

NIT No. RECPDCL/TECH/DTMS-CED/e-Tender/2016-17/3930 Dated: 09.03.2017
Prebid Meeting on 21.03.2017

Pre-Bid Clarification-1

Dated:31.03.2017

S. No.	Vendor	Item	Page No. / Clause No.	Technical Specifications as per RFP	Queries / Modifications / Changes Suggested	Clarification
1	M/s Dongfang Electronics Pvt Ltd	SECTION-I TENDER INFORMATION	Page No. 3	The EMD (Earnest Money Deposit) is to be submitted by all the participating bidders in the form of demand draft of an amount of Rs 5,00,000/- (Rupees Five Lakh Only) of any schedule Indian bank in favor of REC Power Distribution Company Limited, Payable at New Delhi .	We understand EMD BG can be submitted in form of DD or BG as per format given in tender document. Kindly confirm.	Bidder can submit EMD either in DD or in BG form.
2	M/s Dongfang Electronics Pvt Ltd	SECTION-II PREFACE , 4. Electricity Profile of Project Area	Page No. 6	Total number of DTs in the project area is 402 with 1,06,500 KVA transformation capacity	We understand DTMU has to be supplied for 362 nos DTs only out of 402. Kindly confirm	Yes, There are 362 Nos DTMU's to be supplied out of 402 Nos of DT's
3	M/s Dongfang Electronics Pvt Ltd	SECTION-IV SCOPE OF WORK	Page No. 10	13. The Proposed DTMS solution/DTMS system should have complete interoperability for accommodating all types of FRTU/MFM and communication H/W and vice-versa should also be there for any future up gradation of hardware / software	1. Request RECPDCL to confirm the protocol on which DTMS has to be integrated in future with FRTU/MFM 2. Request RECPDCL to kindly confirm the minimum number of communication port to be supplied with DTMU for the same.	DTMU will communicate on IEC 104 protocol.
4	M/s Dongfang Electronics Pvt Ltd	SECTION-IV SCOPE OF WORK, 2. DETAILED TECHNICAL SPECIFICATIONS – Distribution Transformer Monitoring System	Page No. 12	i. Provide feature for SMS/Email alert	Kindly confirm the required SMS gateway and e-mail server for alerts is in the cope of RECPDCL along with required monthly SMS charges and bandwidth for e-mail server.	Bidder has to provision SMS gateway in their proposal, however, email server will be provided by utility and bidder has to integrate with it.
5	M/s Dongfang Electronics Pvt Ltd	2.1 DT Monitoring Unit at Distribution Transformer Site:	Page No. 15	18. Standard IoT's of IEC 104 for configuration mapping with SCADA FEP (Front End Protocol) server	Since DTMU is sending data to DTMU control center and not to the FEP of SCADA directly, request RECPDCL to kindly confirm the data integration philosophy between DTMU and SCADA control center.	DTMU field unit will communicate on IEC 104 protocol to DTMU control centre as well as master control centre of SCADA. The field unit will report to only one control centre at a time. In addition to this, DTMU bidder has to provision to integrate DTMU system with SCADA system over SOAP/Web service based protocol.
6	M/s Ecolibrium Energy (P) Ltd., Ahmedabad	Section IV, point 1, sub point 3	page no. 9	Selected bidder will propose & establish the solution initially for approx. 362 DTs but it should be horizontally & vertically scalable to cover the entire utility DTs i.e. approx. 2000 Nos.	Please confirm this scalability is only for DTs & not for Power transformers. Also confirm the CT ratio of 362 transformers	Pls refer to annexure for CT ratio

