, B & C) should be very clearly answered.
5. The quoted prices should be “VARIABLE” and indicated strictly in the format appended with this Tender Specification in Schedule-I. The prices quoted in any other manner/format shall not be considered for evaluation of the tender.
6. Board may not entertain any deviation from commercial terms & conditions as specified in the Tender Specification and the offers showing deviations are likely to be rejected.
7. Photocopies of the orders/performance reports received from other Electricity Boards /Govt. undertakings etc. should be enclosed, in case no orders received from MPEB in the past. However, the details of the past experience in respect of supply of Tender item, either of MPSEB or of the other Boards/Utilities have to be submitted in Schedule-V (A).
8. **POOL RATES:**
- The bidders, specially the SSI Units of the State, are advised to quote their own individual rates. It may please be noted that if the same rate is quoted by more than one bidder, suggestive of a cartel, then such offers may not be considered by the Board. It may also please be noted that the competitive rate quoted by each tenderer may be one of the main criteria quantity to be ordered on each successful bidder.
9. **FACTORY INSPECTION OF NEW FIRMS:**
- In case of new firms/participants quoted for the first time, their factory inspection shall be carried out by the Board’s representative(s) prior to consideration of there rates against the instant tender with a view to ascertain whether they are a qualified manufacturer and are having adequate facilities, technical know-how and practical experience for manufacturing the quoted item. The satisfactory report of factory inspection of such new firms shall be an essential requirement for them for qualifying the eligibility criteria, for further consideration against the instant tender.
10. **PRICE CONSIDERATION ZONE:-**
- Subject to fulfilling the financial, experience and techno-commercial criteria, the MPPKVVCL reserves the right to distribute the quantities amongst the bidders other than lowest also. While in the normal course counter offer shall be limited to the bidders whose computed FOR rate including taxes, duties and freight, other levies is within the price band of 1.15 times of the lowest acceptable offer on merit basis; the Company also reserves the right to examine and accept the offers beyond above price band on counter offer price basis in case of urgency.

**11. UNSATISFACTORY PERFORMANCE**

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

- (i) Offers of those bidders who have been debarred/black listed for future business with our company/MPSEB/other Discoms, may be summarily rejected.
  
- (ii) In case of those bidders whose past performance has not been satisfactory against previous tenders of MPSEB / Companies formed on restructuring of MPSEB, they may not be considered for order. Following shall attribute to poor performance of a bidder:-
  - \* Non-execution of previous order(s)/inordinate delay in supply of material.
  - \* Failures of material in testing & non-replacement of the same by the supplier.
  - \* Failures of material enmasse as reported by the field officers.

Sd/-  
Chief Engineer (Corp. Office - Pur)  
O/o. CMD (WZ), MPPKVVCL,  
Indore

**ANNEXURE –IV****LIST OF CONSIGNEE AREA STORES &  
SENIOR / REGIONAL ACCOUNTS OFFICERS**

S.No.	Name of Consignee	Name of Station to which Materials are to be dispatched, if by Railway.	Concerned Sr. AO/ R.A.O. MPSEB
1.	Addl. S.E. /E.E. (Stores) Area Store, MPPKVVCL, Indore	Indore (W.R.)	Indore
2.	-do- Barwaha	Indore (W.R.)	Khandwa
3.	-do- Ujjain	Ujjain (W.R.)	Ujjain
4.	-do- Ratlam	Ratlam (W.R.)	Ratlam

**ANNEXTURE –V****LIST OF SCHEDULE BANKS**

Sl.	Name of R.A.O./ Sr. A.O.	Name of Bank.
1.	INDORE	(i) BANK OF BARODA (ii) CENTRAL BANK OF INDIA (iii) STATE BANK OF INDIA
2.	KHANDWA	(i) BANK OF INDIA (ii) STATE BANK OF INDIA
3.	UJJAIN	(i) DENA BANK (ii) STATE BANK OF INDIA
4.	RATLAM	(i) STATE BANK OF INDIA (ii) CENTRAL BANK OF INDIA (iii) DENA BANK

**Schedule I : Price and Quantity**  
**(TO BE KEPT IN ENVELOPE PART-III PRICE BID)**

Sr. No.	Description of material	Tender Quantity (Nos.)	Quantity offered (Nos.)	Unit Ex-factory Price including packing & forwarding (Rs.)	Average freight Charges (Rs.)	Total Unit FOR destination price including freight Charges but excluding ED, CST/ VAT & other charges (Rs.)	Excise duty on ex works price	Central Sales Tax / VAT on Ex works price plus ED	Entry Tax	Total unit FOR destination price inclusive of all charge, taxes duties, i.e. freight, ED, CST, VAT, Entry Tax etc in Area Stores of Indore, Ujjain, Ratlam & Barwaha (Indicate in figure and words in Rs.)
							(In percentage and rupees)			
1	2	3	4	5	6	5+6=7	8	9	10	11
1	<b>Out door porcelain clad vacuum circuit breaker complete with mechanism housing, terminal connectors and structure for VCB &amp; CTs as per technical specification attached</b>									
(i)	<b>11 KV</b>	230								
(ii)	<b>33 KV</b>	170								

Note:-

- (1) Quantities mentioned above are purely tentative & are subject to change to any extent at the discretion of the Company.
- (2) No column shall be left blank. Please note that the words "exclusive of charges taxes", "duties", "inclusive of charges taxes", "duties", "dash", "NA", "Do", etc will not be given cognizance.
- (3) Price Bid to be furnished in above format only. Filling of all the columns is necessary otherwise offer may be rejected.
- (4) Responsibility of any lack of clarity leading to confusion will rest with bidders.
- (5) M.P. Paschim Kshetra Vidyut Vitaran Company Ltd., Indore is a Registered Dealer and TIN Number is 23380203311. Therefore necessary declaration form, wherever applicable, shall be issued after receipt of material at destination, by the Discom. This should be kept in mind by the bidder while quoting the competitive prices.
- (6) Rates in various tapering steps shall not be considered.
- (7) Entry tax if applicable shall be borne by the purchaser.
- (8) Remarks if any, may please be specified clearly.

