

Dated: 11/08/26

TENDER/EOI

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

REFERENCE: 01-11/08/26

1. TEST FACILITY/TEST CENTRE (NABL APPROVED OR EQUIVALENT) FOR AIRWORTHY ITEMS, MIL-STD-704D, MIL-HDBK-704-8 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
9. LAST DATE: 5 DAYS FROM DATE OF TENDER
10. TERMS & CONDITIONS AS PER CSIR-CSIO RULES.


Dr. Harry Garg

REQUIREMENT OF POWER SUPPLY TESTS ON A/C LRU

Power Supply Tests: MIL-STD-704D, MIL-HDBK-704-8

Test Method	Description	Limit
Normal, Aircraft Electrical Operation		
LDC101	Load Measurements	Inrush Current, Load (VA), Current Distortion Factor & Current Spectrum limits are unique to each equipment and to be defined in equipment specification.
LDC102	Steady State Limits for Voltage	Voltage: 22V - 29 V
LDC103	Voltage Distortion Spectrum	Figure 9 of MIL-STD-704D
LDC104	Total Ripple	1.5 Volts Peak to Peak
LDC105	Normal Voltage Transients	Figure 10 of MIL-STD-704D
Transfer, Aircraft Electrical Operation.		
LDC 201, Power Interrupt	Power Interrupt 50ms, Steady voltage: 22V-29V	
Abnormal, Aircraft Electrical Operation		
LDC301	Abnormal Steady State Limits for Voltage	20V-31.5V
LDC302	Abnormal Voltage Transients (Overvoltage/Under voltage)	Figure 12 of MIL-STD-704D
Emergency, Aircraft Electrical Operation		
LDC401	Emergency Limits for Voltage	Steady State Voltage: 16-31.5V
Starting Aircraft electrical operation		
LDC501	Starting Voltage transients	12-31.5V
Power Failure, Aircraft Electrical Operation		
LDC 601	Power Failure	7 sec, Figure 12 of MIL-STD-704D
LDC602	Polarity Reversal	Polarity Reversal should not cause damage