

**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/456,

Due for opening on: - 03.08.2010 AT 3.30 PM

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**SUPPLY OF CURRENT TRANSFORMER /  
POTENTIAL TRANSFORMER**

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.: 0731-2423577, 2422544, 2423263, 2422045 Extn. 144, 115 & 303 Fax No. 0731 2423300.

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**Volume I**

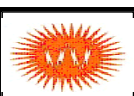
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### Basic Tender Information

Particulars	Details
<b>Name of Work</b>	<b>SUPPLY OF CURRENT TRANSFORMER / POTENTIAL TRANSFORMER</b>
<b>Tender Specification number</b>	CMD/WZ/06/PUR/456
<b>Date of Sale of Tender documents</b>	From 15.07.2010 to 03.08.2010 (upto 12.00 Noon)
<b>Last Date of Bid Submission (Date &amp; Time)</b>	03.08.2010 At 3.00 PM
<b>Due Date of Opening of Technical &amp; Commercial bids</b>	03.08.2010 At 3.30 PM
<b>EMD to be Deposited</b>	Rs. 50,000/- through DD in favour of MPPKVVCL, Indore
<b>Cost of Tender Documents</b>	Rs. 5,000/- plus Rs 300/- extra if desired by post.

## Tender Notice



## M.P. PASCHIM KSHETRA VIDYUT VITARAN CO. LTD.

## GPH COMPOUND, POLOGROUND, INDORE

(EPABX Ph. No: 0731-2422045, 2423263, 2422544, Extn. 144, 203 &amp; 303 Fax No: 2423300)

No. CMD/WZ/06/PUR/12246

Indore, dated: 06.07.2010

**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 / work	Approx. quantity	Tender Fee (Rs.)	Last date for submission up to 3:00 PM & opening at 3:30 PM
1	451	<b>PVC Cable, 1100 Volts Gr. Armoured Aluminum Cable (KM)</b>			
		2.5 sq.mm. 2 core	1000	10000/-	02.08.2010
		4.0 Sq.mm. 2 core	6680		
		6.0 Sq.mm. 4 core	535		
<b>LT Aerial Bunched Cable</b>					
2	452	3X25 +1X16+1X25 Sq MM	10	10000/-	02.08.2010
		3X95+1X16+1X70	50		
		3X120+1X16+1X95	260		
		3X70+1X16+1X50	110		
3	453	<b>1100V., Single Core XLPE/PVC insulated Un-Armoured Aluminum Conductor Cable (KM)</b>			
		16 Sq.mm.	22105	5000/-	02.08.2010
		25 Sq.mm.	200		
		35 Sq.mm	150		
		70 sq.mm	30		
		150 Sq.mm	60		
300 Sq.mm	20				
4	454	<b>33 KV / 11 KV Isolator</b>			
		33 KV Isolator (600 A.)	186	5000/-	03.08.2010
		11 KV Isolator (600 A.)	304		
<b>11 KV Aerial Bunched Cable (KM)</b>					
5	455	11 KV Aerial Bunched Cable 185 sq. mm	10	5000/-	03.08.2010
		11 KV Aerial Bunched Cable 95 sq. mm	5		
6	456	<b>Current Transformer/ Potential Transformer (Nos.)</b>			
		33KV CT Ratio 200/100/5	276	5000/-	03.08.2010
		33KV CT Ratio 300/150/5	18		
		11KV CT Ratio 500/250/5	30		
		11KV CT Ratio 300/150/5	254		
		11KV CT Ratio 200/100/5	466		
11 KV PTs: Single Phase .	120				
7	457	<b>33 KV &amp; 11 KV AB Switch (Nos.)</b>			
		33 KV AB Switch	80	2000	04.08.2010
		11 KV AB Switch	1300		
<b>Lightning Arrestor (Nos.)</b>					
8	458	33 KV Lightning arrestors (Station Type)	300	2000/-	04.08.2010
		11 KV Lightning arrestors (Line Type)	10131		
		11 KV Lightning arrestors (Station Type)	120		
9	459	<b>Control &amp; Relay Panel</b>			
		33 KV Control & Relay Panel for transformer protection	28	2000/-	04.08.2010
		33 KV Control & Relay Panel for feeder protection	6		
		11 KV Control & Relay Panel for transformer protection	28		
11 KV Control & Relay Panel for feeder protection	105				
10	460	<b>HT Meter Testing Equipments</b>			
		Portable 3 Phase Electronic Reference Standard Meter (Accuracy Class 0.05s) (Set)	2	2000/-	05.08.2010
		Portable Static Phantom load Testing Kit (Set)	2		
Primary Injection Kit 300 Amp (Set)	2				
11	461	<b>XLPE cable of assorted ratings</b>			
		11 KV XLPE cable 3 core 185 sq.mm	3	2000/-	05.08.2010
	33 KV XLPE cable 3 core 185 sq.mm	1			
11	462	<b>Copper Control cable (KM)</b>			
		Copper Control cable (4 core 2.5 Sq.mm. unarmoured)	13	1000/-	05.08.2010
		Copper Control cable (8 core 2.5 Sq.mm. unarmoured)	8		
		Copper Control cable (2 core 2.5 Sq.mm. unarmoured)	7		
Copper Control cable(12 core 2.5 sq. mm armoured)	5				
13	463	<b>30V-100AH Lead Acid Battery (Nos.)</b>	40	1000/-	06.08.2010
14	464	<b>30 Volts-10 AMP Battery Charger (Nos.)</b>	40	1000/-	06.08.2010
15	465	<b>Double compartment standard HT meter boxes</b>	500	1000/-	06.08.2010

**Note:- 1. The detailed NIT, Qualifying criteria along with technical specification is available on our website – [www.mppkvcl.org](http://www.mppkvcl.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 from dated 15.07.10, on payment of non refundable tender fees as specified against the respective tenders, between 11.00 Hrs. to 17.00 hrs on all working days. The payment towards EMD / Cost of Bidding Document shall be made by crossed Demand Draft in favors of M.P.P.K.V.V.Co.Ltd., Indore payable at Indore. Cheque / Cash / Postal orders will not be accepted. The last date of selling of tender documents shall be 12:00 Noon on due date of opening of respective tenders Further, if required by Post Rs. 300/- for Sr. no. 1 to 11 and Rs. 100/- for 12 to 15 shall be payable extra 2. The tender document downloaded from website will not be entertained. In case of any ambiguity, the terms & condition mentioned in the tender document will be final.**

[www.mppkvcl.org](http://www.mppkvcl.org)

//Save Electricity//

Chief Engineer (Corp. Office)

**EXTANTION OF DUE DATE**

The due date of submission of tender specification No. 450 for supply and installation of 14 No. ACs issued vide NIT No. CMD/WZ/06/Pur/10608 dated 11.06.2010 due on 05.07.2010 is hereby extended up to 20.07.2010. The other terms & conditions will remain unchanged.

**TS NO. CMD/WZ/06/PUR/456 DUE ON 03.08.2010****SUPPLY OF CURRENT TRANSFORMER / POTENTIAL TRANSFORMER**

**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, the **M.P. Paschim Kshetra Vidyut Vitaran Company Ltd., Indore** to supply the plant, machinery and materials; and execute/do several works and things, which are described or referred to at various places in the tender document no. CMD/WZ/06/PUR/456 dated 06.07.2010; 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 which can be reasonably inferred from the said tender documents, for the sums and at the rates set out in Schedule –I annexed here to.

The information desired in the Schedules enclosed with this tender document has been fully furnished (if the desired information is not submitted, 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).

We have examined in detail and have understood and agree to abide by all the terms and conditions stipulated in the tender document and in any subsequent communication from MPPKVVCL in this regard (if any). Our technical proposal is consistent with all the requirements of submission as stated in the tender document or in any of the subsequent communication from MPPKVVCL in this regard (if any).

We hereby undertake that the information submitted in our offer is complete and correct to the best of our knowledge and belief. We would be solely responsible for any errors or omissions in our offer. We agree that, in case of any ambiguity/ incompleteness found in the information furnished by us in the offer, same shall be interpreted by MPPKVVCL to its advantage. We agree to abide by all your tender / order terms and conditions.

Date the Day of.....

BIDDER'S SIGNATURE  
(With Seal)

Bidders Address: - .....  
.....  
.....

## **Section I: Qualifying Criterion**

### **1. General:**

The Bidding is open for manufactures only, who provide satisfactory evidence that –

- (i) They are qualified manufacturer, who regularly manufacture/supply the equipment / material of the type specified and have adequate technical knowledge and practical experience.
- (ii) 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).

### **2. Financial:**

- (i) Bidder must have adequate financial stability and status to meet the financial obligations pursuant to the scope of the assignments. (The Bidders should submit copies of their profit and loss account and balance sheet for the last two financial years, duly audited wherever applicable, for ascertainment of the same).

### **3. Technical:**

- (i) The bidder (if he is a manufacturer) or his principal (if bidder is an authorised dealer of principal manufacturer) must have-
  - a. Adequate plant and manufacturing capacity available to perform the assignment properly and expeditiously within the time period specified. The bidder shall have to submit adequate evidence in this regard, which 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.
  - b. Established quality assurance system and organizations designed to achieve high level of quality equipment and reliability during their manufacturing activities.
  - c. **Type Test**  
The offered material / item should be type tested as per specification from NABL Accredited Testing Laboratory. The type test report should not be older than 5 years as on date of tender opening. The notarised copy of type test reports along with the approved drawing of offered material / item from NABL lab must be furnished along with offer. In the absence of the type test reports or type test reports found more than 5 years old, the offer shall be out rightly rejected. Similarly, type test reports of laboratories, other than NABL accredited, shall not be acceptable.

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## **Section II: Special Terms and Conditions of purchase**

### **1. TERMS OF PAYMENT & PAYMENT PROCEDURE**

- (i) Subject to completion of all contractual formalities, 100% payment will be made on assured basis within 45 days, after acceptance of material at our Stores in good condition, However, the M.P.P.K.V.V. Co. Ltd, Indore shall not be liable for any interest due to delay in payment. The term 'Acceptance' shall mean as defined in clause "**Testing & Acceptance of Material**", detailed in this section.
- (ii) The supplier shall forward the original RR/MTR and Excise gate pass directly to consignee along with copies of following documents:-
  - a) A copy of bill
  - b) Delivery Challan
  - c) Original copy of excise duty gate pass along with a photocopy
  - d) The inspection and or T.C. approval
  - e) Detailed packing list, if required.
- (iii) The original bills should be forwarded to the paying authority AO CBP Cell (located in RAO Indore) and should be marked "**ORIGINAL**". The bill should indicate Tax Registration Number and date allotted to him under CST Act/ ST/ VAT Act.
- (iv) The following documents will have to be forwarded to the paying authority along with bills in triplicate:-
  - a) Bill/ Invoice.
  - b) Xerox copy of despatch documents i.e. RR/ MTR etc.
  - c) Dispatch clearance / instructions.
  - d) Photo-copy of Excise Duty gate-pass.
  - e) Certificate/ undertaking covering following –
    - a. State of origin of invoice (i.e. invoice has been originated under TIN number of MP or any other state).
    - b. Goods are being supplied Entry Tax Paid or Entry Tax is required to be paid by Purchaser.
    - c. C-form is required by Vendor or not ?
    - d. Confirmation from vendor if the transaction is in the nature of 'Interstate Sale in Transit'
- (v) 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.
- (vi) For payment, the invoice in triplicate with relevant documents such as Material Receipt in good condition etc. should be submitted to the AO (CBP Cell).
- (vii) The vendor, while claiming 100 % payment, shall have to certify that prices as charged have not undergone any downward variation as per applicable PV formula/ circulars. Claim for upward variation in prices shall have to be submitted by vendor separately.