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

## SCHEDULE-II

### TECHNICAL SPECIFICATION FOR 11 KV & 33 KV V.C.B.

#### 1. SCOPE :-

This specification covers design, manufacturing, testing, inspection before dispatch of 11 KV & 33 KV Porcelain Clad Vacuum Circuit Breakers complete with all accessories required for its satisfactory operation for the Transmission/Sub-transmission solidly grounded system and delivery at consignee Area Stores at Jabalpur, Chhindwara, Sagar, Chhatarpur and Satna. The Breaker shall be used for Transformer or Feeder Control/ protection in the system.

#### 2. TYPE AND RATING :-

The circuit breaker shall be suitable for outdoor operation under the climatic conditions as specified in Tender Specification without any protection from sun and rain. The 11 KV & 33 KV circuit breakers shall have the following rating:-

Particulars	11 KV	33 KV
Number of Poles	3	
Frequency	50 cycles	
Nominal system voltage	11 KV	33 KV
Highest system voltage	12 KV	36 KV
Interrupting capacity at nominal system voltage	500 MVA	1500 MVA
Rated continuous current	630 Amps	1250 Amps
Short-time current rating	25 KA for 1 sec.	26.2 KA for 3 sec.
L.I voltage withstand for one Minute	75 KVp	170 KVp
Power frequency withstand voltage for one Minute	28 KV	70 KV
Total break-time for any current up to the rated breaking current	5 cycles (max.)	
Control circuit voltage	30 Volt D.C.	
Operating duty for gang operation	O-0.3sec.-CO-3 min-CO	
Minimum clearances		
a. Phase to Phase	280 mm (-10 mm+...)	430 mm (-10 mm+...)
b. Phase to earth	190 mm	380 mm
c. Creepage distance (min.)	300 mm	900 mm
d. Between live parts & ground	2750 mm	3700 mm

The above is minimum requirement. The suppliers may offer their standard design keeping in view our minimum requirements.

#### 3. STANDARDS :-

The circuit breakers shall comply with the requirements of IS:13118(1991) or IEC 62271-100 with latest amendment thereof.

**4. GENERAL :-**

The circuit breaker shall be of porcelain clad vacuum type. The breaker, complete in all respect, shall be supplied with all accessories in-place and all internal wiring installed and terminated in the mechanism housing and the equipment.

- (i) The design and construction of the circuit breaker shall be such that there is no possibility of entry of moisture. There should not be any condensation or accumulation of moisture on the internal insulating surface of the circuit breaker. For this purpose, the entire interrupter and supporting insulator could be filled with insulating gas or any insulating media to avoid condensation. It may please be noted that any additional device like heater, fan etc. which requires On/Off switch or continuous monitoring shall not be acceptable.
- (ii) The circuit breaker shall provide rapid and smooth interruption of current under all conditions, completely suppressing all undesirable phenomena, even under the most severe and persistent short-circuit conditions or when interrupting small currents or leading/lagging reactive currents. The details of any device incorporated to limit or control the rate of rise of re-striking voltage across the circuit breaker contacts shall be stated. The over voltage caused by the circuit breaker switching on inductive or capacitive load shall not exceed 3.2 times the normal phase to neutral voltage. The total break-time for the circuit breaker, throughout the range of breaker operating duty, shall be guaranteed. The 11 KV breakers shall also be suitable for switching of Capacitor Bank and shall be rated for 400 Amp single capacitor bank breaking current.
- (iii) The breakers shall be provided with trip free mechanism.
- (iv) Circuit breaker shall be suitable for mounting on steel structures. Strongly supported bracket or frame for mounting 3 nos. 11KV CTs (being procured separately) shall also be provided. All the structures shall be **hot dip galvanized** with 3 dips. The mechanism box shall be centrally mounted in front of the middle pole. Please note that Breaker with mechanism box mounted by the side of one of the extreme poles is not acceptable. The mechanism box shall have firm supports from bottom. This is necessary to minimize vibration of mechanism box, which in turn may disturb various settings. The cantilever type support for mechanism box is not acceptable.
- (v) The circuit breaker shall be suitable for performing auto re-closing cycle duty.

**5. SPECIFICATION FOR CIRCUIT BREAKERS :-**

The circuit breakers shall consist of three identical phase units with a common operating mechanism. The circuit breaker shall conform following:-

- i) The breakers should be suitable for out-door duty.
- ii) Make, Type, Rating and Source of Vacuum Interrupter with relevant details shall be as indicated in GTP. Drawings of VI (Vacuum Interrupter) shall be submitted before commencement of supplies.
- iii) The capacity of breaker to interrupt inductive and capacitive currents shall be as indicated in GTP.

- iv) A copy of manual for installation, operation & maintenance of the ordered circuit breaker shall be supplied with each breaker. In addition, 5 sets may be submitted to this office immediately.

