

Dated: - 24.08.2026

Tender/EOI

SUBJECT: REQUIREMENT OF RESPONSE/QUOTE WITH TIMELINES FOR MIL STANDARD TESTING FACILITY.

Ref: IMW/SL/ML/Test/24/08/2026/01

1. TEST FACILITY/TEST CENTRE (NABL APPROVED OR EQUIVALENT) FOR AIRWORTHY ITEMS, MIL STD 461G/MIL STD 461C WITH HANDBOOK.
2. PREFERENCE WILL BE GIVEN TO THE FACILITY/TEST CENTRE HAVING TESTS UNDER ONE ROOF.
3. REPRESENTATIVES/TEAM FOR OBSERVING THE TESTS SHOULD BE ALLOWED
4. QUOTE VALIDITY: 90 DAYS
5. NO THIRD-PARTY INVOLVEMENT.
6. PAYMENTS WILL BE CLEARED AFTER SUCCESSFUL TESTING/REPORTS AS PER CSIR-CSIO GUIDELINES.
7. TECHNICAL DETAILS/REQUIREMENTS: ATTACHED
8. CONTACT DETAILS: harry.garg.csio@csir.res.in, sunil.kumar.csio@csir.res.in
9. LAST DATE: 3 DAYS FROM DATE OF TENDER
10. TERMS & CONDITIONS AS PER CSIR-CSIO RULES.
11. Dimensions of unit
 - Dimensions of unit 1: 115mmX95mmX50mm
 - Dimensions of unit 2: 65mmX35mmX35mm
 - Weight: less than 200gm for both the units
12. Test details is attached below:

REQUIREMENT OF EMI/EMC TEST ON A/C LRU

EMI/EMC TESTS: MIL STD 461G/MIL STD 461C

Sl. No.	Methods of Tests	Tests	Frequency Range
1.	CE102	Conducted Emission, AC/DC Power Leads, shall be as per the limits as per Appendix-3 Figure-01.	10kHz – 10MHz
2.	CE07 (as per MIL-STD-461C)	Conducted Emission, transients, Spikes, Time Domain (switching spikes less than 50µsec, ±50% Nominal of RMS for AC or +50%, -150% of Nominal line voltage in case of DC leads).	----
3.	RE102	Radiated Emission, Electric Field shall be as per the limits as per Appendix-3 Figure-09.	2MHz – 18GHz
4.	CS101	Conducted Susceptibility, Power Leads, shall be as per the limits as per Appendix-3 Figure-02, Figure-03.	30Hz – 150kHz
5.	CS114	Conducted Susceptibility, Power Leads, Bulk cable injection shall be as per the limits as per Appendix-3 Figure-04.	10kHz – 200MHz
6.	CS115	Conducted Susceptibility, the test is for verifying the ability of the test sample to withstand impulse signals coupled onto EUT associated cabling. Impulse as Appendix-3 Figure-05 at a 30 Hz rate for one minute.	---
7.	CS116	Conducted Susceptibility for all interconnecting cables, including power cables, and individual high side power leads shall be as per the Figure-06 & Figure-07.	10 kHz to 100 MHz.
8.	CS118	Personnel borne electrostatic discharge ±8kV, First Peak current:30A, as per Figure 08	
9.	RS103	Radiated susceptibility, Electric field.	2MHz – 40GHz 60 V/m