

Minutes of Pre-bid Meeting For Metering RMU held on 08th Jan-19 at Devidas Lane, Borivali W

Reference: NIT NO : AEML/MDB/2018-19/17

Vendors and representatives	AEML Representatives
1. ABB India Ltd - Mr. Bhagyesh Mehendale & Mr. Bibin Elanjickal	1. Ashish Nema (CES)
2. Lucy Electric Pvt Ltd : Mr. Aneesh Thomas & Mr. Irwin Bernatto	2. Rajendrasing Girase (CES)
3. Schneider Electric Ltd – Mr Chetan Chandrate	3. Yogesh B Deshmukh (CES)
4. Siemens Ltd - Mr. Avinash Kulkarni	4. Kamalesh Nawdeti (CPG)

Meeting highlights are as follows:

1. Tender BoQ and Scope of work explained to all bidders.
2. Price bid format for service scope is to be changed as follows
 - a) Installation of High gain antenna to be excluded
 - b) Installation of screen connectors for 3 RMUs (1 nos isolator per RMU) to be included.
3. CT ratio shall be shall be as follows

Mat Code	Description	Uo M	Qty	CT Ratio
2100207739	RNG MAIN UNT,MET,FRTU CBN,,1C+2I, N-EXT	Nos	20	80-30/5/1
2100207739	RNG MAIN UNT,MET,FRTU CBN,,1C+2I, N-EXT	Nos	3	300/5/1
2100207741	RNG MAIN UNT,MET,FRTU CBN,,1C+3I, N-EXT	Nos	1	80-30/5/1
2100207740	RNG MAIN UNT,MET,FRTU CBN,,2C+2I, N-EXT	Nos	1	80-30/5/1

4. Metering compartment details including CT/PT drawings were shared with bidders are attached herewith with annexure. CT Type 11ds to be referred.
5. Approved makes of screened separable Tee connectors and coupling connector suitable for termination of 2X3CX300sq mm cables are Raychem and Nexan.
6. M/s ABB and Lucy Electric requested AEML to develop additional vendors for CT/PT. However for the current tender only Pragati Electricals is considered.
7. M/s ABB and Lucy Electric requested AEML to extend technical offer submission by 31st Jan-2019.
8. Lucy Electric Query: Sealing arrangement requirement for Metering compartment and CT/PT compartment door.

AEML Reply: Yes.

9. Lucy Electric Query: Offered make of LEPL not mentioned in AEML specification approved makes .

AEML clarification: Vacuum Interrupter shall be type tested with RMU and valid test reports shall be submitted in technical offer for review in TER.

10. Lucy Electric Query: Can Single phase PT be used against 3 phase PT for reducing overall depth of panel.

AEML Clarified: AEML standard is 3 phase PT which is used in other standalone metering units and therefore for interchangeably, this PT is standardized.

Other clarifications issued to M/s SEIL (applicable for other vendors also)

1. Metering panel shall be on RHS and FRTU shall be on LHS of RMU. Complete delivery shall be on a common base frame
2. 2nos of 12 V Batteries per RMU shall be supplied loose and installed by supervision team at site. Batteries shall not be more than 2 months old.
3. One metering RMU with FRTU and metering panel shall be offered for proto-inspection by successful bidder.

Other clarifications issued to M/s SIEMENS (applicable for other vendors also)

1. Siemens Query: The typical scheme shows the requirement of 1VCB + 2 LBS feeders with Line metering for the outgoing circuit breaker. Pls confirm the scheme for the 2 VCB + 2 LBS combinations

AEML Clarified: In this tender all metering RMUs have single metering attached to one VCB

2. Siemens Query: Pl reconfirm the design (Referring Spec clause- Page 37) as after welding from fourth side the metering panel will not be accessible.

AEML Clarified: Fourth side shall be hinged door.

3. Siemens Query: Pls confirm CT/PT make and drawings

AEML Clarified: Attached as annexure.

4. Siemens Query: Pls confirm the CT Ratio.

AEML Clarified: Specified in this MoM above.

5. Siemens Query: Pls approve ECS/ NPT as optional make as approved makes.

AEML Clarified: May be reviewed for future tenders & not for this tender.

6. Siemens Query: Pls confirm the cable size for the VCB Feeder having Line metering.
AEML Clarified: Max 3/CX400 sqmm XPLE AL
7. Siemens Query: Pls confirm cable size for the other VCB and LBS feeders,
AEML Clarified: Other VCB = Max 150 sq mm XLPE AI; LBS - Max 400 sq mm XLPE AI
8. Siemens Query: Pls confirm the scope whether its Supervision, Erection, Testing, Commissioning or Supervision of - 'Erection, Testing, Commissioning'.
AEML Clarified: For 22 nos - Supervision of - 'Erection, Testing, Commissioning'.
For 3 RMU - Supervision of - 'Erection, Testing, Commissioning'. And supply and installation of Tee connector suitable for 3X3CX400 sq mm cables in 1 isolator per RMU
9. Siemens Query: CT Burden: 5 VA – Metering core, 5 VA – Protection Core
AEML Clarified: CT Burden requirements and size are freezed with CT supplier
10. Siemens Query: Metering panel IP54 reports shall be submitted. For IAC requirements, the pressure relief will be provided.
AEML Reply: Ok
11. Siemens Query: CT/ PT testing RTCs will be presented during inspection.
AEML Clarified: Type test reports to be produced by CT and PT supplier
12. Siemens Query: We are already supplying varipus RMUs of similar rating. hence, request you to waive the TRT test. Similar Type test reports will be submitted
AEML Clarified: Temperature Rise test will be applicable.
13. Siemens Query: During inspection, all routine and acceptance tests shall be carried out in presence of purchaser's representative as per existing approved QAP.
AEML Clarified: QAP shall be resubmitted for approval post finalization of drawings.