**6. VACUUM INTERRUPTER(VI) :-**

- (i) The design of the vacuum interrupter shall be such that it gives trouble free operation under normal load and fault conditions throughout the life of the equipment. As the efficiency of the breaker depends on the degree of vacuum inside the interrupter, manufacturer shall ensure that the same is maintained consistently during service. To know the residual life of vacuum interrupter, an indicator/means to indicate status of contact erosion should be provided.
- (ii) The insulating ceramic body of the interrupter should have high mechanical strength and it should be capable of withstanding high temperature without any significant deterioration in its mechanical and electrical properties.
- (iii) The metal/alloy used for the fixed and moving contacts shall have very low resistivity and low gas content. They should be resistant to arc erosion and the contact should have no tendency to get Cold Welded under the high vacuum in the interrupter.
- (iv) The interrupter design should ensure rapid de-ionization of the gap so that normal electrical strength of the gap is restored instantaneously.
- (v) The metallic bellow or any other similar vacuum sealing arrangement should be provided at the moving contact and should have a long fatigue life.
- (vi) Manufacturers catalogue of vacuum bottle, indicating all the details shall essentially be submitted.

**7. MOUNTING OF CTs:-**

The offered steel structures for breakers should also have adequate strength to accommodate 3 nos. 11KV CTs on it with provision of suitable supports from ground.

**8. TEMPERATURE RISE :-**

The maximum temperature attained by any part of the equipment, when in service at site, under continuous full load conditions, exposed to the direct rays of the sun, shall not exceed 45°C above ambient temperature. The limits of temperature rise shall be as per relevant standard.

**9. INSULATION OF THE CIRCUIT BREAKER:-**

The insulation to ground, the insulation between open contacts and the insulation between phases of the completely assembled circuit breaker shall be capable of withstanding satisfactorily di-electric test voltage corresponding to specified basic insulation level in the standard.

**10. INSULATORS: -**

The basic insulation level of the Insulator and insulating porcelains shall be as specified and porcelain shall be homogenous and free from cavities and other flaws. They shall be designed to have ample insulation, mechanical strength and rigidity for satisfactory operation under

conditions specified above. All insulators of identical ratings shall be inter-changeable. The puncture strength of the insulators shall be greater than the flash over value.

**11. OPERATING MECHANISM :-**

- 11.1 The circuit breaker shall be designed for remote control from the control room and in addition there shall be provision for manual operation of circuit breakers during maintenance and for local tripping and closing by the normal means.
- 11.2 The circuit breakers shall have operation control and mechanical “open” and “closed” indicator, in addition to facilities for remote electrical indication. An operation counter shall also be provided in the common operating mechanism. The mechanical indicator and operation counter shall be located in a position where it shall be visible to a man standing on the ground level with the mechanism housing doors are in closed position.
- 11.3 The operating mechanism shall be of the spring charging type, by electric control under normal operation. The mechanism shall be trip free electrically and mechanically. The mechanism shall also be capable of performing satisfactorily, the re-closing duty cycles. All working parts in the mechanism shall be of corrosion resistant material and all bearings which require greasing shall be equipped with pressured grease fittings. The mechanism shall be strong, quick in action and shall be removable without disturbing the other parts of the circuit breaker. The mechanism and breaker shall be such that the failure of any spring will not prevent tripping and will not cause tripping or closing. The operating Mechanism should be motor operated spring charged type preferably without chain drive. The motor for spring charging shall be suitable to perform satisfactorily for input supply voltage of 230V AC 50 Hz with a variation of plus 10 and minus 20 percent. The A.C. Motor should have overload protection. Provision should also be made for mounting of Mechanism Box at an adequate height and gear ratios shall be so chosen that one man should be able to charge the spring, without any additional efforts. The mechanical arrangement should be provided to facilitate manual tripping of circuit breaker for emergency trip under emergent condition i.e. failure of DC supply, trip coil burnt, mechanism is defective while arc quenching media is healthy.
- 11.4 **CONTROL CUBICLE:-**  
A common control cubicle shall be provided to house electrical controls, monitoring devices and all other accessories, except those which must be located on individual poles. The cubicle shall be IP-55 of gasketed weather-proof construction, fabricated from sheet steel of minimum 2.5 mm. thickness. The cubicle shall have front access door with lock and keys. Space heater, internal illumination lamp, 3-pin 5A socket with individual ON-OFF switches shall be provided in the cubicle. For local operation following shall be provided :-
- a) LOCAL/REMOTE selector switch
  - b) TRIP/NORMAL/CLOSE control switches with pistol grip handle.
- 11.5 The control circuits shall be designed to operate on 30V DC and it shall be possible to adopt to work on other voltages by simply changing the operating coils. The shunt tripping coils shall be designed to operate satisfactorily within 70% to 110% and the shunt closing coil within 85% to 110% of the rated DC voltage.
- 11.6 AC Power supply for auxiliaries will be available at 230V single phase 50 Hz.

11.7 Necessary cable glands for the cables of the operating mechanism shall be provided. The cables used for operation are un-armoured 2.5sq.mm. Copper control cables of 1100 V grade. The cable glands provided may therefore be suitable for 1 no. 8 core and 2 nos. 4 core un-armoured 2.5 sq.mm copper control cable.

11.8 The Circuit breaker shall be provided with trip free Mechanism so that tripping instructions could over-ride the closing instructions. An additional tripping coil shall also be provided in the trip circuit. The second coil shall have separate tripping lever arrangements in the mechanism, so as to avail full advantage of second trip coil. Also the two trip coils shall have separate DC Circuits, so that in the event of any short circuit/ damage in any one of the trip coil, the supply is available in the other one.

11.9 The circuit diagram of Control circuit of VCB along with operating instructions (DO'S/ DON'T) shall be embossed on metallic plate duly laminated and the same shall be fixed on the rear door of the control cubicle from inside.