### **2. DELIVERY**

- (i) Delivery of the ordered material shall commence within one month from the date of placement of order and to be completed in further three months period.
- (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.

### **3. PERFORMANCE GAURANTEE**

- (i) If during the course of 18 Months subsequent to the date of receipt of consignment, any of the goods found to be defective in materials or workmanship or develops defects during service,

they will have to be replaced by the supplier, free of all charges. All necessary arrangement on these accounts will be made by the suppliers.

- (ii) 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 within a period of 30 days from the date of intimation. The guarantee period as stipulated in sub-clause (i) 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.
- (iii) 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.
- (iv) All equipment/line materials reported failed within specified guarantee period shall be replaced free of cost by the supplier/manufacturer concerned.
- (v) Actual cost of dismantling and replacement of these equipments /materials with the new ones, shall be charged to the supplier's account.
- (vi) To and fro transportation cost of such failed equipment shall also be borne by the supplier.
- (vii) In the event of the supplier's inability to adhere to the aforesaid provisions, suitable penal action will be taken against them, which may, inter-alia, include black-listing of the firm for future business with the Company for a certain period.

**4. TYPE TEST**

The offered material / item should be type tested as per specification from NABL Accredited Testing Laboratory. The type test report should not be older than 5 years as on date of tender opening. The copy of type test report along with the approved drawing of offered material / item from NABL lab must be furnished along with offer. In the absence of the type test reports or type test reports found more than 5 years old, the offer shall be out rightly rejected. Similarly, type test reports of laboratories, other than NABL accredited, shall not be acceptable.

**5. TOLERANCE IN THE SUPPLIED QUANTITY**

A tolerance in the supplied quantity will be allowed to the extent of  $\pm 2\%$  (plus/ minus two %) of the ordered quantity. MRCs shall be issued for actual receipt of quantity only.

**6. ISSUANCE OF C FORM**

Intended procurement is entitled for CST at concessional rates. As such, necessary declaration form for availing concessional CST shall be furnished to only those bidders who have indicated in their bids that they shall be supplying materials through Inter-State Sale or Interstate Sale in Transit type of transactions. The form shall be issued after receipt of material at destination and verification of the legal position at our end. Bidders are requested to quote rates after taking cognizance of above.

**7. PERMANENT SECURITY DEPOSIT**

Facility of Permanent Security Deposit can NOT be availed by the vendor for this tender, (even if mentioned in **Section V - General Terms and Conditions of Purchase**).

**8. TESTING AND ACCEPTANCE OF MATERIAL :-**

A. **Collection of sample for testing**:-The sample from each lot of material received at the respective Area Stores of the Company will be collected in accordance with the relevant **IS specifications**. The representative of the bidder may be present during collection of samples. In case the material of one lot is supplied at more than one area stores, the company reserves the right to select one or more area stores from which sample for testing shall be drawn.

- B. **Testing:** - The sample collected at the area stores will be forwarded to a laboratory, specified as under, for testing.
- C. **Laboratory for testing of material:-** Only the laboratory having accreditation from NABL shall mean a Laboratory for this purpose under this clause.
- D. **Selection of Laboratory:-** The Company will have the sole discretion to select a NABL accredited Laboratory for this purpose.
- E. **Testing fees:-** The Company shall recover the cost of testing fees as intimated by NABL accredited laboratories by way of deduction from bills of vendors.
- F. **Acceptance of Material:-** The test report of samples, collected pursuant to clause A of this section in accordance with clause B to D above, indicating the sample to be in conformity to the specification will be considered as acceptance of material received by the consignee .
- G. **Status of other test reports :-** Notwithstanding any confirmatory report issued by the officers of the company and or by the agency appointed by the company in this regard, at any stage prior to collection of samples as specified above at “A”, the test report as mentioned above at F will be the sole criterion for acceptance of material .

9. **CONFLICTING INTEREST**

“No two or more concerns in which an individual is interested as a proprietor and / or partner shall tender for the execution of the same work. If they do so, all such tender shall be liable to be rejected”.

10. Bidders are also advised to furnish following documents: -

- a) Permanent Account Numbers (PAN) of all the partners/Directors (in case of company) along with names, addresses and telephone Nos./ Mobile Nos. of each Partner/Director.
- b) Latest partnership/ownership deed of the firm quoting the tender.
- c) Copy of list of directors (in case of a company) with names, addresses and telephone Nos./Mobile Nos. of each director.
- d) Power of Attorney to sign the tender documents and all correspondence before and after placement of order.

11. All the terms and conditions and technical specifications mentioned in the tender document purchased from the Chief Engineer (Corp. Office - Pur) O/o CMD (WZ) MPPKVVCL, GPH Compound Pologround, Indore shall only be applicable. As such, in case if it is down loaded from Web Site, it should be invariable verified by the bidder from the tender document purchased.

-Sd-

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

### **Section III (A) : Technical Specifications**

#### **Technical specification of 33 KV and 11 KV Current Transformers**

##### **1 SCOPE:-**

This specification covers design, manufacturing, testing, inspection before dispatch at manufacturers works of 11 KV Outdoor Single Phase Epoxy Cast /fully dry type and 33 KV Outdoor Single phase Epoxy cast Minimum Oil/fully dry type Current Transformers for relaying and metering purpose for 11KV and 33KV solidly grounded system complete with terminal connectors.

##### **2 GENERAL REQUIREMENT:-**

- 2.1 The 11 KV current transformers shall be of outdoor type, single phase, epoxy cast, dry type design placed in steel tank with adequate quantity of dehydrating agent and shall be suitable for operation in humid atmospheres and in the tropical direct sunlight with ambient temperature reaching up to 50°C. The fully dry type 11 KV CTs using combination of polymer and concrete of improved design are also acceptable subject to the condition that these improved design CTs are suitable for full guaranteed service life in humid atmosphere and in the tropical direct sunlight with ambient temperature reaching up to 50°C and sub zero temperature reaching in winter season.
- 2.2 The 33 KV current transformers shall also be of outdoor type, single phase, epoxy cast, but shall be oil immersed self cooled dead tank design These CTs shall also be suitable for operation in humid atmosphere and in the tropical direct sunlight with temperature up to 50°C. The fully dry type 33 KV CTs using combination of polymer and concrete of improved design are also acceptable subject to the condition that these improved designed CTs are suitable for full guaranteed service life in humid atmosphere and in the tropical direct sunlight with ambient temperature up to 50°C and sub zero temperature reaching in winter season.
- 2.3 The above 11 KV and 33 KV CTs meant for outdoor application should be suitable for use in areas prone to heavy lightning strokes. The CTs should be suitable for satisfactory operation under all types of adverse climatic conditions, prevailing in the State of M.P.
- 2.4 Further, the above CTs are required to be mounted on a cantilever support provided on out door structure of circuit breaker in the switchyard. The CTs will therefore, have suitable mounting holes in the base channel, for clamping on the structure. This specification does not cover supply of mounting structures for the CTs, which are being arranged by the purchaser along with the CBs structure, separately with breakers.
- 2.5 The offered CTs will be dead tank design. Live tank designs CTs are not acceptable.
- 2.6 The current transformers shall have the following specifications: -

SN	Particulars	11 KV	33 KV
i	Nominal system voltage	11 KV	33 KV

ii	Highest system voltage	12 KV		36 KV	
iii	Insulation level	28/75 KV		70/170 KVp	
iv	Short circuit level	250 MVA		1000 MVA	
v	Minimum creepage, distance	300 mm		900 mm	
vi	Current Ratio	200-100/5-5 & 300-150/5-5 & 500-250/5-5A		300/150-5/5 A & 200-100/5-5A	
vii	Cores	Core-I Protection	Core-II Protection	Core-I Protection	Core-II Protection
viii	Rated output in VA	15	10	30	30
ix	Accuracy class	10P10	0.5	5P10	0.5
x	Rated secondary current	5 Amps			
xi	Tank sheet thickness	Minimum 3 mm			
xii	System Earthing	Effectively grounded			
xiii	Frequency	50 cycles			

### 3 DESIGN:-

As stated above, the 11 KV CTs shall be of epoxy moulded dry type housed in steel tank, and 33 KV CT shall also be epoxy moulded but shall be filled with transformer oil. Accordingly the 11 KV CT after providing insulation between core and windings shall be moulded in epoxy compound and thereafter shall be housed directly in the tank, with suitable arrangement to avoid condensation either on the epoxy surface or inside of steel tank surface by providing sufficient quantity of dehydrating agent in bags. The 33 KV CTs after providing epoxy insulation shall be housed in the tank containing transformer oil. The steel tank thickness for both 33 KV and 11 KV CTs shall not be less than 3mm. Welded joints have to be minimized to avoid possibility of oil leakage in 33KV CTs and air leakage in 11 KV CTs. In any case welding in horizontal plane shall be avoided.

In case fully dry type 33 KV and 11 KV CTs using combination of polymer and concrete of improved design are offered, these CTs are also acceptable without any preference for improved technology subject to the condition that the improved designed CTs shall be suitable for guaranteed service life in humid atmosphere and in the tropical direct sunlight with ambient temperature up to 50°C and sub zero temperature reaching in winter season. In case these fully dry type CTs do not provide satisfactory service the same will have to be replaced by epoxy cast CTs of the design stated above, on free of cost basis.

