

**DETAILS OF TEST FACILITIES AVAILABLE AT VARIOUS LABS OF DGQA**

S.No	Name of the Test	CQAE(WE) Bengaluru	CQA(L) Bengaluru	LRDE Bengaluru	NSTL Vishakapatnam	DLRL Hyderabad	RCI Hyderabad	CQA(Instruments) Raipur, Dehradun	Standard/ Specification/ Policy
1	Vibration (Sine/ Random)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	JSS 55555 - TEST 28
2	High Temperature (Operational)	Yes	Yes	Yes	Yes	Yes	Yes	No	JSS 55555 - TEST 17
3	High Temperature (Storage)	Yes	Yes	Yes	No	No	Yes	No	JSS 55555 - TEST 17
4	Damp Heat	Yes	Yes	Yes	No	No	Yes	No	JSS 55555 - TEST 10
5	Low Temperature	Yes	Yes	Yes	Yes	Yes	Yes	No	JSS 55555 - TEST 20
6	Bump Test	Yes	Yes	No	Yes	Yes	Yes	Yes	JSS 55555 - TEST 05
7	Shock Test	Yes	Yes	Yes	Yes	Yes	Yes	Yes	JSS 55555 - TEST 24
8	Mould Growth	Yes	Yes	No	Yes	No	No	No	JSS 55555 - TEST 21
9	Drip Proof Test	Yes	No	No	Yes	No	No	No	JSS 55555 - TEST 11
10	Salt Corrosion Test	Yes	Yes	No	Yes	No	No	No	JSS 55555 - TEST 09
11	Acid Corrosion Test	No	Yes	No	Yes	No	No	No	JSS 55555 - TEST 07
12	Alkaline Corrosion Test	No	Yes	No	Yes	No	No	No	JSS 55555 - TEST 08
13	Tropical Exposure	Yes	Yes	No	Yes	No	Yes	Yes	JSS 55555 - TEST 27
14	IP - Dust test (5X)	Yes	Yes	No	No	Yes	No	No	IS/IEC 60529
15	IP - Driving Rain (X6)	Yes	Yes	No	No	Yes	No	Yes	
16	Sealing (for hermetically sealed eqpt only)	No	Yes	No	Yes	No	No	Yes	JSS 55555 - TEST 23
17	Contamination	Yes	Yes	No	Yes	No	No	No	JSS 55555 - TEST 06
18	Toppling	Yes	Yes	No	Yes	No	No	No	JSS 55555 - TEST 26
19	Solar Radiation	No	Yes	No	Yes	No	No	No	JSS 55555 - TEST 25

20	Rapid Temperature Cycling	Yes	Yes	Yes	Yes	No	Yes	Yes	JSS 55555 - TEST 22
21	Immersion	Yes	Yes	No	Yes	No	No	No	JSS 55555 - TEST 19
22	Mili Volt Drop	No	No	No	Yes	No	No	No	General Electrical Tests as per DQA(N) Letter 66301/ Policy/ DQA(N) QA dated 25 Jan 18
23	Short Circuit	No	No	No	Yes	No	No	No	
24	Temperature Rise	No	No	No	No	No	No	No	
25	Through Fault	No	No	No	No	No	No	No	
26	Withstand Voltage(HV)	Yes	Yes	Yes	No	No	No	No	
27	Resistance	Yes	No	Yes	No	No	No	No	
28	Operation of Protection Devices	No	No	No	No	No	No	No	
29	Tilt Test	Yes	No	No	No	No	No	No	
30	Load Test	Yes	No	No	No	No	No	No	
31	Intrinsic Safety Test	No	No	No	No	No	No	No	
32	Flame Proof Test	No	No	No	No	No	No	No	
33	Thermal Stress Screening Test	Yes	Yes	Yes	No	No	No	No	ESS Tests as per DQA(N) Letter 66301/ Policy-07 dated 09 Aug 16
34	Random Vibration Stress Screening (RVSS)	Yes	Yes	Yes	No	No	No	No	
35	EMI/ EMC Chamber	No	No	Yes	Yes	No	Yes	No	MIL-STD 461 E/F
36	Driving Rain	Yes	Yes	Yes	No	No	No	No	JSS 55555 - TEST 12
37	Dust Sand	Yes	Yes	Yes	No	No	No	No	JSS 55555 - TEST 14
38	Ship Motion	No	No	No	Yes	No	No	No	NES 1004

**SHOCK TEST FACILITY AVAILABLE FOR MARINE ENGINEERING EQUIPMENT**

S.No.	Name of the Test	CQAE(WE), Bengaluru	CQA(L), Bengaluru	DLRL, Hyderabad	NSTL, Vishakapatnam	RCI, Hyderabad
1	Shock Test Facility	Yes	Yes	Yes	Yes	Yes
2	Thermal Shock Chamber (TS)	Yes	No	Yes	No	Yes
3	Pendulum Shock Test Machine	Yes	No	No	No	Yes