**11.10 WIRING :-**

- (i) Wiring shall be completed in all respects to ensure proper functioning of the control, protection, monitoring and interlocking schemes.
- (ii) All the wiring shall be carried out with 1100V grade PVC insulated stranded copper conductor of 2.5 sq mm.
- (iii) Each wire shall be identified at both ends with permanent markers bearing wire numbers as per wiring diagram.
- (iv) Wire termination shall be done with crimping type connectors with insulating sleeves. Wires shall not be spliced between terminals.
- (v) All spare contacts of auxiliary switches etc. shall be wired up to terminal blocks in the control cubicle.

**11.11 TERMINAL BLOCKS:-**

- (i) Terminal blocks shall be of 1100V grade, box clamp type ELMEX 10 sq.mm or approved equivalent. Not more than two wires shall be connected to any terminals. Spare terminals, equal in number to 20% of active terminals, shall be provided.
- (ii) Terminal block shall be such located to allow easy access. Wiring shall be so arranged that individual wires of an external cable can be connected to consecutive terminals.

**11.12 TERMINAL CONNECTORS:-**

(i) All circuit breakers shall be provided with 6 nos. terminal connectors suitable to receive Dog ACSR conductors. Clamps shall be designed adequately to take care of any bimetallic effect. Terminal connectors shall be tested for short circuit current capability, temperature rise.

**ii) The terminal connector shall also meet the following requirements :-**

- a) Terminal connectors shall be manufactured & 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 shall be less than 12 mm thick.
- d) The nuts, bolts & washers used in the current path shall be stainless steel.
- e) The bimetallic strips/sleeve copper alloy liner of minimum thickness of 2mm shall be cast integral with aluminium body.

- f) All current carrying parts shall be designed and manufactured to have minimum contact resistance.
- g) The terminal connectors should be made of A6 Aluminium Alloy and manufactured by gravity die-casting process only. Sand die-casted connectors are not acceptable.
- h) 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.
- i) The conductor shall be tightened by at least four bolts. Conductor hold length must not be less than 60 mm.
- j) 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.
- k) 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.
- l) Space of at least 50% of diameter of nuts should be available after hole at both the sides of conductor holding portion for better mechanical strength.

**11.13 AUXILIARY CONTACTS:-**

Eight numbers each of auxiliary contacts both of the normally open and normally closed types shall be provided in each circuit breaker for use in the remote indication and control scheme of the circuit breaker and for providing safety interlocking. Special contacts for use with trip coils which permit for relative adjustment with respect to the travel of the circuit breaker shall also be provided. Wherever required, there shall be provision to add more auxiliary contacts at a later date, if required. All auxiliary contacts shall be placed in a weather proof casing and current rating of the contacts shall be as mentioned in the bid. Provision shall be available to convert these spare “normally-open” contacts to “normally-closed” type and vice versa.

**12. ACCESSORIES :-**

The circuit breaker shall be supplied as a complete unit with internal wiring installed and terminated in mechanism box and equipped with the following accessories :-

i	Motor operated spring charged mechanism (Motor voltage - 230 V AC, 50 Hz)	1 No
ii	Trip coil suitable for 30 V DC	2 Nos
iii	Closing coil suitable for 30 V DC	1 No.
iv	Pistol grip C.B.Control switch having trip/normal/close position	1 No.
v	Local/remote selector switch	1 No.
vi	Spring Charged indicator	1 No.
vii	Manual operating handle for maintenance	1 No.
viii	Facility for manual charging of spring	1 No.
ix	Operation counter	1 No.
x	Auxiliary contacts (8 NO - 8 NC)	1 Set
xi	Anti pumping device suitable for 30 V DC	1 No.
xii	Bimetallic terminal connectors suitable for connecting DOG ACSR/AAAC conductor	6 Nos.
xiii	Cubicle illuminating lamp with protective cage and on/off switch	1 No.
xiv	Spare terminals block	20% of the Total active terminals

xv	Mechanical ON/OFF Indicator	1 No.
xvi	MCB for both AC and DC supply	1+2 No
xvii	Space heater with thermostat and ON/ OFF switch	1 No.
xviii	3-Pin 5 A socket with on/off switch	1 Set
xix	Earthing terminals	2 Nos
xx	Foundation Bolts	As per requirement
xxi	Cable glands	As per requirement

Other accessories which are not specified above, but are required for efficient and trouble free operation of breaker, should also be provided without any extra cost.

### 13. TYPE TESTS :-

- (i) Type test certificates for the following tests, as per IS:13118 or IEC 62271-100 with latest amendment thereof from any of the NABL accredited like CPRI, ERDA or International reputed Lab like CESI, KEMA shall invariably be furnished
  - a. Short circuit duties test
  - b. Short time withstand current and peak withstand current tests
  - c. Temperature rise test
  - d. Mechanical endurance test
  - e. Lightning impulse voltage withstand test
  - f. Power Frequency withstand voltage test (dry & wet)
  - g. Single Capacitor bank switching test
  - h. Degree of protection IP-55 as per IS:13947:93(Part-I)/IEC 60529:89
- (ii) The above type test certificates must accompany drawing of type tested equipment, duly sealed & signed by type testing authority.
- (iii) The above tests should not have been conducted on the equipment earlier than **5 years** from the date of opening of bids.
- (iv) In case of any change in design/type of Breaker already type tested and the one offered against this specification, the purchaser reserves the right to demand repetition of some or all tests without any extra-cost at independent NABL accredited lab.

### 14. ACCEPTANCE AND ROUTINE TEST :-

Each VCB should be tested by the manufacturer at their works and routine/acceptance test certificates in duplicate giving result of all tests prescribed in the relevant ISS will be submitted for purchaser approval along with letter/offer for inspection of circuit breaker. The above result shall be witnessed by our representative at the manufacturer works, if so desired by the purchaser, prior to dispatch of the materials.