#### **4 STANDARDS:-**

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

#### **5 DESIGN AND MANUFACTURING REQUIREMENT:-**

- 5.1 The 11 KV current transformers shall be outdoor single phase, epoxy moulded dry type with suitable arrangement to avoid condensation by placing dehydrating agent. The 33 KV current transformers shall also be single phase epoxy moulded but oil immersed, self cooled type suitable for the services indicated, complete in all respect conforming to the modern practices of design and manufacturing.
- 5.2 The core shall be of high grade, non-ageing electrical silicon laminated steel of low hysteresis loss and high permeability to ensure high accuracy at both normal and with 25 % over load current.
- 5.3 The current transformers shall be properly sealed to eliminate and prevent entry of air and moisture in the tank. For gasketed joints, wherever used, nitrile butyl rubber gaskets, neoprene or any other improved material shall be used. The gasket shall be fitted in properly machined 'O' groove with adequate space for accommodating the gasket under compression. The bidder has to submit complete details, drawings of gaskets for 33 KV & 11 KV CT, which they have provided between joints, and also for 33 KV CTs for mounting oil level indicator. The gasket will be of best quality to avoid leakage of oil.
- 5.4 The CTs shall be provided with a pressure-relieving device capable of releasing abnormal internal pressures. Design and arrangement of mounting of pressure release device and oil level gauge in 33 KV CT should clearly be indicated in drawing.
- 5.5 The maximum temperature attained by any part of the equipment, when in service, under continuous full load conditions and exposed to direct sun rays, shall not exceed 45 degree centigrade above ambient temperature of 50 °C reached in summer.
- 5.6 The primary winding, terminals, terminal connectors clamps etc. are required to be designed considering the continuous over loading of 25 percent. For continuous over loading, the ratio and phase angle error shall be maintained within the specified limit as per relevant ISS. Further, temperature rise during overloading shall be within the permissible limits specified in the relevant IS.

#### **6 WINDINGS:-**

- 6.1 The current transformer's core to be used for metering and instrumentation shall be of accuracy class 0.5 specified in Clause 2.6(ix) above. The primary winding shall be designed considering current density not exceeding 1.5 Amps/Sq.mm. The saturation factor of this core shall be low enough not to cause any damage to measuring instruments in the event of maximum short circuit current.
- 6.2 Current transformer cores to be used for protective relaying purposes shall be of accuracy class specified or appropriate class suitable for over current protection. The cores shall be designed for a minimum saturation factor of 10 for the highest setting. The magnetization curves for these cores shall be furnished along with the drawings of CTs.
- 6.3 The special purpose core of the three core 11 KV and 33 KV CTs shall be suitable for PS class conforming to IS (2705) Part IV. The knee point voltage of PS core shall not be less than 700 Volts
- 6.4 The rating of the secondary windings shall be 5 Ampere for two core CTs and 1 Ampere for three core CTs for special purpose PS class. For secondary connections,

threaded studs terminal shall be provided and brought out in a compartment on one side of current transformer for easy access. Further, the secondary terminals shall be provided with short-circuiting arrangement. The secondary taps shall be adequately re-enforced to withstand normal handling without damage.

- 6.5 Secondary terminal studs shall be provided with at least three nuts and adequate plain and spring washers for fixing the leads. The studs, nuts and washers shall be brass nickel plated. The minimum outside diameter of the studs should not be less than 6 mm. The length of at least 15 mm shall be available on the stud for inserting the leads.
- 6.6 The CT secondary terminals shall be brought out to a suitable weather proof sheet metal terminal box for termination of multi core cables. The terminal box shall be provided with one cable glands for each core, which shall be suitable for 4 core 1100 Volt grade PVC/XLPE Insulated 2.5 sq.mm. copper control cable. The dimension of terminal box and its opening shall be adequate to enable easy access and working space with use of normal tools. The outer cover of the secondary terminal box shall have proper arrangement of sealing.

## 7 INSULATION:-

- 7.1 The insulating oil for first filling in each 33 KV CT shall be in the scope of supplier. Best quality of new EHV Grade Transformer Oil should be used with the equipment with minimum BDV of 70 KV. The test certificate of the transformer oil shall be produced at the time of inspection. The oil shall comply in all respect with the latest version of IS-335:1983.
- 7.2 The current transformers shall be single phase, multi core, and separately mounted, freestanding, type for outdoor installation.
- 7.3 All porcelain insulators shall be prepared from wet process porcelain with arrangement for hermetically sealing of the metallic tank containing the core and the secondary winding.
- 7.4 The terminals of primary and secondary winding shall be clearly marked according to relevant standards.

## 8 INSULATION WITH STAND CHARACTERISTICS:-

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

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

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

## 9 TYPE OF MOUNTING:-

The CTs shall be mounted on CT bracket, provided on Circuit Breaker's structure.

#### **10 TERMINAL CONNECTORS:-**

- 10.1 The terminals of primary and secondary winding shall be clearly marked according to relevant standards and shall conform to latest version of IS:5561 or equivalent International Standard. In respect of the terminal connector following shall be ensured:-
- (a) The primary terminals of 33 KV, CTs for transformer and line protection shall be of non-ferrous corrosion-proof material and shall be provided with suitable terminals connectors to receive panther Conductor.
  - (b) The primary terminals of 11 KV, CTs having three cores for transformer protection shall be of non-ferrous corrosion-proof material and shall be provided with suitable terminal connectors to receive twin Panther conductor.
  - (c) The primary terminals of 11 KV CTs having two cores for line/Transformer protection shall be of non-ferrous corrosion-proof material and shall be provided with suitable terminals connectors to receive single Panther conductor.
- 10.2 All above terminal clamps shall be designed adequately to take care of any bimetallic effect. Terminal connectors shall be tested for short circuit current capability, and temperature rise. The terminal connector shall also meet the following requirements :-
- a) Terminal connectors shall be manufactured by gravity/pressure die casting & tested as per IS:5561.
  - b) All castings shall be free from blow-holes, surface blisters, cracks and cavities. All sharp edges and corners shall be blurred and rounded off.
  - c) No part of the clamp shall be less than 12 mm thick.
  - d) The nuts, bolts & washers used in the current path shall be hot dipped galvanized
  - e) The bimetallic strips/ sleeve liner of minimum thickness of 2 mm shall be made by electroplating process.
  - f) All current carrying parts shall be designed and manufactured to have minimum contact resistance.
  - g) The terminal connectors should be made of A6 Aluminium Alloy and manufactured by gravity/pressure die-casting process only. Sand die-caste 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 six bolts. Conductor hold length must not be less than 100 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 each hole at both the sides of conductor holding portion for better mechanical strength.
- 10.3 The Tank of each CT shall be provided with two separate earthing terminals, which shall have non painted surface for making bolted connection to 50x6 mm. MS flat to

be provided by the purchaser for connection to station earth mat. Suitable drawing should be submitted with the bid.

**11 STUDS:-**

The length of the primary studs available for clamping the terminals shall not be less than 50 mm. Minimum 2 nuts with a check nut and washer should be provided on upper side of stud. The minimum size of stud should be 16mm. Further, the primary studs shall be designed for carrying current of at least 1.5 times the primary winding continuously.

**12 BUSHING:-**

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

**13 TESTS:-**

(I) Short time current ratings:-

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

a) Thermal Ratings :-

Short time thermal current rating assigned to the CTs for the rated time of 1 second shall be 13.1KA for 11 KV CT and 18.4 KA for 33 KV CT.

b) Dynamic Rating :-

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

(II) Temperature Rise :-

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

**14 TESTS:-**

**(A) TYPE TEST:-**

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

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

**(B) ROUTINE TESTS:-**

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

- a) Verification of terminal markings and polarity
- b) Power frequency dry withstand tests on primary windings
- c) Power frequency dry withstand tests on sec. windings
- d) Over-Voltage inter-turn test
- e) Determination of errors according to the requirements of the appropriate accuracy class
- f) Partial discharge test
- g) Vacuum and pressure test on one CT tank of the offered lot.

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

**16 RATING PLATE:-**

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

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

### **Section III (B) : Technical Specifications**

#### **11 KV EPOXY CAST DRY TYPE SINGLE PHASE PTs**

11 KV Single Phase Potential Transformer shall conform to IS-3156:92 with its latest amendments if any.

Since epoxy resin are liable to weathering when exposed to atmosphere, the complete unit shall be contained in a full weather proof outdoor pole mounting type steel tank with one number of 11 KV weather proof porcelain bushing on the primary side for incoming connections.

Secondary terminals of the potential transformers shall be brought-out on the side of the tank to a separate terminal box. Box shall be made suitable for taking out secondary connections through PVC Cables. Entry of the cables into the box of the unit shall be through glands and check nuts to be supplied along with epoxy compound.

The transformer tank shall be given three coats of rust preventing paint and finished with light gray no. 631-IS-S on all external surfaces. The tank shall be provided with lifting hooks properly welded on the side or top cover plate of the tank.

The dimensions and electrical characteristics of the 11 KV bushing shall be in accordance with IS: 2099 and its subsequent amendments, if any.

The minimum electrical clearance between phases and phase to earth shall be as per ISS.

The top of the tank will have slope to drain the rain water and avoid collecting pockets.

To prevent moisture entry in the bushing chamber, the nuts on the top of the stem would be sealed with araldite. Further, the angular space between the stem and the bushing will be filled with epoxy cast compound or with araldite to prevent ingress of moisture.

The insulating materials for winding between HV and LV between interlayer of the winding for end turns shall be as per relevant ISS. However, end turns have to be provided with enforced insulation and lead connecting to the bushing shall be provided extra insulation of fiber glass sleeves.

Voltage rating, PT ratio, class of accuracy, burden of 11 KV Single Phase PTs shall be engraved/painted on the body of main tank as well as on name plate.

The potential transformer will be connected phase to neutral with neutral point solidly earthed. The neutral of the system is also solidly earthed.

The potential transformers shall be designed to limit the temperature of winding and other parts as specified in the standards, when corrected for the difference between the temp. prevailing at site and temperature specified by the standards. The

temperature rise at 1.2 times rated primary voltage when applied continuously at rated frequency and at rated burden shall not exceed the limits specified above and the temperature rise at 1.5 times rated primary voltage when applied for 30 seconds starting from previous stable operating conditions at the rated frequency and rated burden shall not exceed the above temperature limits by more than 10°C.

### 15.1 TYPE TESTS

The Single Phase PT shall be type tested, as per IS-3156/1992 with latest amendment, if any from NABL accredited testing laboratory. The type test comprises of following:-

1. Temperature Rise Test
2. Lightning Impulse Test
3. Determination of errors or other characteristics according to requirement of the appropriate designation or accuracy class.
4. HV Power frequency wet withstand voltage test.

### 15.2 ROUTINE TEST

Each 11 KV Single Phase PT shall be subject to routine tests in accordance with IS-3156 (with it latest amendment if any) at firm's works and shall be witnessed in the presence of owner's representatives, if so, desired by the owner. The routine test comprises of following:-

- Verification of terminal marking and polarity test
- Power Frequency Dry withstand voltage test on Primary winding
- Induced over voltage withstand test
- Power Frequency Dry withstand test on Secondary winding
- Partial Discharge Tests in accordance with IS-11322/1985
- Determination of errors or other characteristics according to requirement of the appropriate designation or accuracy class.