7	M/s Ecolibrium Energy (P) Ltd., Ahmedabad	Section IV, point 2, sub point 2.3	page no. 12	Technical Specifications of various type DTMS equipment & Servers shall have full compliance with NSGM guidelines and its amendment, which is available on website www.nsgm.gov.in. However any higher specifications are acceptable in case of any technical specification has become obsolete.	Please share a copy of NSGM guidelines as the same is not found over the website.	Already Available on NSGM Website
8	M/s Ecolibrium Energy (P) Ltd., Ahmedabad	Section IV, point 2, sub point 2.4	page no. 12	I. All the Electrical and Non-Electrical data from the DTMU shall be integrate with Control Centre SCADA system.	Please confirm the mode of integration & technical specifications of SCADA system? Protocol detail, security, connectivity etc. Will this integration be over ICCP?	DTMU field unit will communicate on IEC 104 protocol to DTMU control centre as well as master control centre of SCADA. The field unit will report to only one control centre at a time. In addition to this, DTMU bidder has to provision to integrate DTMU system with SCADA system over SOAP/Web service based protocol.
9	M/s Ecolibrium Energy (P) Ltd., Ahmedabad	Section IV, point 2, sub point 2.1	page no. 14	v. Monitor transformer oil temperature via analog input.	We assume that temperature sensors shall be available at site. We have no need to supply the same. Only integration through analog input is required. Please confirm? Also the detail: make/model etc of sensors	Bidder has to provide Pam Sensor/Probe
10	M/s Ecolibrium Energy (P) Ltd., Ahmedabad	17.4	page no. 39	17.4. Spares inventory CTs Lot 1*	Client is requested to provide storage space for preservation & conservation of equipments at site & throughtout the FMS period for keeping 5% spares. Please also cofnirmt he CT ratio be be supplied & for inventory	1. Bidder to arrange their own space for storage for whole project period. No space will be provided by CED. 2. Pls refer to annexure for CT ratio
11	M/s Ecolibrium Energy (P) Ltd., Ahmedabad	17.4	page no. 40	(a) Integration of new equipment All future Field devices & other System integration shall be the responsibility of contractor and shall be part of the maintenance charges.	Please elabore what all future integrations? Uncertain scope cannot be accepted.	Since SCADA and DTMU tender are running simultaneously, and if any delay happens to any one of tender, then DTMU bidder will provide all support and integration to SCADA bidder.
12	M/s Ecolibrium Energy (P) Ltd., Ahmedabad	Proforma of Scheduled rates Form III	page no. 62	2. Installation Accessories (Sensor/Oil Probe, Switch , Box),Required terminals, Wall mounted outdoor enclosures, Power supply, MCB etc ., Transformer Oil Level Switch, Transformer Oil Temprature Level Switch with thermowell (In Lump Sump) along with 0.5 Class CT set (all Phases)	Please confirm CT ratio to be supplied?	Pls refer to annexure for CT ratio

13	M/s M B Control & Systems Pvt Ltd, Kolkata	Section -IV, Scope of work, Point no.12	page 9	Proposed DTMS Software should be scalable in nature taking into consideration an average growth rate of consumers and associated infrastructure to be 7.5% per annum for the complete project duration from the date of award of contract to selected bidder. Enterprise wide license for the software components is a mandatory requisite. proposed DTMS Software and associated equipments should be capable of handling at-least 2000 connections, without any additional infrastructure and cost implication to RECPDCL and CEO.	Should we consider hardware infrastructure and software license for 2000 devices for offer for control centre.	it is for 362 DTMU's initially with scalable in future to 2000 Nos. License prices can be accordingly (unit wise license pricing)
14	M/s M B Control & Systems Pvt Ltd, Kolkata	Modem Specifications Point No. 2	page 21	Should be capable of operating on three phase supply.	In our system modem 15 plugged in to DTMU, Hence no separate RS232 port is required.	Should be capable of operating on Single phase supply.
15	M/s M B Control & Systems Pvt Ltd, Kolkata	Modem Specifications Point No. 3	page 21	The operating voltage range for the modem should be 90V ac P-P to 440 V ac P-P. Modem should also be capable of operating on single phase 230V, 50 Hz power supply. The modem shall be suitably protected against voltage surges.	same as above	Single Phase power supply is required for Modem
16	M/s M B Control & Systems Pvt Ltd, Kolkata	Modem Specifications Point No. 6	page 21	Sealing: The modem should cover and body should have arrangement for sealing. In addition to this, the SIM card Holder cover should also have arrangement for sealing. SIM should be inserted in modem without opening the cover of modem.	Modem will be installed in DTMU panel and same panel will be sealed. So extra sealing should be removed.	Modem should be housed in DTMU Box and Box should be properly sealed
17	M/s M B Control & Systems Pvt Ltd, Kolkata	Mandatory Spares inventory at Control Centres	page 40	Qty 1*	Please explain *	* Note: One of each Type Supplied as part of system. Wherever one configuration can replace multiple type of elements supplied only 5% (Minimum one) such equipment shall be taken as spare
18	M/s M B Control & Systems Pvt Ltd, Kolkata	BOQ	page 62	Along with 0.5 class CT (all phases)	Please provide CT primary rating and conductor size.	Pls refer to annexure for CT ratio
19	M/s Srinivas Electricals	Table 1 , Maintenance support and Availability requirements , Distribution Transformer Monitoring System (DTMS System)	Pg 36	System Availability requirements - 99.5	Request to consider DTMU - 99.5% accuracy as an average over a period of 1 month	System Availability requirements - 99.5 accuracy as an average over a period of 1 month

Note: Rest of the bid will be evaluated as per tender specifications