### 15. RATING PLATES :-

Each circuit breaker shall be provided with a detailed rating plate. Details on the rating plate shall be as per ISS and shall also indicate manufacturer name, serial no., order no. and month & year of dispatch.

- Sd-  
Chief Engineer (Corp. Office - Pur)  
O/o. CMD (WZ), MPPKVVCL,  
Indore

**Schedule - III**  
**GUARANTEED TECHNICAL PARTICULARS FOR 11KV & 33 KV VCBs**

Sr. no.	Particulars	11 KV	33 KV
1	Name of manufacturer & Place of manufacture		
2	Manufacturer's type Designation of VCB		
3	Rated Nominal voltage (KV)		
4	Rated Highest Voltage (KV)		
5	Rated Normal Current (Amps)		
6	Rated frequency (HZ)		
7	Rated short circuit breaking current (KA)		
8	Rated short circuit making current (KA <sub>p</sub> )		
9	Rated PF withstand voltage (KV)		
10	Rated LI withstand voltage (KV <sub>p</sub> )		
11	Rated Short Time Current (KA/sec)		
12	Rated operating sequence		
13	a) Rated Aux. supply for spring charging motor		
	b) Spring charging motor rating/make		
	c) Spring charging motor time (ms)		
	d) Detail of overload protection provided for spring charging motor		
14	Rated supply of tripping/ closing coils		
15	Power required for tripping/ closing coils		
16	No. of poles		
17	No. of breaks/pole		
18	Class (outdoor)		
19	Applicable standards		
20	Type of Operating mechanism		
21	Vacuum Interrupter details		
	(a) Make		
	(b) Model No./type, designation		
	(c) Voltage/Current rating		
	(d) STC rating & Duration		
	(e) Type of contacts		
	(f) Material of contacts		
	(g) Contact pressure at no load		
	(h) Electrical life		
	(i) At rated normal current		
(ii) At rated short circuit current			
(i) Mechanical life			
22	Maximum temp. rise over ambient temp.		
23	Breaking capacity (KA)		
	a. Symmetrical		
	b. Symmetrical at rated service voltage		
	c. Asymmetrical		

Sr. no.	Particulars	11 KV	33 KV
24	Total break time in milli second		
	a. At 10% rated interrupting capacity		
	b. At rated interrupting capacity		
25	Arcing time in milli-sec		
	a. At 10% breaking capacity		
	b. At 100% breaking capacity		
26	Minimum closing time from the instant of trip coil energisation (ms)		
27	Rated transient recovery voltage		
28	a) Data on re-striking voltage		
	i. Amplitude factor 100% & 50% of rated capacity		
	ii. Natural frequency		
	iii. Phase factor		
	iv. R.R.V. Volts/micro second		
29	Minimum clearance in air (mm)		
	i. Phase to Phase		
	ii. Phase to earth		
	iii. Live parts to ground level		
30	Make, Type of support insulators, creepage distance		
31	Make, Type of insulator containing VI creepage distance		
32	Total length of break per phase		
33	Total break time (milli-sec)		
34	Opening time (milli-sec)		
35	Closing time (milli-sec)		
36	Opening speed (Meter/Sec)		
37	Closing speed (Meter/Sec)		
38	DC component of rated short circuit breaking current		
39	First pole to clear factor		
40	Number of auxiliary contact provided & type		
	i. Normally open		
	ii. Normally closed		
	iii. Those adjustable with respect to the position of main contacts		
41	Accessories to be supplied with each breaker		
42	(a) Rated cable charging breaking current		
	(b) Rated back to back on capacitor bank breaking current		
	(c) Rated capacitor bank inrush making current		
43	Rated single capacitor breaking current		

Sr. no.	Particulars	11 KV	33 KV
44	Maximum over voltage on switching transformer on No-load and the charging current		
45	Weight of VCB with Mechanism but without structure and without CT.		
46	Weight of mounting structure		
47	Overall dimension of VCB (mm) including structure		
48	Procedure followed to ensure achievement of parameters Simultaneity of contact, Contact travel, Contact speed		
49	Please indicate measures provided to trap moisture, if any, inside the hollow porcelain containing the vacuum interrupter		
50	Measures provided to indicate for loss of vacuum		
51	Measures provided to indicate for wear/ tear of contacts		

**PANEL HAVING GEAR MECHANISM & CONTROL CIRCUIT**

1	Sheet thickness of breaker panel	
2	Size of control wiring	
3	GI Mounting Structure (Breaker & CT)	
4	Colour code for control wiring	
5	Type of Operating Mechanism	
6	Rating of Diode protection (in case of D.C. Spring charging motor)	
7	Make & Rating of Heater & thermostat	
8	Color shade of control panel	
9	Make & Rating of Anti-pumping relay	
10	Make & Type Operation counter	
11	Spring charged indicator	
12	Mechanical ON/OFF Indicator	
13	Facility for manual charging of breaker	
14	Auxiliary contact 8 NO + 8NC	
15	Cubical illumination lamp with protective cage & on/off switch	
16	Make & Rating of MCB for AC/DC circuits	
17	Make & Rating of C.B. Control switch having Trip/Normal/Close Position	
18	Make & Rating of Local/Remote selector switch	
19	3 Pin 5 Amps Socket with on/off switch	
20	Nos. & Size of foundation Bolts	
21	Material supplied in loose with each VCB	
22	Provision of double trip coil	
23	Provision of 2 nos. 4 core and 1 no. 8 core cable glands suitable for 2.5 sq.mm. unarmoured copper control cable	
24	Provision of circuit diagram with operating instructions (DO'S & DON'T) embossed on metallic plate duly laminated to be fixed on inside wall of rear door of control cubicle.	