Routine tests indicating results of all the required tests should be submitted in duplicate by the firm along with the inspection offer or with inspection report.

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

## SECTION - IV

### **PRICE VARIATION FORMULA FOR INSTRUMENT TRANSFORMERS BELOW 72.5 KV (Current and Potential Transformers designed for operation on system voltage below 72.5 KV)**

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

$$P = \frac{P_o}{100} \left\{ 18 + 18 \frac{C}{C_o} + 20 \frac{ES}{ES_o} + 10 \frac{IS}{IS_o} + 12 \frac{ER}{ER_o} + 09 \frac{TB}{TB_o} + 13 \frac{W}{W_o} \right\}$$

Wherein,

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

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

C<sub>o</sub> = Average LME settlement price of copper wire bars (refer notes).

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

ES<sub>o</sub> = C&F price of CRGO Electrical Steel Sheets (refer note)

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

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

This index number is as applicable for the week ending 1<sup>st</sup> Saturday of the month, three months prior to the date of tendering.

ER<sub>o</sub> = Price of Epoxy Resin (refer notes).

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

TB<sub>o</sub> = Price of Transformer Oil Base Stock (refer notes).

This price is as applicable on the 1<sup>st</sup> working day of the month, two months 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 number is as applicable on the 1<sup>st</sup> working day of the month, three months prior to the date of tendering.

For example, if the date of tendering falls in October 2008, the applicable prices of Copper Wire Bars ( $C_o$ ) and Transformer Oil Base Stock ( $TB_o$ ) should be for the month of August 2008, where as the applicable price of CRGO Electrical Steel Sheets ( $ES_o$ ) and Epoxy Resin ( $ER_o$ ) should be as on 1<sup>st</sup> September 2008 and Wholesale price index number for 'Iron and Steel' ( $IS_o$ ) should be for the week ending 1<sup>st</sup> Saturday of July 2008 and all India average consumer price index number ( $W_o$ ) should be for the month of July 2008.

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

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

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

ES = C&F price of CRGO Electrical Steel Sheets (refer note)

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

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

This index number is as applicable for the week ending 1<sup>st</sup> Saturday of the month, three months prior to the date of delivery.

ER = Price of Epoxy Resin (refer notes).

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

TB = Price of Transformer Oil Base Stock (refer notes).

This price is as applicable on the 1<sup>st</sup> 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 number is as applicable on the 1<sup>st</sup> working day of the month, three months prior to the date of delivery.

For example, if the date of delivery in terms of clause given below falls in December 2008, the applicable prices of Copper Wire Bars (C) and Transformer Oil Base Stock (TB) should be for the month of October 2008, where as the applicable price of CRGO Electrical Steel Sheets (ES) and Epoxy Resin (ER) should be as on 1<sup>st</sup> November 2008 and Wholesale price index number for 'Iron and Steel' (IS) should be for the week ending 1<sup>st</sup> Saturday of September 2008 and all India average consumer price index number (W) should be for the month of September 2008.

The “date of delivery” is the date on which the switchgear equipment is notified as being ready for inspection/despatch.(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. Instrument transformer manufacturers import major raw material like copper, CRGO Electrical Steel Sheets and TOBS etc. The landed cost of these imported raw material includes applicable custom duty exclusive of modvatable CVD.
- (b) All prices are as on first working day of the month.

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

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

Sr. No.	Particulars	Tender Quantity (in Nos.)	Qty Offered (in Nos.)	Ex-works price (Rs./Nos.)	Freight & Insurance charges for delivery in any Area Stores of WZ (Rs./Nos.)	Total FOR price exclusive of taxes & duties (Rs./ Nos.) (5+6)	ED on Ex-works price (indicate in % only)	Central Sales tax / VAT on Ex-works price plus ED (indicate in % only)	Any other levies / tax/ indicate and specify in % only)	Entry Tax on total price (indicate in % only)	Total FOR destination price inclusive of all taxes and duties i.e. Total of (5+6+8+9+10+11) (Rs/ Nos.)
1	2	3	4	5	6	7	8	9	10	11	12
1	<b>11 KV, 0.5 class outdoor Single Phase Epoxy Cast Dry type Current Transformer conforming to IS:2705 along with Terminal Clamps and as per Technical Specification attached.</b>										
(i)	200-100/5-5A	466									
(ii)	300-150/5-5A	254									
(iii)	500-250/5-5A	30									
2	<b>33 KV, 0.5 class outdoor Single Phase Epoxy Cast Minimum Oil Current Transformer of following ratio conforming to IS:2705:1992 along with Terminal Clamps with latest amendment and technical specification attached.</b>										
(i)	200-100/5-5A	276									
(ii)	300/150/5-5 A	18									
3	<b>11 KV, Single Phase, Potential Transformers conforming to IS-3156:92 with its latest amendments and as per technical specification attached.</b>	120									
<b>Discount if any</b>											
<b>Conditions to avail above discount if any</b>											

**TS NO. CMD/WZ/06/PUR/456 DUE ON 03.08.2010**  
**SUPPLY OF CURRENT TRANSFORMER / POTENTIAL TRANSFORMER**

**NOTE**

1. Discount, if any, must be clearly mentioned above. However, it may be noted that for evaluation purpose, only unconditional discount shall be taken into consideration. Conditional discount of any type, will not be taken into account for evaluation purpose. However, in the event of such an offer, without considering discount, is found to be lowest, the purchaser may avail such discount at the time of award.
2. Rates in various tapering steps shall not be considered.
3. 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.
4. Payment of any type of Govt. statutory levies/ taxes will be responsibility of the bidder.
5. **The quoted price should be “VARIABLE”.**
6. Cost of entry tax must be included in the quoted prices even if responsibility for payment of entry tax rests with purchaser.
7. If any taxes are not quoted as per the currently applicable rates without giving details or proof of applicability of the taxes at any concessional/ higher rates, the purchaser reserves the rights to load the quoted prices as per the applicable rate of taxes prevalent at the time of bid evaluation for price comparison purposes. However, responsibility in this regard shall solely rest with bidder.
8. Tender is due on dated 03.08.2010, therefore prices of IEEMA Circular dated 01.07.2010. (please enclosed IEEMA Price Circular, along with the offer).
9. In case of any ambiguity or conflict between the Techno-commercial Offer and the Price Bid (i.e. this schedule) the Price Bid shall prevail.

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

**Place-**

**Name (in full) :**

**Date-**

**Designation :**

**SCHEDULE – II (A)**  
**GUARANTEED TECHNICAL PARTICULARS OF 11 KV AND 33KV CURRENT TRANSFORMERS**

S.N.	Particulars	11 KV			33 KV	
		200-100/5-5A	300-150/5-5A	500-250/5-5A	200-100/5-5A	300-15/5-5 A
1	Manufacturer's name & place of manufacturing					
2	Manufacturer's type designation of CT					
3	Rated Voltage (KV)					
4	Rated Primary Current (Amps)					
5	Rated Secondary Current (Amp)					
6	Short time thermal current for 1 sec. (KA)					
7	Rated Dynamic Current (KAp)					
8	Frequency (Hz)					
9	Insulation level (KV/KVp)					
10	Number of cores					
11	Epoxy composition					
	<b>(i) Resin:-</b>					
	(a) Make					
	(b) Type					
	I Ratio, process of making (Hot or Cold)					
	<b>(ii) Filler:-</b>					
	(a) Make					
	(b) Type					
	I Ratio process of making (Hot or Cold)					
	<b>(iii) Hardener:-</b>					
	(a) Make					
	(b) Type					
	I Ratio process of making (Hot or Cold)					
12	<b>(A) Metering Core:-</b>					
	(i) Rated Burden					
	(ii) Class of accuracy					
	(iii) ISF					
	<b>(B) Protection Core :-</b>					
	(i) Rated Burden					
	(ii) Class of accuracy					
	(iii) ALF					
	(iv) Knee point voltage(Min)					
	(v) Secondary limiting EMF					
	(a) Lower Ratio					
	(b) Higher Ratio					
	(vi) Composite error					
	(a) Lower Ratio					
	(b) Higher Ratio					

S.N.	Particulars	11 KV			33 KV	
		200-100/5-5A	300-150/5-5A	500-250/5-5A	200-100/5-5A	300-15/5-5 A
	(vii) Exciting current (A)					
	(a) Lower Ratio					
	(b) Higher Ratio					
	(viii) Secondary Winding resistance at 75 °C					
	(a) Lower Ratio					
	(b) Higher Ratio					
13	No. of secondary turns/cross section					
14	No. of primary turns/cross section					
15	<b>Winding material:-</b>					
	(i) Primary					
	(ii) Secondary					
16	Rated continuous current					
17	Class of insulation					
18	Thickness of sheet steel enclosure of CT (mm)					
19	Weight of CT after epoxy molding (Kg)					
20	Weight/Qty. of oil used (Ltr)		N.A.			
21	Total weight of CT with enclosure, bushing, oil (as applicable) etc. (Kg)					
22	<b>Dimensions of CT:-</b>					
	(a) Length					
	(b) Width					
	(c) Height					
23	Size of base channel					
24	Vertical height between bottom of the terminal to the base of the mounting plate					
25	Provision of 2 nos. Bimetallic Terminal connector suitable for AAAC Dog conductor.					
26	Size of Primary and Secondary studs					
27	Make of HV bushing & its creepage distance					

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

**Place-**

**Name (in full) :**

**Date-**

**Designation :**

**SCHEDULE – II (B)**  
**GUARANTEED TECHNICAL PARTICULARS OF 11 KV**  
**POTENTIAL TRANSFORMER**

S. No.	PARTICULARS	Requirement	To be categorically specified by the tenderer
1.	Type & Designation of the P.T.	Single phase, Outdoor Epoxy Resin Cast Pole mounted Dry Type PT	
2.	Nominal system voltage	11 KV	
3.	Highest system	12 KV	
4.	Rated Primary Voltage	11 KV/ $\sqrt{3}$ Volts	
5.	Rated Secondary voltage	110 Volts/ $\sqrt{3}$ Volts	
6.	Rated Transformation ratio	11000 / $\sqrt{3}$ V / 110/ $\sqrt{3}$ V	
7.	frequency	50 Hz	
8.	Rated output	50 VA	
9.	Rated Insulation Level	12 KV/28 KV/ 75 KV	
10.	Accuracy Class	0.5	
11.	No of phases	Single	
12.	Type of supply and Earthing connections	3 phases effectively earthed	
13.	Rated Voltage factor and duration	1.2 continuous and 1.5 for 30 seconds	
13	No of primary winding turns / cross section/material	1. No of primary winding turns 1000 2 cross section to be indicated 3 material – copper	
14.	No of secondary winding turns / cross section/material	1. No of secondary winding turns 100 2. Cross section to be indicated 3 material – copper	
15	Size of primary terminals	12 mm diameter	
16	Size of secondary terminals/ neutral	6 mm diameter	
17	Make of primary / Secondary bushings	To be indicated	
18.	Creepage distance of primary bushings	320 mm	
19.	Class of insulation	Class F	
20.	a.Total Weight	To be indicated	
	b. Weight of core	To be indicated	
	c. Weight of Primary winding	To be indicated	
	d. Weight of secondary winding	To be indicated	

