

**OFFICE OF THE CMD (WZ)**  
**M.P. PASCHIM KSHETRA VIDYUT VITARAN CO. LTD.,**  
**GPH COMPOUND, POLOGROUND, INDORE**

(EPABX Phone No: 0731-2422045, 2423263, 2422544, 2423577 Extn. 151 & 303 Fax No: 2423300)

No. CMD/WZ/06/PUR/7834

Indore, date: **01.05.2010**

To,

**All Bidders**

**Sub:- Tender specification No. CMD/WZ/06/PUR/426 due on 06.05.2010 for supply of ISI Marked, LT CT operated three phase 4 wire LCD display Meter with AMR compatibility, class 1.0 or better along with GPRS enabled GSM modem suitable for meter end with software and accessories for above meter**

Ref:- M/s. EMCO Limited, Thane's letter No. WR/MPPKVVCL/PKR/01/10 dated 30.04.2010.

Dear Sir's,

With reference to above tender specification & your letter dated 30.04.2010, the clarifications are as under:-

Sr. No.	Clause No.	MPPKVVCL, specification	Required Clarification / Recommended changes	Remarks / Benefits for MPPKVVCL, Indore	Remark
1	13 of Section-III (A), Technical specification	The predefined date and time for registering the billing parameters of KWh, KVAh, PF and KW/KVA MD as well as Tamper Count and Power-on hours readings shall be at 00.00 hours of the first day of each calendar (billing) month	KVAh is not a measured value, it is a calculated quantity and there are two widely used methods from the same:- (1) $KVAh = \sqrt{KWh \div (KVARhQ1 + KVARhQ4)}$ (2) $KVAh = \sqrt{KWh + (KVARhQ1)}$ under, this method when operating at loading PF the meter should record KVAh same as equal KWh	This clarification will help in providing common and clear ground to the bidders, so as offer received is uniform.	By default, computation of apparent energy shall be on the principle of $S = Sa + Sb + Sc$ (Total apparent power) (Where Sa, Sb & Sa2=Pa2 + Qa2 (Stands for apparent) Sb2=Pb2 + Qb2 (Power in phase A, B & C) Sc2=Pc2 + Qc2 & KVAh computation shall be on the basis of power factor lag + lead principle / lag only principle user selectable. The KVAh computation shall be on the basis of lag + lead principle by default.
2	11.1 of Section-III (A), Technical specification	Capability of meter to measure fundamental frequency energy and harmonic energy shall be described by tenderer	Capability of meter to measure fundamental frequency energy and harmonic energy shall be made available / visible on BCS	As there isn't any specific description of displaying the fundamental / harmonics values, if defines the display of the corresponding values.	The clause is self explanatory and Capability of meter to measure fundamental frequency energy and harmonic energy shall be described by tenderer
3	13 of Section-III (A), Technical specification	The predefined date and time for registering the billing parameters of KWh, KVAh, PF and KW/KVA MD as well as Tamper Count and Power-on hours readings shall be at 00.00 hours of the first day of each calendar (billing) month	The predefined date and time for registering the billing parameters of KWh, KVAh, PF and KW/KVA MD as well as Tamper Count and Total power on hours readings shall be at 00.00 hours of the first day of each calendar (billing) month	The clarification will held in providing common and clear ground to the bidders, so as offer received is uniform.	It should be as per tender specification only

Sr. No.	Clause No.	MPPKVVCL, specification	Required Clarification / Recommended changes	Remarks / Benefits for MPPKVVCL, Indore	Remark
4	6.1 of Section-III (B), Technical specification	The modem should have inbound dialing facility i.e. modem shall automatically send data to a particular server IP in case of GPRS communication & dial to a particular GSM number (no. of modems placed at central station end along with BCS server) at specified time (once in a day/week/month) for the purpose of meter reading	We seek clarification on the data to be send periodically at specified time	By default we will be giving the option of sending billing parameters periodically at specified time.	It should be as per tender specification only
5	7 of Section-III (B), Technical specification	The bidder should demonstrate AMR compatibility for both GSM as well as GRRs media of communication	Kindly clarify as on when the demonstration will take place. Whether it will be after testing of energy meters. Whether testing of meters are to be conducted at external lab/internal lab	This clarification will help in providing common and clear ground to the bidders, so as to avoid inconvenience later.	The date of demonstration will be intimated after opening of techno-commercial bid.
6	4 (i) of Section-II, Special Terms & conditions of purchase	All the bidders are requested to submit 2 sample meters of offered meter, prior to a day due for opening of commercial & technical bids confirming to this specification duly sealed	Kindly confirm whether the bidders need to submit only sample energy meters. Bidder would carry the GSM modems along with accessories at the time of testing.	This clarification will help in providing common and clear ground to the bidders, so as to avoid inconvenience later.	The bidders are required to submit sample meters and modem.
7	Section-III (C), Technical specification		Clarification of numbers of CMRIs to be sent along with 7500 Nos. energy meters		1 no. CMRI shall have to be supplied free of cost per lot of 100 meters or part thereof

There is no change in due date of submission at this stage.

Superintending Engineer (Pur)  
O/o CMD (WZ), MPPKVVCL,  
Indore