SIGNATURE OF BIDDER

**ANNEXURE – VI**

**SOURCE OF RAW MATERIAL TO BE ARRANGED BY THE TENDERER**

(To be kept in the envelope part-II “Commercial and Technical bid”)

Sr. No.	Particulars (Name of raw material)	Name and address of the firm from where the tenderer proposes to procure the material
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

**Signature of Bidder with Seal of Firm :**

**Place-**

**Name (in full) :**

**Date-**

**Designation :**

## ANNEXURE-VII

## PRICE VARIATION FORMULA FOR SWITCHGEAR AND CONTROLGEAR

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 :-

$$P = \frac{P_o}{100} \left\{ 25 + 17 \frac{IS}{IS_o} + 18 \frac{C}{C_o} + 10 \frac{Al}{Al_o} + 13 \frac{In}{In_o} + 17 \frac{W}{W_o} \right\}$$

Wherein,

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

P<sub>o</sub> = Price quoted/ confirmed

IS<sub>o</sub> = Wholesale price index of 'Iron and Steel' (Base: 1993- 94=100) (refer note)

This index is as applicable on the first week ending Saturday of the month, three months prior to the date of tendering.

C<sub>o</sub> = Price of electrolytic copper wire bars (refer notes).

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

Al<sub>o</sub> = Price of busbar grade aluminium (refer notes).

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

In<sub>o</sub> = Price of phenolic moulding powder for switchgear and control gear of medium/ lower voltage (upto 650 volts) or price of epoxy resin for HT switchgear (above 650 volts) (refer notes).

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

W<sub>o</sub> = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base 2001=100).

This index is as applicable for the month, four months prior to the date of tendering.

For example, if the date of tendering falls in May 2007, the applicable prices of electrolytic copper wire bars (C), busbar grade aluminium (Al) and insulating material (In) should be for the month of April 2007 and wholesale price index of "Iron and Steel" (IS) should be for the first week ending

Saturday of February 2007 and all India average consumer price index number (W) should be for the month of January 2007.

The above prices and indices are as published by IEEMA vide circular reference number IEEMA(PVC)SWGR/ prevailing as on first working day of the month i.e. one month prior to the date of tendering.

IS = Wholesale price index of 'Iron and Steel' (base 1993- 94=100) (refer notes).

This index is as applicable on the first week ending Saturday of the month, four months prior to the date of delivery.

C = Price of electrolytic copper wire bars (refer notes)

This price is as applicable on the first working day of the month, two months prior to the date of delivery.

Al = Price of busbar grade aluminium (refer notes).

This price is as applicable on the first working day of the month, two months prior to the date of delivery.

In = Price of phenolic moulding powder for switchgear and of medium/lower voltage (upto 650 volts) or price of epoxy resin for HT switchgear (above 650 volts) (refer notes).

This price is as applicable on the first working day of the month, two months 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 2001=100).

This index is as applicable for the month, five months prior to the date of delivery.

For example, if the date of delivery in terms of clause given below falls in December 2007 the applicable price of raw materials viz: C, Al and In should be for the month of October 2007 wholesale price index of 'Iron & Steel' (IS) should be for the first week ending Saturday of August 2007 and all India average consumer price index number (W) should be for the month of July 2007. The "date of delivery" is the date on which the switchgear equipment 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 modvatable excise/CV duty amount and exclusive of any other central, state or local taxes, octroi etc.

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

(c) The details of prices are as under :-

- 1) The wholesale price index number for 'Iron & Steel' is as published by the office of Economic Advisor, Ministry of Industry, Govt. of India, New Delhi with base 1993-94=100. This wholesale price index is being published weekly on provisional basis. However, the same gets finalised after eight weeks and is normally available after two months. Therefore, we are considering in our calculations this final index published by Economic Advisor for the first Saturday of the months, two months prior to the date of

which the prices of other raw materials such as C, Al and In are published for the corresponding month.

- 2) The price for electrolytic copper wire bars (in Rs/MT) is ex-godown price as quoted by the primary producer of copper.
- 3) The price of bus bar grade aluminium (in Rs/MT) is the average of ex-works price as quoted by the two primary producers for the bus bar size 152.4 x 6.35 mm flat approximately of grade equivalent to E91E as per IS:5082-1981( or the latest).
- 4) The price of insulating material (in Rs/Kg).is the average price of phenolic molding powder quoted by three manufacturers(for switchgear and controlgear of medium/ lower voltage upto 650 volts) or is the price of epoxy quoted by a resin manufacturer for their grade CT 5900 or its nearest equivalent (for HT switchgear above 650 volts).

Sd/-  
Chief Engineer (Corp. Office - Pur)  
O/o. CMD (WZ), MPPKVCL,  
Indore

## **SCHEDULE – IV**

### **SCHEDULE OF QUESTIONNAIRE**

#### **PART “A”: GENERAL INFORMATION**

**(TO BE KEPT IN THE ENVELOPE PART –II, “COMMERCIAL/TECHNICAL BID)”**

**If any deviation in General terms & conditions of the tender it should be mentioned specifically in deviation schedule and if it is not mentioned in deviation schedule it will not be considered.**

(\*) Strike off, whichever is not applicable.

(\*) Separate sheets should be used, wherever necessary.

1. Name & Address of the Bidder :
  
2. Name & Address of the firm/ :  
Company etc.

  - a) Registration office :
  - b) Factory/ works address :
  - c) Telegraphic address :
  - d) Telex/fax Nos. :
  - e) Telephone Nos. :

3. Confirm whether tenderer is :
  - a) Manufacturer : Yes / No
  - b) Authorized dealer. : Yes / No.
4. Only manufacturer to give :  
following particulars

  - a) Address of factory :
  - b) Year of starting manufacture :
  - c) Whether the same /similar :  
material manufactured earlier,  
(if yes, give reference)
  - d) Yearly/monthly production capacity :
  - e) Maximum yearly production :  
achieved so far.