<b>S. No.</b>	<b>PARTICULARS</b>	<b>Requirement</b>	<b>To be categorically specified by the tenderer</b>
21.	Material and thickness		
	a. Inter layer insulation of PT	To be indicated	
	b. Insulation between Primary and secondary	To be indicated	
22.	Resistance of winding at 75 degree centigrade		
	a. Primary winding	To be indicated	
	b. Secondary winding	To be indicated	
23	Max Temp rise of winding( Ambient Temp-45 )	To be indicated	
24	Shortest distance between metal parts and earth	To be indicated	
25	Winding connection	Y-Y	
26	Dimensions of tank only (mm) As per IS:2099		
	a. Height including bushing	To be indicated	
	b. Breadth	To be indicated	
	c. Length	To be indicated	
27	Gauge of tank	2.5 mm (minimum)	
28	Terminal connector with 2 check nuts	Suitable for AAA Dog/ Racoon/Rabbit	
29.	Make, type & range of Ammeter	0-10A, DPM type	

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

**Place-**

**Name (in full) :**

**Date-**

**Designation :**

**SCHEDULE – II (C)**

**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, who has participated in the WZ  
Discom tender No. ----- due for opening on -----  
--- for procurement of -----.

SIGNATURE OF TENDERER

NAME IN FULL

DESIGNATION/ STATUS IN THE FIRM

COMPANY SEAL

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

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**Volume II**

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## Section V: General Instructions to Bidders

The Chief Engineer (Corporate 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 materials/ equipments** as per the specifications, at various places of M P Paschim Kshetra Vidyut Vitran Co Ltd, Indore.

### 1. **GENERAL :-**

- (i) The bidders are requested to ensure that they furnish the offer in duplicate and each page of the tender should be signed and duly stamped by the bidder. Any over corrections / overwriting should be signed by the bidder. An offer with corrections / overwriting without signature of the bidder is likely to be rejected.
- (ii) The Bidders are requested to ensure that all required schedules duly filled-in, are submitted with the offer. The bidders should also note that in absence of any of the schedules, their offer is likely to be rejected.
- (iii) Transfer of the documents purchased by one bidder to any other bidder is not permissible.
- (iv) The submission of a tender by the bidder implies that he has read and accepted the instructions, conditions of the contract and made himself aware of the scope and specifications of the work to be done/ supplies to be made. The company will not, after acceptance of contract rate, pay extra charges for any reason whatsoever, in case the bidder is found later to have misjudged any condition(s).
- (v) It is necessary to purchase the tender documents from the office of Tender issuing authority. Tender documents downloaded from web-site will not be accepted, as the same are for information / guidance only.

### 2. **EARNEST MONEY:-**

- (i) Unless EMD amount has been specified in the Notice Inviting Tender (NIT), the Bidder shall deposit the Earnest Money amount vis-à-vis the value of the material offered as shown hereunder. However, in case EMD amount has been specified in NIT, same shall be applicable:-

	<b>Value of Material</b>	<b>Earnest Money</b>
a)	Upto Rs. 10000/-	Rs. 100/-
b)	Above Rs. 10000/- and upto Rs.2.5 Lakhs	@ 1%
c)	Above Rs. 2.5 Lakh and upto Rs. 3.0 Lakhs	Rs. 2,500/-
d)	Above Rs. 3.0 Lakh and upto Rs. 7.0 Lakhs	Rs. 5,000/-
e)	Above Rs. 7.0 Lakh and upto Rs. 15.0 Lakhs	Rs. 7,000/-
f)	Above Rs. 15.0 Lakhs and upto Rs.25.0 Lakhs	Rs. 10,000/-
g)	Above Rs. 25.0 Lakhs and upto Rs. 35.0 Lakhs	Rs. 15,000/-
h)	Above Rs. 35.0 Lakhs and upto Rs. 50.0 Lakhs	Rs. 20,000/-
i)	Above Rs. 50.0 Lakhs and upto Rs. 75.0 Lakhs	Rs. 30,000/-
j)	Above Rs. 75.0 Lakhs and upto Rs. 100.0 Lakhs	Rs. 40,000/-
k)	<b>Above Rs. 100.0 Lakhs</b>	<b>Rs. 50,000/-</b>

- (ii) The bidders are permitted to quote for part quantities and pay earnest money only to the extent of the participation on the basis of slabs specified above. If the earnest money amount is found to be less than required for corresponding value of the

materials offered, the offer shall be deemed to be limited to that quantity only. Amount of EMD and method of deposit must be mentioned on the Main Envelope of the bid.

- (iii) **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 bidder. The Earnest Money can be deposited by Bank Draft drawn in favour of Senior Accounts Officer, MPPKVVCL, Indore.
- (iv) **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 MPPKVVCL. **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) 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 MPPKVVCL and Govt. undertaking) are permitted to furnish the EMD @ 50% (Half) of the rates prescribed above. Here 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 of DIC of the area, or an officer of MPPKVVCL not below the rank of EE, or any Gazetted 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) No interest shall be paid on EMD amounts
- (viii) **Return of earnest money to bidders.**
- a) EMD shall be returned to the unsuccessful bidders, as soon as possible, after the tender is decided.
  - b) EMD of bidders on whom the orders have been placed, shall be returned on acceptance of security deposit.

3. **TAXES AND DUTIES**

Bidders are requested to refer **Section V - General Terms and Conditions of Purchase**, regarding applicable taxes and statutory levies, and quote the prices accordingly.

4. **DISCOUNT**

Discount, if any, must be clearly mentioned in the **Schedule I – Price Bid**. However, it may be noted that for evaluation purpose, only unconditional discount shall be taken into consideration. Conditional discount of any type, will not be taken into account for evaluation purpose. However, in the event of such an offer, without considering discount, is found to be lowest, the purchaser may avail such discount at the time of award.

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 any working day, between 10:30 hours to 15:00 hours only. **Nobody is 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 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**

If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and total price shall be corrected. In case of ambiguity between rates in figures and words, the amount quoted in words would generally prevail. However, company may, in its sole discretion, take any other interpretation which appears reasonable considering facts and circumstances of the case in totality, or reject such offers.

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.
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. **VAT CLEARANCE CERTIFICATE**  
The bidder shall furnish VAT 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 clearance certificate or the reasons for the bidder's inability to furnish such a certificate are not furnished.
20. **INFORMATION & QUESTIONNAIRE SUBMISSION**  
Questionnaires for various information to be furnished by bidders are enclosed with the "Tender" as Schedule III Part A, B and C (for general, commercial & technical details). It is compulsory on the part of the bidder to furnish all details as per the Schedules. In case, the same are not filled up and enclosed with the tender, the bid is likely to be rejected.

In addition, a check list is attached (Schedule VI) with the tender document. Bidders are requested to fill it carefully to ensure that there are no shortcomings in the documents being submitted. Duly filled-up checklist may please be submitted with the Part II - Technical & Commercial bid.

**21. DEVIATIONS FROM TERMS/CONDITIONS**

Offers with deviation in the terms of payment, liquidated damages, security deposit and performance guarantee are liable to be 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 “A” and “B” stating fully the reasons thereof. Unless this is done, these conditions and specifications will hold good, as acceptable to the bidder.

It may clearly understood that, even if deviations have been mentioned anywhere in the offer, the same shall not be taken in to cognizance unless the same are specifically mentioned in the deviation schedule(s). Deviation Schedules must be duly stamped & signed (even when all terms and condition acceptable).

**22. PAST EXPERIENCE**

Bidders 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 IV”. 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. PROCEDURE FOR SUBMISSION OF BIDS:-**

- (i) The bid shall be submitted in three (3) parts:-

**Part-I** shall contain “**EARNEST MONEY DEPOSIT or DOCUMENTS WHICH ENTITLE FOR EXEMPTION FROM EMD**”.

**Part-II** shall contain “**COMMERCIAL BID AND THE TECHNICAL BID**”

The details about Part I and Part II are discussed in Sections II to VII and Schedules II to VII of the tender documents. Relevant information that the bidders are liable to submit, comprises duly filled-in Questionnaire, all schedules and 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 show 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 bidder. 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, PENALTY, 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/  
Due For Opening On-  
For Procurement Of- Supply of  
This Envelope Contains 3 Separate Envelopes For  
Part I ..... “Earnest Money Deposit”  
Part II ..... “Commercial And Technical Bid”  
Part III ..... “Price Bid”**

**TO,**

**The Chief Engineer (Corporate 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> |

**EMD has been deposited in the form of -**

**Signature Of Bidder  
Status And Company’s Seal**

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

- (i) The offers shall be **valid for 180 days**. Validity of the offer shall be counted from the date of opening of bids.
- (ii) 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.
- (iii) However if due to circumstances, beyond control, bidders 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.

**25. DATE AND TIME OF OPENING OF BIDS – CHANGES**

- (i) Tender shall be opened on the due date and time as notified in the presence of the bidders or their authorized representatives who may be present.
- (ii) If the due date of opening / submission of tender documents is declared as holiday by Central / State Govt. or local Administration, it will automatically get shifted to the next working day, for which no prior intimation shall be given.
- (iii) The tender opening shall be continued on subsequent day, in case opening of the entire tender is not completed on the day of opening.
- (iv) 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.

**26. AUTHORISATION/ LOCAL REPRESENTATIVE**

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

**27. CANVASSING OF BIDS**

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

The company desires to deal directly with the manufacturer/bidder, to avoid delay in decision making. It will be in the interest of bidder to avoid liaison agent / commission agent.

**28. INTERESTED CONCERNS**

No two or more concerns in which an individual is interested as a proprietor and/ or partner shall tender for execution of same work/ supply. If they do so, all such tenders shall be liable to be rejected.

**29. 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 bidder may be one of the main criteria for quantity to be ordered on each successful bidders.”

**30. 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 bidders.

**31. 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.

**32. EVALUATION OF OFFERS AND 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 bidders.
- (iii) If any taxes are not quoted as per the currently applicable rates without giving details or proof of applicability of the taxes at any concessional/ higher rates, the Company reserves the rights to load the quoted prices as per the applicable rate of taxes prevalent at the time of bid evaluation for price comparison purposes. However, responsibility in this regard shall solely rest with bidder.
- (iv) **UNSATISFACTORY PERFORMANCE** - Even on fulfilment of all the criteria it may please be noted that:-
  - a. Offers of those bidders, who have been debarred / black listed for future business with our company/MPSEB/other Discoms, may be summarily rejected.
  - b. 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:-
    - i. Non-execution of previous order(s)/inordinate delay in supply of material.
    - ii. Failures of material in testing & non-replacement of the same by the supplier.
    - iii. Failures of material as reported en-mass by the field officers.

