Dated: 07/07/26

**TENDER/EOI**

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

REFERENCE: 01-07/07/26

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. REPRESNTATIVES/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.

**REQUIRMENT 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 |