5. Whether the firm is an : Yes / No.  
MP SSI Unit

  - a) If yes, write registration No. :

- b) Whether documentary evidence regarding registration enclosed. :
  - c) Items of registration :
  - d) Period of registration :
  - e) Furnish latest copy of Competency/certificate : Yes / No.
6. a) Whether the bidder is old participant with MPSEB. : Yes / No
- b) If yes, whether documentary evidence with details of orders received & executed during last five years, enclosed. :
7. Any other information that bidder may like to give in order to highlight his bid. :

PLACE:

SIGNATURE OF TENDERER

DATE:

WITH SEAL OF FIRM

NAME IN FULL

DESIGNATION/STATUS

**SCHEDULE –IV**

**PART “B”: COMMERCIAL INFORMATION**

**(TO BE KEPT IN THE ENVELOPE PART –II, “COMMERCIAL/TECHNICAL BID)”**

**If any deviation in General terms & conditions of the tender it should be mentioned specifically in deviation schedule and if it is not mentioned in deviation schedule it will not be considered.**

\* Strike off, whichever is not applicable.

\* Separate sheets should be used, wherever necessary.

- i) Earnest Money details : Bank draft/Bankers cheque/  
Cash with Sr. AO, MPPKVVCL,  
Indore.
- ii) Amount of EMD & fill details : Rs. 50,000/-
- iii) If exempted, state : SSI Unit of M.P./small  
whether the bidder is Scale unit registered  
with NSIC/Fully owned  
Stated/Central Govt. Unit.
- iv) Whether reference of documentary : Yes/No  
evidence regarding exemption enclosed
2. Whether the offer is valid : Yes/No  
for 180 days from the date : (If no, state validity  
of opening of commercial/ period).  
Technical bid.
3. State whether the quoted : Yes / No.  
prices are VARIABLE.
4. **MODE OF DESPATCH** : By Road only.
- i) To supply the material on door delivery  
basis and through bank approved road  
Transporter, and
- ii) for payment after receipt of materials  
in good condition.
5. **DISCOUNT:-**
- i) Whether any rebate/discount is offered :
- ii) If yes, whether the rebate is :  
unconditional/conditional
- iii) Rate/amount of rebate/discount :
- iv) If conditional state condition
6. **PAYMENT TERMS:**
- Whether MPPKVVCL’s terms of payment : Agreed  
is acceptable to the tenderer.  
(If no state conditions)

7. **DELIVERY PERIOD:-**

**Whether you are agreeable to accept Company's delivery clause.**

- a) Commencement of supplies within one month from the date of order. : Yes/No.  
b) Completion of supply in 6 months thereafter : Yes/No.

8. **PANALTY CLAUSE:-**

Whether agreeable Board's Penalty clause. : Agreed

9. **GUARANTEE PERIOD:**

Whether agreeable Board's Guarantee clause. : Agreed

10. **SECURITY DEPOSIT:-**

Whether agreeable to furnish Board's Standard security deposit @ 10% of value of order, for faithful execution of the order and to cover performance Guarantee period. : Agreed

11. Indicate State, Central Sales Tax Registration Number (Please note that in case of non-registration with Sales Tax Department Purchase Tax as admissible shall be deducted by the purchaser from the bills of the supplier) : State  
: Central

12. Whether photocopy of the clearance from the Income Tax & Sales Tax Dept. and profit & loss Account and Turn over for last 3 years up to the last financial year have been enclosed. : Yes / No

13. **EXETENSION ORDER:-**

- (a) Whether you are agreeable to accept Order for 50% quantity of the original order within 6 month from the date of completion of order on the same rates, terms & conditions, if any extension order is placed. : Yes / No

- (b) Whether you are agreeable to accept order for additional quantity if place within rate contract period by other two DISCOMs i.e. CMD (CZ) Bhopal and CMD (EZ), Jabalpur. : Yes / No

14. Whether rates offered are applicable : Yes / No

for part quantities also.

15. Have you noted that you have quoted total :  
for destination price inclusive of all taxes  
and duties in the price Schedule of the  
tender.
16. Please indicate whether you are participating in the tender as **“registered dealers situated within the state of MP”** or you shall raise invoice as a **registered dealer of any other state?**
- (This information is specifically required for ascertainment of liability towards Entry Tax and CST/ VAT)
- Registered Dealer within State of MP.
- Or
- Registered dealer outside the state.
- (Please strike out whichever is not applicable)
17. In case of **“registered dealers situated within the state of MP”** please indicate whether the transaction would be of **“Sale in Transit nature (viz E1-C Transaction etc.)”** or not?
- (This information is specifically required for ascertainment of liability towards Entry Tax and CST / VAT)
- Transaction would be of **“Sale in Transit nature (viz E1- C etc.)”**.
- Or
- Transaction would **NOT** be in the nature of **Sale in Transit**.
- (Please strike out whichever is not applicable)

PLACE

SIGNATURE OF TENDERER  
WITH SEAL OF FIRM

DATE:

NAME IN FULL  
DESIGNATION/STATUS

**SCHEDULE –IV**

**PART “C”: TECHNICAL INFORMATION**

**(TO BE KEPT IN THE ENVELOPE PART –II, “COMMERCIAL/TECHNICAL BID)”**

**If any deviation in General terms & conditions of the tender it should be mentioned specifically in deviation schedule and if it is not mentioned in deviation schedule it will not be considered.**

\* Strike off, whichever is not applicable.

\* Separate sheets should be used, wherever necessary.