**33. CHANGE OF QUANTITY**

The quantity indicated in the tender are indicative only. 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. No correspondence shall be entered

into, neither discussed regarding quantity variation, nor any reason will be assigned thereof.

**34. 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.

**35. DESTINATIONS WHERE MATERIALS ARE REQUIRED**

The materials as per the specifications are required for various Area Stores/ places situated as mentioned in **Section VI**.

**36. SAMPLE**

If requisitioned / specified in the *Volume I of the tender document*, the Bidders shall have to submit sample of equipments/ goods being supplied. In the absence of the requisitioned/ specified sample(s) the offer is likely to be ignored.

**37. PRECEDENCE IN INTERPRETATION OF TERMS AND CONDITIONS**

In case of any conflict between **General Terms and Conditions of Purchase** and **Special Terms and Conditions of Purchase**, the Special Terms and Conditions of Purchase would prevail.

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

## **Section V: General Terms and Conditions of Purchase**

### **1. PRICES AND STATUTORY LEVIES: -**

- (i) It is obligatory that VARIABLE and FOR destination, prices are quoted clearly, giving break-up in the following elements:
  - (a) Unit Ex-works/Ex-godown rate including packing.
  - (b) Excise duty applicable on Ex-works prices as on date of Bid.
  - (c) Sales Tax: (i) C.S.T.  
(ii) VAT
  - (d) Forwarding & Freight-Insurance Charges
  - (e) Any other levy /taxes. The details and rate to be specified.
  - (f) Entry Tax
  - (g) In case of exemption from excise duty and/ or Sales tax, documentary evidence shall be furnished with the offer.
  - (h) 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, 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 Excise duty, Central Sales Tax/ VAT 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, Central Sales Tax /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/ Central Sales Tax VAT 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.
- (ix) In case any new tax is made applicable after submission of bids by the bidders, additional payment on account of such new taxes would be considered by the company. However, decision of the company would be final in this regard.

- (x) In case of non-registration with Commercial Tax Department, Purchase Tax as admissible shall be deducted by the purchaser from the bills of the supplier.
- (xi) 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 for availing concessional CST, (wherever applicable and if so mentioned in Special Terms & Conditions of Purchase), shall be furnished after receipt of material at destination and verification of the legal position at our end.
- (xii) **Entry Tax:** Entry tax is payable in the state of MP, in accordance with the provisions of Entry Tax Act 1976. Following provisions shall apply regarding Entry Tax.
- 1.1 The cost of entry tax must be included in the quoted prices, even in those cases where liability for payment of entry tax rests with Purchaser. The price bid (Schedule I of bid documents) must be filled up by bidder accordingly.
  - 1.2 If the quoted entry tax in the price schedule is incorrect, or in case of any ambiguity/ confusion, the same shall be corrected/ loaded by purchaser at the time of bid evaluation. The responsibility in this regard shall solely rest with bidder.
  - 1.3 In the commercial questionnaire (Schedule III Part B), the bidder has to clearly indicate whether '**Entry Tax Paid**' goods shall be supplied or Entry Tax shall be required to be paid by Purchaser to the commercial tax department (even though cost of entry tax is included in quoted prices).
  - 1.4 If '**Entry Tax Paid**' goods are being supplied, then vendor shall have to comply with following conditions-
    - 1.4.1 The vendor shall have to raise the invoice as a registered dealer (or manufacturer) of MP State (i.e. TIN number on invoice must be of MP State).
    - 1.4.2 The invoices must clearly be stamped as '**Entry Tax Paid by Supplier**' which must be duly authenticated by vendor.
    - 1.4.3 "**C-form**" for such transactions shall not be issued by purchaser.
    - 1.4.4 Transaction must NOT be in the nature of "**Inter-State Sale**" or "**Sale in Transit (E1-C/ E2-C etc.)**" type.
    - 1.4.5 The vendor shall have to furnish a certificate at the time of submission of invoice that he has complied with aforesaid conditions (i.e. clause 1.4.1 to 1.4.4). If any of the above conditions (1.4.1 to 1.4.4) are not met at the time of supply, the applicable amount of Entry Tax shall be deducted by purchaser from the invoice of the vendor at the prevalent rates and deposited with the Commercial Tax authorities under the TIN number of purchaser.
  - 1.5 If Entry Tax is required to be paid by purchaser , the amount of entry tax shall be deducted from the invoice of the vendor and remitted to the Commercial Tax department under TIN number of purchaser.
  - 1.6 It is specifically clarified that if any liability is raised on the purchaser, by the concerned tax department at a later date, on account of Entry Tax, the amount of liability will be recovered from the vendor's pending bills/ security deposit, or recovered in any other manner as may deem fit.

2. **PRICE VARIATION:** -

- 2.1 The quoted price of the tendered items shall be on VARIABLE and 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. The ex-works cost and cost of freight & insurance charges have to be indicated in schedule-I.
- 2.2 The Ex-works prices of PVC cables, the tenderers are advised to quote their VARIABLE prices. The price variation shall be payable as per PV formula indicated in schedule-III. 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**

- (i) Responsibility regarding covering of risk during transit of material shall entirely be on the supplier. The Company shall, in no case, bear the transit risks/ transit insurance charges.
- (ii) Transit damages/ shortages/ losses shall be reported by the consignees within 30 days from the receipt of the consignments. Such damages / shortages/losses shall be repaired/ replaced by the 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.
- (iii) While necessary assistance shall be rendered by the consignee in lodging and processing the claims with carriers and the supplier's insurance underwriters, the responsibility shall rest with the supplier to immediately make good the shortages/losses/ damages, without any extra cost and without waiting for the settlement of the claim.
- (iv) In the case of transport damages/ shortage, the payment shall be made only for the quantity received in good and working condition.

**4. INSURANCE:-**

The bidder will be responsible for taking out any appropriate insurance coverage, as may be required for successful completion of the work/ supply, at their own cost.

**5. PACKING AND FORWARDING**

- (i) 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.
- (ii) Each package shall be prominently and distinctly marked on at-least two faces, indicating full address of the consignee, destination station, name of equipment, purchaser's order number, weight and volume of the package etc.
- (iii) 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.
- (iv) 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.

**6. MODE OF DISPATCH**

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

**7. SUBMISSION OF DRAWING AND LITERATURE**

All the relevant literature / drawings shall be submitted along with the offer.

**8. 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.

**9. RIGHT TO CARRY OUT THE INSPECTION DURING MANUFACTURING**

In case of Manufacturer Vendors, 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.

**10. FACTORY INSPECTION**

- (i) The factory inspection of the Manufacturer Bidder, who have not executed any order of MPPKVVCL, shall be carried out before placing detail order.
- (ii) 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.

**11. 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.

**12. DELIVERY**

Delivery schedule shall be as mentioned in Section II - Special Terms and Conditions of Purchase.

**13. FORCE MAJEURE**

Force majeure condition is herein defined as:-

- (i) Natural phenomena, such as floods, draught, earth-quakes and epidemics.
- (ii) Act of any Government Authority, domestic or foreign, such as war, quarantines, embargoes, licensing control or production or distribution restrictions.
- (iii) Accident and 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.
- (iv) Strikes, slow down, lockout containing for more than three (3) weeks.
- (v) Failure or delay in the supplier's source of supply, due to force majeure causes enumerated at (i) to (iv) above, provided the supplier produces documentary evidence to show that there were no other alternative sources of supply available to him or if available, the lead time required was likely to be longer than the duration of the force Majeure at the normal source of supply.
- (vi) Any cause which is beyond the reasonable control of the supplier or purchaser as the case may be.

- (vii) All the provisions of this clause shall apply whether the disruption caused is total or partial in its effect upon the ability of the supplier to perform.
- (viii) The cause of force majeure condition will be taken into consideration only if the supplier, within 15 days from the occurrence of such delay gives a proper notice to the purchaser. The MPPKVVCL shall verify the facts and may grant such extension in delivery period as the facts justify. For delivery time extension due to force majeure conditions, the supplier shall submit his representation with documentary evidence for scrutiny by the purchaser and decision of the MPPKVVCL shall be binding on the firm.

**14. TERMS OF PAYMENT**

Payment Terms & Procedure shall be as mentioned in Section II - Special Terms and Conditions of Purchase.

**15. PENALTY FOR DELAY**

The time for delivery of the material shall be deemed to be the essence of the contract. In case of delay in execution of the order, the Company, at its discretion, shall recover from the vendor as penalty, a sum equal to ½ % of the price of any stores not delivered, for every week of delay. For the purpose of this clause, part of a week shall be considered as full week. However, maximum penalty under this clause shall be restricted to 10 % of the order value. This will be without prejudice to other remedies available to the Company as per the laws of India, or terms of this Tender.

For this purpose, the date of offer for supply of material in the office of the Order Placing Authority shall be considered as the date of delivery, subject to the condition that offer has been received 15 days in advance of terminal date of scheduled delivery, and material is delivered at stores within 21 days of clearance. For early inspection, offer may be sent telegraphically or by fax. The Company will not be responsible for delay in inspection, if inspection offer is not received timely. 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.

**16. PENALTY FOR BREACH OF CONTRACT:-**

Breach of any terms and conditions which are included in the any section of the tender documents, or various schedules, annexure, enclosures, appendix etc. which are referred in these sections, shall be deemed as breach of this Contract.

- (i) In case of breach of this contract by the bidder/ vendor, the Company shall be entitled to forfeit the available security deposit and to realise and retain the same as damages and compensation for the said breach. This will be without prejudice to the right of the Company to recover any further sums as damages, from any sums which are due or which may become due to the contractor by the company; or otherwise howsoever.
- (ii) The MPPKVVCL, Indore may black list / debar the firm for further business for declared period i.e. one to three years on breach of contract.

**17. SECURITY DEPOSIT:-**

- (i) On acceptance of offer, the successful bidder will have to pay the Security Deposit as per the applicability, as discussed below.

**(A) ALTERNATE I (Normal SD) :**

On acceptance of offer, the successful bidder shall have to pay the security deposit @ 10% of the total value of the order, in any of the following forms-

- (a) Cash to be deposited with Sr. Accounts Officer, MPPKVVCL Indore. After deposition of SD, original receipt shall have to be produced to this office, which shall be returned after conveying the acceptance of Security Deposit.

**OR**

- (b) Demand Draft to be drawn in favour of Sr. Accounts Officer, MPPKVVCL Indore of respective consignee drawn on any nationalized / scheduled Bank and payable at respective destination.

