

<b>Laboratory</b>	<b>Production Environmental Test Facility (PETF), Entest, Research Centre Imarat (RCI), DRDO, Vignyanakancha, Hyderabad, Telangana</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Electronics Testing</b>	<b>Issue Date</b>	<b>22.08.2014</b>
<b>Certificate Number</b>	<b>T-3076</b>	<b>Valid Until</b>	<b>21.08.2016</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
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**I. ENVIRONMENTAL TEST FACILITY**

<b>1.</b>	<b>Missile Sub systems (Electro Mechanical) and other Electro Mechanical systems</b>	Vibration -Sine	MIL-STD-810G (31st October-2008)/ JSS 55555 (2000,Rev.2)/ JSS 0256 (2008, Rev.2)/ JSG0102:1984	Frequency: 5 Hz to 2000 Hz Force rating: Upto 4000 kgf, with payload of 800 kg
		-Random	MIL-STD-810G (31st October-2008)/ JSS 55555 (2000, Rev.2)/ JSS 0256 (2008, Rev.2)/ JSG0102:1984	Frequency : 10 Hz to 2000 Hz Force rating: Upto 4000 kgf, with payload of 800 kg
		-Sine on Random	MIL-STD-810G (31st October-2008)	Frequency: 5 Hz to 2000 Hz Force rating: Upto 4000 kgf, with payload of 800 kg
		-Random on Random	MIL-STD-810G (31st October-2008)	Frequency: 10 Hz to 2000 Hz Force rating : Upto 4000 kgf, with payload of 800 kg
		-Time Waveform Replication	MIL-STD-810G	Frequency:

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		(TWR)	(31st October-2008)	5 Hz to 2000 Hz Force rating: Upto 4000 kgf, with payload of 800 kg Maximum Payload : Upto 500 kg
		Shock (Half Sine)	MIL-STD-810G (31st October-2008)/ JSS 55555 (2000,Rev.2)/ JSS 0256 (2008,Rev.2)/ JSG0102:1984	Acceleration: 15 g to 300 g Pulse width: 3 ms to 50 ms Maximum Payload of 500 kg
		Bump (Half Sine)	JSS 55555 (2000, Rev.2)/ JSS 0256 (2008, Rev.2)	Acceleration: 20 g to 100g Pulse width: 6 to 30ms Maximum Payload of 150 kg Acceleration: Upto 100g
		Acceleration	MIL-STD-810G (31st October-2008)/ JSS 55555 (2000,Rev.2)/ JSS 0256 (2008,Rev.2)/ JSG0102:1984	Temperature: 200°C to -70°C
		High/Low Temperature	MIL-STD-810G (31st October-2008)/	Temperature: 180°C to -70°C

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			JSS 55555 (2000,Rev.2)/ JSS 0256 (2008,Rev.2)/ JSG0102:1984	Rate of heating and cooling: Upto15°C/min
		Rapid Temperature Cycling/ Temperature Shock	JSS 55555 (2000,Rev.2)/ JSS 0256 (2008,Rev.2)	Temperature: 180°C to -70°C Rel. Humidity from 10% to 98% RH
		Damp Heat/ / Tropical Exposure/ Temperature with Humidity/ Hot- Wet Diurnal Cycling	JSS 55555 (2000,Rev.2)/ MIL-STD-810G (31st October-2008)/ JSS 0256 (2008,Rev.2)/ JSG0102:1984	Upto: 50 km or 1 mbar
		Low Pressure/ Altitude	MIL-STD-810G (31st October-2008)/ JSS 55555 (2000,Rev.2)/ JSS 0256(2008,Rev.2)/ JSG0102:1984	Temperature: 100°C to -70°C Upto 50 km or 1 mbar
		Temperature- Altitude	JSS 0256 (2008,Rev.2)	Temperature: 180°C to -70°C Rel. Humidity : 10% to 98% RH Upto 50 km or 1 mbar
		Temperature- Altitude- Humidity	MIL-STD-810G (31st October-2008)/ JSS 55555 (2000,Rev.2)	Frequency: 5Hz to 2000Hz Force rating:

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				Upto 4000 kgf & Temperature: 180°C to -70°C Rel. Humidity from 10% to 98% RH Upto 50 km or 1 mbar
		Temperature-Humidity-Altitude Vibration	MIL-STD-810G (31st October-2008)/ JSS 55555 (2000,Rev.2)	Frequency: 5Hz to 2000Hz Force Rating: Upto 4000 kgf & Temperature: 180°C to -70°C & Rel. Humidity from 10% to 98% RH Upto 50 km or 1 mbar
		Environmental Stress Screening (ESS)	MIL-HDBK-344A (16 August 1993)	Frequency: 5Hz to 2000Hz Force Rating: Upto 4000 kgf & Temperature: 180°C to -70°C & Rel. Humidity from 10% to 98% RH Upto 50 km or 1 mbar

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