1. a) Whether material offered is exactly as per the technical specification. : Yes / No
- b) If not, gives details of technical deviation (Information may be given in deviation schedule given with document for this purpose) :
2. Whether the copies of orders received during last 5 years from State Electricity Boards/ NTPC & form other organization for similar material enclosed. : Yes / No. give details
3. Whether performance certificate from such Organisation regarding supplies enclosed. : Yes / No. give details
4. Whether pamphlets/technical details, literatures etc. furnished with the offer. : Yes / No. give details
5. Whether test certificates of tendered materials from NABL Accredited Laboratory. : Yes / No.
6. Whether the tenderer has furnished details of manufacturing equipments and short history of plant. : Yes / No.
7. Whether details of manufacturing process furnished with offer : Yes/No.
8. a) Whether all testing facilities are available, if so, give details.

In case of non-availability of facilities indicate approved lab. available in surrounding areas where tests are proposed to be conducted.

- b) Whether you agree for inspection by Board's representative prior to dispatch and bear the testing charges for all test as per relevant standards. : Yes / No.  
: (give full details if test to be conducted and reference of relevant standard specification)
9. If there are any deviations from the technical specification as described in the tender with the items offered. :  
by you the same shall be brought out separately in Part-C of Schedule -V. :

DATE:

SIGNATURE OF TENDERER WITH SEAL.

**SCHEDULE –V**

**PART “A”**

**SCHEDULE OF PAST EXPERIENCE**

(TO BE KEPT IN THE ENVELOPE PART-II, “COMMERCIAL/TECHNICAL BID)”

Bidder’s Name & Address:

To,

The Chief Engineer (Corp. Office - Pur)  
O/o CMD (West Zone)  
MPPKVV Co. Ltd.,  
G.P.H. Compound, Pologround Indore.

**Sub: - Performance /past experience**

Dear Sir,

We furnished herewith the record of our performance and experience of quoted items as follows:-

Sl. No.	Purchase’s Name and Address	Order Number and Date	Ordered Quantity	Quantity supplied	Value Order.
1.	2.	3.	4.	5.	6.

PLACE:

SIGNATURE OF TENDERER

DATE:

NAME IN FULL

DESIGNATION/STATUS IN THE FIRM  
COMPANY SEAL

Note: - Photocopy of the order & performance report received from other State Electricity Boards/Govt. undertaking etc. should be enclosed.

**SCHEDULE –V**

**PART ‘B’**

**SCHEDULE OF COMMERCIAL DEVIATION**

(TO BE KEPT IN THE ENVELOPE PART-II, “COMMERCIAL/TECHNICAL BID)”

Bidder’s Name & Address:

To,

The Chief Engineer (Corp. Office - Pur)  
O/o CMD (West Zone)  
MPPKVV Co. Ltd,  
G.P.H. Compound, Pologround Indore.

**Sub: - Commercial Deviation**

Dear Sir,

The Commercial Deviation & Variation to the specification stipulated in the tender, for the items quoted, as under:-

Sl.	Condition	Clause No. of Tender document	Page No. of Tender document	Statement of deviations and variations.
1.	2.	3.	4.	5.

2. Except aforesaid deviations, the entire order, if placed, on us shall be executed in accordance with your specifications and any other conditions, variations/deviations etc. if found, elsewhere in our offer should not be given any consideration while finalizing the tender.

PLACE :  
DATE:

SIGNATURE OF TENDERER  
NAME IN FULL

DESIGNATION/STATUS IN THE FIRM  
COMPANY SEAL.

Note: - Continuation sheet of like size & format may be used as per bidder’s requirement and shall be annexed to this schedule.

**SCHEDULE –V**

**PART “C”**

**SCHEDULE OF TECHNICAL DEVIATIONS**

(TO BE KEPT IN THE ENVELOPE PART-II, “COMMERCIAL/TECHNICAL BID)”

Bidder’s Name & Address:

To,

The Chief Engineer (Corp. Office - Pur)  
O/o CMD (West Zone)  
MPPKVV Co. Ltd.,  
G.P.H. Compound, Pologround Indore.

**Sub: - Technical Deviations.**

Dear Sir,

The Technical Deviations & variations to the specifications stipulated in the tender, For the item quoted are, as under:-

Sl.	Condition	Clause No. Of Tender document	Page No. of Tender document	Statement of deviations and variations.
1.	2.	3.	4.	5.

2. Except aforesaid deviations, the entire order, if placed, on us shall be executed in accordance with your specifications and any other conditions, variations/deviations etc. if found, elsewhere in our offer should not be given any consideration while finalizing the tender.

PLACE :

SIGNATURE OF TENDERER

DATE:

NAME IN FULL

DESIGNATION/STATUS IN THE FIRM  
COMPANY SEAL.

Note: - Continuation sheet of like size & format may be used as per bidder’s requirement and shall be annexed to this schedule.

**SCHEDULE-VI**

**UNDERTAKING**

I, ..... Sole proprietor/ partner of M/s. .... is giving undertaking that details given are correct to the best of my knowledge and I agree to abide by all your tender/order terms and conditions.

PLACE:

SIGNATURE OF TENDERER

NAME IN FULL

DATE

DESIGNATION/ STATUS IN THE FIRM

COMPANY SEAL

**SCHEDULE – VII**

**DECLARATION BY THE TENDERER**

**(To be submitted on non-judicial stamp paper worth Rs.100/-)**

I ..... sole proprietor / partner / ..... of M/s ..... undertake that I am not interested as a proprietor and/or partner in any other firm, participated in the Discom WZ tender No. ----- due for opening on ----- for procurement of -----.

SIGNATURE OF TENDERER

NAME IN FULL

DESIGNATION/ STATUS IN THE FIRM

COMPANY SEAL