**OR**

- (c) Bank Guarantee on any Nationalized Bank, or any other bank mentioned in Section VII, strictly as per Company's Proforma (to be supplied along with the order) valid sufficiently to cover the guarantee period, in the office of the order placing authority.

**(B) ALTERNATE II (Permanent Security Deposit) :** Facility to deposit permanent Security Deposit shall be available to vendors, only if so mention and permitted in **Section II – Special Terms and Conditions of Purchase**. Additionally, following terms and conditions shall apply in respect of Permanent SD.

- (a) The outside-the-state firms can furnish permanent security deposit of Rs. Five Lac (In the form of Demand Draft) with the Discom-WZ. Upon submission and acceptance of permanent SD, such vendors would be exempted from submission of security deposit against individual orders, subject to approval.
- (b) The State SSI units can also furnish the permanent security deposit of Rs. 3 Lacs (In the form of Demand Draft) with the Discom-WZ. Upon submission and acceptance of permanent SD, such vendors would be exempted from submission of security deposit against individual orders, subject to approval.
- (c) The facility of permanent security deposit shall be extended to only such suppliers who have had business with the M. P. Electricity Board or MPPKVVCL Indore for more than 3 years and where supplier's performance has been found good.
- (d) The validity of permanent security deposit, as and when given to any supplier, shall be initially for a period of 1 or 2 years only as the case may be, and its revalidation will be done after reviewing the performance of the supplier.

**(C) ALTERNATE III (Concessional SD for SSI units of MP) :**

- (a) SSI Units registered with Industries Department of MP are required to pay Security Deposit for only 5% (five percent) value of the order, subject to maximum of Rs.20,000/- in cash or DD. This concession is for such SSI Units

of M.P. who are doing business up to Rs.50 Lacs annually with the WZ-Discom.

- (b) SSI units having annual business of above Rs. 50.00 lacs, with the Company, shall be required to pay the security deposit as per ALTERNATE I or II only.
- (ii) The Security Deposit shall be deposited strictly in aforesaid manner only. Deduction of security deposit from the supply bills shall not be allowed in any case.
- (iii) The Security Deposit shall have to be deposited within 30 days of issue of order and prior to offering supply of material against the order.
- (iv) The Company shall forfeit the Security Deposit in the event of non execution / part execution of the orders / poor performance of vendor, besides invoking the penalty clauses.
- (v) 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. This shall not be applicable in case of permanent security deposit.
- (vi) No interest shall be paid by the Company on security deposit furnished by the manufacturer / suppliers.

**18. EXTENSION ORDER**

The purchaser reserves right to place an extension order for any additional quantity, to the extent of 50% quantity of the original order, within six months from the date of placement of original order, on same rates terms & conditions of the original order.

**19. TESTING FACILITY AND TESTS TO BE CONDUCTED**

The bidder must give their production capacity, all about testing lab and line testing facilities available with them in details for the tendered material. The bidder 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.

**20. 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 Member (Distribution) 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.

**21. TYPE TEST CERTIFICATES**

If prescribed under **Section II (Special Terms and Conditions of Purchase) or Section III (Technical Specifications)**, duly authenticated photo copies of appropriate **Type Test Certificates** would have to be furnished by the bidders, otherwise their offers shall be liable to be rejected. 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.

**22. RANDOM TESTING**

- (i) 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 MPPKVVCL shall have option to test the samples selected at random from the supplies affected and subject it to routine/type test.
- (ii) 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. MPPKVVCL will not be responsible for levy of taxes on such rejected material and deduction shall be in totality.
- (iii) 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 MPPKVVCL reserves the right to impose any appropriate penalty for full quantity of materials supplied against the order. The decision of the MPPKVVCL in this respect shall be final and binding on the supplier.

**23. RECOVERIES FOR LIABILITIES AGAINST OTHER CONTRACTS**

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

**24. 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.

**25. 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.

**26. 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.

**27. CANCELLATION OF ORDER**

- (i) The Company may, upon written notice of default, terminate contract in the circumstances detailed hereunder:-
- a) If in the opinion of the Company, the supplier fails to deliver the material within the time specified or during the period for which extension has been granted by the Company.
  - b) If in the opinion of the Company, the supplier fails to comply with any of the other provisions of this contract or material is found to be 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 Company to the supplier to suspend further activities and to take urgent steps towards corrective measures, failing which the entire order would be cancelled.

- (ii) In the event of such termination, the Company shall exercise the discretionary powers as:-
- a) To recover from the supplier, penalty as mentioned in the clause no.15 above.  
AND / OR
- b) To purchase from elsewhere, on account and at the risk of the vendor, goods of similar description to the consignment which is not delivered, after giving due notices to the vendor.  
AND / OR
- c) To cancel the contract reserving Company's rights to recover damages.
- (iii) Powers under sub-clause (ii) referred to above, are in addition to the rights and remedies available to the Company under the law of India relating to contract.
- (iv) In the event of risk purchase of stores of similar description, the opinion of the Company shall be final. In the event of action taken under the sub-clauses (ii) (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 claim any savings on all such purchases made against the default.
- (v) The decision of the Company shall be final regarding the acceptability of the stores supplied by supplier, and the Company shall not be required to give any reason for the rejection of the stores/material.
- (vi) In the event, Company does not terminate the Contract as provided above, the supplier shall continue execution of this order, in which case he shall be liable to the Company for liquidated damages for the delay as per clause 15 until suppliers are accepted.

**28. DISPUTE RESOLUTION**

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 Arbitrators not agreeing, the matter shall be referred to the adjudication of an Umpire, to be appointed by the Arbitrators, whose, decision shall be final and binding on the parties.

The dispute resolution shall be conducted as per provision of The Madhya Pradesh Madhyastha Adhikaran Adhinyam 1983, as amended from time to time, and of the rules made there under. The Arbitrators or the Umpire as the case may be, are bound to give a detailed speaking award assigning reasons for the findings.

Supplies under the contract shall be continued by the Supplier during the dispute resolution 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.

**29. 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.

**30. 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) E.D (Pur) O/o, CMD (WZ) MPPKVVCL, G.P.H. Compound Pologround Indore.
- (iv) S.E. (Stores) O/o. G.P.H. Compound Pologround Indore.

**31. CLIMATIC CONDITONS**

The climatic conditions where equipment 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 hrs)

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

**Section VII: List of Consignee Area Stores & Senior/ Regional Account 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. MPPKVVCL
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

**Section VII: List of Schedule Banks**

Sr. No.	Name of R.A.O./ Sr. A.O.	Name of Bank
1	Indore	1 Bank Of Baroda
		2 Central Bank Of India
		3 State Bank Of India
2	Khandwa	1 Bank Of India
		2 State Bank Of India
3	Ujjain	1 State Bank Of India
		2 Dena Bank
4	Ratlam	1 State Bank Of India
		2 Central Bank Of India
		3 Dena Bank
<b>List banks other than nationalised banks, which are approved to furnish Bank Guarantee</b>		
1	ICICI Bank	
2	IDBI bank	
3	UTI Bank	

### Schedule III : Schedule of Information

#### Part A : General Information

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

Please furnish desired details. Strike off, whichever is not applicable. Use separate sheets wherever necessary and enclose the same as Annexure (as specified in the “**Table of Contents**” **Schedule VIII**).

S. No.	Particulars	Details
1	Name & Address of the Bidder	
a)	Registered office	
b)	Factory/ works address	
c)	Telegraphic address	
d)	Telex/fax Nos.	
e)	Telephone Nos.	
2	Confirm whether bidder is participating as a <b>Manufacturer</b> or <b>Authorised dealer</b> .	<b>Manufacturer</b> Or <b>Authorised dealer</b> (strike out whatever is not applicable)
4	If bidder is the manufacturer, fill following details	
a)	Address of factory	
b)	Year of starting manufacture	
c)	Whether the same /similar material manufactured earlier	Yes/No
d)	Yearly/monthly production capacity	
e)	Maximum yearly production achieved so far	
5	Whether the firm is an MP SSI Unit	Yes/No (if yes, fill following details)
a)	Registration No.	
b)	Items of registration	
c)	Period of registration	
6	Whether the bidder is old participant with MPPKVCL.	Yes/No (if yes, furnish the details in Schedule IV)
7	Any other information that bidder may like to	

Signature of Bidder with Seal of Firm :

Place-

Name (in full) :

Date-

Designation :

### Schedule III : Schedule of Information

#### Part B : Commercial Information

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

Please furnish desired details. Strike off, whichever is not applicable. Use separate sheets wherever necessary. Please enclose the extra sheets as Annexure (as specified in the “Table of Contents” Schedule VIII).

S No.	Particulars	Details
1	Earnest Money details	
a)	Bank draft/Bankers cheque/ Cash with Sr. AO, MPPKVVCL, Indore.	
b)	Amount of EMD (in Rs.)	
c)	Any exemption from EMD (if yes, please mention under which category exemption is sought i.e. SSI Unit of M.P./small Scale unit registered with NSIC/Fully owned Stated/Central Govt. Unit etc.)	
2	Whether the offer is valid for 180 days from the date of opening of commercial/ Technical bid.	Yes/No (If no, state validity period)
4	Mode of Despatch	
5	<b>Security Deposit.</b> Please indicate details of <b>Security Deposit</b> , as would be applicable to the bidder.	(Please refer to <b>Section V General Conditions &amp; section-II special terms and condition of Purchase</b> for details, and fill in the response accordingly)
a)	Normal SD @ 10 % shall be deposited, OR	
b)	Permanent SD has been deposited (please attach proof), OR	
c)	Concessional SD as applicable to SSI units of MP shall be deposited (Please attach proof).	
6	Please furnish ST/ VAT Registration Number of your firm.	
a)	State Sales Tax/ VAT Registration Number	
b)	Central Sales Tax Registration Number	

7	<p>(I) Please indicate whether you are participating in the tender as <b>“registered dealers (or manufacturer) situated within the state of MP”</b> or you shall raise invoice as a <b>registered dealer (or manufacturer) of any other state?</b></p> <p>(II) In case the billing shall be from outside the state, please indicate the <b>State of Origin</b> from where the goods shall be supplied.</p> <p>(This information is specifically required for ascertainment of liability towards Entry Tax and CST/ VAT)</p>	<p>Registered Dealer within State of MP.</p> <p>Or</p> <p>Registered dealer outside the state.</p> <p>(Please strike out whichever is not applicable)</p> <p>State of Origin from where the goods shall be supplied.</p> <p>_____</p>
8	<p>In case of <b>“registered dealers (or manufacturer) situated within the state of MP”</b> please indicate whether the transaction would be nature of <b>“Inter-state Sale in Transit (viz E1-C / E2-C Transaction etc.)”</b> or not?</p> <p>(This information is specifically required for ascertainment of liability towards Entry Tax and CST / VAT)</p>	<p>Transaction would be of <b>“<u>Sale in Transit nature (viz E1- C etc).</u>”</b></p> <p>Or</p> <p>Transaction would <b>NOT</b> be in the nature of <b><u>Sale in Transit.</u></b></p> <p>(Please strike out whichever is not applicable)</p>
9	<p><b>‘Entry Tax’</b> is applicable in the state of Madhya Pradesh as per provisions of Entry Tax Act 1976. Please indicate whether the Goods shall be supplied as <b>‘Entry Tax Paid’</b> or the <b>‘Entry Tax shall be required to be paid by purchaser’</b>.</p> <p><b>Important Notes -</b></p> <p>1. please refer to clause 1(xii) of Section V – General conditions of Supply of the bid documents for more details).</p> <p>2. Please fill up the price bid inclusive of cost of entry tax.</p>	<p>‘Entry Tax Paid Goods shall be supplied’</p> <p>Or</p> <p>‘Entry Tax shall be required to be paid by Purchaser’</p>
10	<p>If firm shall be availing benefit of any concessional rates of Excise Duty, Cess, CST, VAT etc. (which is different from normally applicable rates of such taxes / duty) please give details. Please attach documents in this regard. Attach separate sheet if necessary.</p>	

Place- Signature of Bidder with Seal of Firm :

Date- Name (in full) :

Designation :

**Schedule III : Schedule of Information**

**Part C : Technical Information**

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

Please furnish desired details. Strike off, whichever is not applicable. Use separate sheets wherever necessary. Please enclose the extra sheets as Annexure (as specified in the “Table of Contents” Schedule VIII).

