

Clarification to Pre-Bid Queries against tender No. MITL/BIA/2026-27/T-05

Sr. No.	Item	Qty.	Tender No.
1.	3P4W, HT Smart Meter,0.2s,11kv/110V, -/5A Category D3	50 Nos.	MITL/BIA/2026-27/T-05

Sr. No	Point discussed/ Tender specification	Comments/Remarks	MITL Comments						
1.	Clause No. 11.01 ANTI TAMPER FEATURES. The meter shall detect and correctly register energy under following tamper conditions:	Under tamper conditions if meter gets affected then correct energy registration is not guaranteed.	Noted. This shall be as per IS15959 or applicable standards.						
2.	Clause No. 11.01.06 Minimum 200 numbers of events (occurrences & restoration with date & time) shall be available in the meter memory. The recording of abnormal events shall be on FIFO basis as per IS 16444 Part II: The un-restored events shall be recorded separately and shall not be deleted till they get recovered (permissible upto 3 months).	As the events will be logged in respective compartment as per IS 15959 on FIFO basis. Hence un-restored events will also delete still if they not get recovered.	Noted. This shall be as per IS15959 or applicable standards.						
3.	Clause No. 11.02 The threshold values for various tampers are as below. 6. <table border="1"><thead><tr><th>Description</th><th>Occurrence</th><th>Restoration</th></tr></thead><tbody><tr><td></td><td></td><td></td></tr></tbody></table>	Description	Occurrence	Restoration				The same will be as per previous supplies at MITL.	The same shall be as under: Occurrence: -Residual Current>10% Ib & any Line current <1% Ib. Restoration: -Residual Current<10% Ib & average current of all 3 phase >10% of Ib.
Description	Occurrence	Restoration							

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	CT Open	Zero Amps in one or two phases and current in at least 1 phase is> 5% Ib for 15 minutes.	>3 % Ib for 15 min in the tampered phase for 15 min.									
4.	Clause No. 11.02 The threshold values for various tampers are as below. 8. <table><tr><td>Description</td><td>Occurrence</td><td>Restoration</td></tr><tr><td>Current Bypass</td><td>Bypass Current>50% Ib for 15 min</td><td>Bypass Current<30% Ib for 15 min</td></tr></table>				Description	Occurrence	Restoration	Current Bypass	Bypass Current>50% Ib for 15 min	Bypass Current<30% Ib for 15 min	The same will be as per previous supplies at MITL.	The same shall be as under: Occurrence: -Residual Current>10% Ib & Line current >5% Ib. Restoration: -Residual Current<10% Ib & average current of all 3 phase >10% of Ib.
Description	Occurrence	Restoration										
Current Bypass	Bypass Current>50% Ib for 15 min	Bypass Current<30% Ib for 15 min										
5.	Clause No. 11.02 The threshold values for various tampers are as below. 10. <table><tr><td>Description</td><td>Occurrence</td><td>Restoration</td></tr><tr><td>electromagnet</td><td>Immediate</td><td>1 minute after removal</td></tr></table>				Description	Occurrence	Restoration	electromagnet	Immediate	1 minute after removal	The same will be as per previous supplies at MITL.	Persistence time for occurrence of magnet event shall be approx. 20 seconds.
Description	Occurrence	Restoration										
electromagnet	Immediate	1 minute after removal										