<b>S No.</b>	<b>Particulars</b>	<b>Details</b>
1	Performance Certificates	Attached Yes/No
2	Pamphlets/technical details, literatures	Attached Yes/No
3	Test Certificates if desired in the <b>Section III Technical Specifications.</b>	Attached Yes/No
4	In case bidder is Manufacturer, details of manufacturing equipments and short history of plant.	Attached Yes/No
5	In case bidder is Manufacturer, details of manufacturing process furnished with offer	Attached Yes/No
6	Availability of testing facilities	If yes, give details If no, approved lab available in surrounding areas where tests are proposed to be conducted.
7	If requisitioned, whether Samples submitted	Submitted Yes/No

Place- Signature of Bidder with Seal of Firm :

Date- Name (in full) :

Designation :

**Schedule IV : Schedule of Past Experience**

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

Please furnish desired details. Use separate sheets wherever necessary. Please enclose the extra sheets as Annexure (as specified in the “Table of Contents” Schedule VIII).

**Bidder’s Name & Address:** .....

To,  
 The Chief Engineer (Corporate 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:-

S. No.	Purchaser’s Name and Address	Order No. and Date placed during last 5 years	Ordered Quantity	Quantity supplied	Value of Order	Size wise quantity pending for execution within delivery schedule	Reasons for non Completion of order, if any
1	2	3	4	5	6	7	8

Place- Signature of Bidder with Seal of Firm :

Date- Name (in full) :

Designation :

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

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**Schedule V : Schedule of Deviations****Part B : Technical Deviations**

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

If bidder desires to take any technical deviation from the terms & conditions of the tender, it should be mentioned specifically in this deviation schedule. Unless technical deviations are mentioned in this deviation schedule, the same will not be taken into cognizance.

Bidder's Name & Address: .....

To,

The Chief Engineer (Corporate 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:-

<b>S. No.</b>	<b>Condition</b>	<b>Clause No. of Tender Document</b>	<b>Page No. of Tender Document</b>	<b>Statement of Deviation and Variations</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

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 Bidder with Seal of Firm :

Date- Name (in full) :

Designation :

Note: - Continuation sheet of like size & format may be used as per bidder's requirement and be enclosed as Annexure (as specified in the "Table of Contents" Schedule VIII), wherever necessary.

**SCHEDULE –VI****(DETAILS TYPE TESTS CARRIED OUT DURING LAST 5 YEARS)**

CT/PT	Place and institution where tested with date			
	Short circuit test	High voltage power frequency wet withstand voltage test	Accuracy Test	Temperature rise test
1	3	4	5	6
11 KV, outdoor Current Transformer				
33 KV, Current Transformer				
11 KV, Potential Transformers	----			

**Note:-** You are advised to furnish detailed report of above tests along with the tender including details of active part verification after test. The reports shall be issued by Government an independent Agency of National repute like CPRI Bangalore/ Bhopal, National test House, Ghaziabad, ERDA Baroda. In the absence of test report, it will be presumed that no test has been carried out and tender will be evaluated accordingly. Above table must be filled indicating Report No., Date and place where type test have been carried out.

DATE

SIGNATURE WITH SEAL OF TENDERER

PLACE

NAME

STATUS

**Schedule VII: Check List**  
(TO BE KEPT IN THE ENVELOPE PART-II, “COMMERCIAL/TECHNICAL BID”)

Check List Item	Options	Answer
<b>Technical Information</b>		
Whether confirmation certificate proving party is a Manufacturer or Authorised Dealer is attached	Manufacturer/ Authorised Dealer	
In case of Manufacturer, whether details of the installed manufacturing capabilities & present commitments are attached	Yes/No/NA	
Whether list of supplies made during last 3 years & certificates from those organizations are attached	Yes/No	
Whether all Literature & Drawings related to the material are attached	Yes/No	
Whether Test Certificates from inspector of the Company is attached	Yes/No	
Whether appropriate type test certificate (if required in Section V Technical Specifications) is attached	Yes/No	
Whether Quality assurance certificate is attached	Yes/No	
Whether NSIC/SSI /DIC Registration Certificate is attached	Yes/No	
Whether details of old supplies to MPPKVCL are attached	Yes/No	
Whether Certified true copies of the resolutions/ Extracts of Articles of Association/ Special or general Power of Attorney is attached	Yes/No	
<b>Financial Information</b>		
Whether two copies of two years P&L Accounts are enclosed	Yes/No	
Whether two copies of two years Balance Sheets are enclosed	Yes/No	
Whether Sales Tax Clearance Certificate is enclosed	Yes/No	
<b>Documentation</b>		
Whether each page of the tender is signed and duly stamped and submitted by the bidder.	Yes/No	
Whether duly signed “Tender Form” is attached with the bid	Yes/No	
In financial bid, whether rates are quoted in both figures and words	Yes/No	
<b>Schedule I:</b> Price bid is filled in and duly stamped and signed by the signatory authority	Yes/No	
Price bid is kept in separate sealed envelop super-scribed as “ <b>Part III Price Bid</b> ”, Name of Work, TS number, Bidder name and Date of opening	Yes/No	

Whether “Earnest Money Deposit” of specified amount is kept in a sealed envelope super-scribed as “ <b>Part-I Earnest Money Deposit</b> ”, <b>Name of Work, TS number, Bidder name and Date of opening</b>	Yes/No	
Whether all the information mentioned in <b>Schedule III</b> is filled and duly signed and stamped with the legally authorised signatory	Yes/No	
Whether all the information related to <b>Past Experience (Schedule IV)</b> is filled and duly signed and stamped with the legally signatory authority	Yes/No	
Whether all the information related to <b>Technical &amp; Commercial Deviations (Schedule V)</b> is filled and duly signed and stamped with the legally signatory authority	Yes/No	
Whether “Commercial & Technical Bid” is kept in a envelop super-scribed as “ <b>Part-II Commercial &amp; Technical Bid</b> ”, <b>Name of Work, TS number, Bidder name and Date of opening</b>	Yes/No	
Seal the envelop after keeping complete “ <b>Commercial and Technical Bid Document</b> ” along with the “ <b>Check List</b> ”	Yes/No	
All the three envelops carrying <b>Part-I Earnest Money Deposit, Part-II Commercial &amp; Technical Bid and Part-III Price Bid</b> shall be kept in one sealed envelop super-scribed stating that this envelope contains three separate envelopes for <b>Part I “EARNEST MONEY DEPOSIT”, Part – II “COMMERCIAL AND TECHNICAL BID” and Part – III “PRICE BID”</b> , in addition to <b>tender specification No., name of work and bidder. Details of Earnest Money Deposit, and due date of opening.</b>	Yes/No	
Whether Certification of Agreement with the <b>MPPKVCL, Indore’s Payment Terms, Penalty and Security Deposit Clauses</b> as per the format mention in the document is pasted on the main envelop	Yes/No	

**Note:** Bidder has to attach this “**Check List**” with the “**Commercial & Technical Bid**” answering all the questions and mention page numbers.

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### **Schedule VIII: Table of Contents**

**(TO BE KEPT IN PART – II TECHNICAL & COMMERCIAL BID ENVELOP)**

**Bidders are requested to submit the document exactly in this sequence.**

S. No	Particular	Document Page No.
<b>1</b>	<b>Duly Signed Complete Tender Document in Vol I &amp; II (except ‘Schedule I-Price Bid, which is to be kept separately in Part III - price bid envelop)</b>	As printed
<b>2</b>	<b>Documents/ Certificates/ Reports</b>	<b>XXXX</b>
2.1	Past two years P&L Account and Balance Sheet	1 to __
2.2	Certified true copies of the resolutions/ Extracts of Articles of Association/ Special or general Power of Attorney and any other documents establishing authority of the person signing the tender document.	__ to __
2.3	Confirmation certificate proving party is a Manufacturer/ Authorised Dealer	__ to __
2.4		__ to __
2.5		__ to __
<b>3</b>	<b>Annexure if any, to Schedule II (Guaranteed Technical Particulars)</b>	__ to __
<b>4</b>	<b>Annexure to Schedule III (General, Commercial, Technical Information)</b>	<b>XXXX</b>
4.1	VAT Clearance Certificate	__ to __
4.2	NSIC/SSI Registration Certificate	__ to __
4.3	Quality assurance certificate	__ to __
4.4	Details of the installed manufacturing capabilities, manufacturing process & present commitments	__ to __
4.5	Technical Literature / Drawings	__ to __
4.6	Test Certificates from inspector of the Company	__ to __
4.7	Type Test Certificate if prescribed	__ to __
4.8	Details of Testing Facilities available with bidder	__ to __
4.9	Details of samples submitted (only if required as per tender conditions)	__ to __
4.10	Other if any	__ to __
4.11		__ to __
4.12		__ to __
<b>5</b>	<b>Annexure to Schedule IV ( Past Experience )</b>	<b>XXXX</b>
5.1	Order copies of supplies made to MPPKVVCL and similar organisations during last 3 years & certificates from those organizations	__ to __
5.2	Other if any	__ to __
<b>6</b>	<b>Annexure if any, to Schedule V (Technical / Commercial Deviations)</b>	__ to __
<b>7</b>		__ to __

**Instructions:** Bidders shall have to give each documents page numbers and clearly specify the same in the table.