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6.	Clause No. 11.02 The threshold values for various tampers are as below. 11. <table><tr><td>Description</td><td>Occurrence (With Occ. Time 5 min.)</td><td>Restoration (With Rest. Time 5 min.)</td></tr><tr><td>Neutral Distrubance</td><td>-</td><td>-</td></tr></table>	Description	Occurrence (With Occ. Time 5 min.)	Restoration (With Rest. Time 5 min.)	Neutral Distrubance	-	-	The same will be as per previous supplies at MITL.	Persistence time for occurrence & restoration of Neutral Disturbance event will be approx. 30 & 90 sec respectively.
Description	Occurrence (With Occ. Time 5 min.)	Restoration (With Rest. Time 5 min.)							
Neutral Distrubance	-	-							
7.	Clause No. 11.02 The threshold values for various tampers are as below. 12. <table><tr><td>Description</td><td>Occurrence</td><td>Restoration</td></tr><tr><td>Power failure</td><td>Immediate</td><td>Immediate</td></tr></table>	Description	Occurrence	Restoration	Power failure	Immediate	Immediate	The same will be as per previous supplies at MITL.	Power failure occurrence will be min. 20 seconds.
Description	Occurrence	Restoration							
Power failure	Immediate	Immediate							
8.	Clause No. 13.01 DISPLAY INDICATORS The meter shall have minimum 6 digits (with +/- indication)	Positive values will be displayed without sign.	Ok.						
9.	Clause No. 13.02 The decimal units shall not be displayed in auto scroll mode. However it shall be displayed in push button mode or alternate mode for high resolution display for	The resolution of energy will remain same in both Auto as well as manual mode.	The high-resolution display is required with decimal for testing purpose.						

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	testing.	In High resolution energy register 5+4 digits will be provided. The same will be as per previous supplies at MITL.	
10.	Clause No. 16.07 COMPUTER SOFTWARE The BCS software shall create one single file for the uploaded data, e.g. if CMRI contains the meter readings of, say, 2,000 consumer meters and the said data is uploaded to BCS, then the BCS shall create a single file containing separate records for each consumer meter reading in ASCII format or XML file as per MIOS for individual meter reading.	Meter serial number wise reading files will be created. The same will be as per previous supplies at MITL.	Please note meter data shall be accepted by MITL billing system.
11.	Clause No. 20.01 TYPE TESTS Further Purchaser shall reserve the right to pick up energy meters at random from the lots offered and get the meter tested at third party lab i.e. CPRI / agencies listed at Appendix - C of Latest standardization of AC static electrical energy meters NPL / CQAL / ERTL / ERDA at the sole discretion of the purchaser at the purchaser's cost. The supplier	Pls clarify who will bear the charges of type testing. We assume the testing charges will be bear by MITL.	This is not required for this tender. We will bear the charges in case of third part testing. The type test certificate shall be submitted in compliance with latest applicable standards along with bid.

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	shall have no right to contest the test results of the third-party lab or for additional test and has to replace / take corrective action at the cost of the supplier. For this purpose, the tenderer shall quote unit rates for carrying out each type test. However, such unit rates will not be considered for evaluation of the offer.		
12.	Clause No. 19.04 ADDITIONAL ACCEPTANCE TESTS (b) OTHER ACCEPTANCE TESTS iv) The meter shall comply all the tests for external AC / DC magnetic field as per CBIP Tech Report 88 with latest amendments. Moreover, the magnetic influence test for permanent magnet of 0.5 T for minimum period of 15 minutes shall be carried out by putting the magnet on the meter body. If, during the test, the accuracy of the meter gets affected, then the same shall be recorded as magnetic tamper event with date & time stamping. After removal of magnet, meter shall be subjected to accuracy test as per IS: 14697 / 1999 (amended upto date). No deviation in error is allowed in the class index as per IS: 14697 / 1999 (amended upto date) & this specification. v) The meter shall withstand impulse voltage at 10 kV.	Pls clarify who will bear the charges of type testing. We assume the testing charges will be bear by MITL. In any case, CBIP 88 is no more eligible, all the test covered under IS16444, Part-2 and CBIP 325.	The type test certificate shall be submitted in compliance with latest applicable standards along with bid.

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	The tests 20.04 (b) (iv) to (vi) shall be carried out on one sample from first lot as per procedure laid down in IS: 14697 / 1999 (amended up to date), CBIP Tech Report 88 (with latest amendments) at Third party NABL Accredited lab . The test report shall be got approved from Chief Engineer, MM Cell before commencement of supply.		
13.	Clause No. 25.00 TENDER SAMPLE	We understand that tender samples are exempted.	Tender sample is not required. However, the representative of MITL may visit factory for inspection of meters.