

FACILITIES AVAILABLE AT BDL, KANCHANBAGH

(Charges are indicative only)

SI No	Test Facility	Specification	Hourly Rate in Rs
1	SPECTRAL RADIOMATER	Make:CI SYSTEMS, ISREAL Spectral Band : 1.2 - 6.5μ wavelength Discrete filter : 3-5μ wavelength Detectors: InSb & Pyro Black Body: 1000° c for Calibration FOV: WFOV (25mrd) for InSb detector & NFOV for Pyro detector	Rs 2750/-
2	VARIABLE VIBRATION	Make: DESPL , Haridwar Rated force: 4000 Kgf sine 4000 Kgf random Frequency: 5 to 2000 Hz Max g : Sine 75g Pk Random 75g rms Slip table dim : 1000 x 1000 mm Displacement : 50 mm pk-pk Profiles : Classical shock,sine,Random, Sine on Random & Random on Random	Rs 2750/-
3	HOT AIR OVEN	Make : AIRCON climatic systems Working space : 1000 x 1000 x 1100 (width x height xdepth) Temp Range : 35° C to 180° C Temp Ramp : 3° C per minute Max Load : 250 Kgs	Rs 2750/-
4	CLIMATIC CHAMBER	Make : Angelenatoni Working space : 1000 c 1020 1500 (width x height x depth) Temp Range : -60° C to 100° C Temp Ramp : 3° C per minute Humidity : 10 to 95% RH Max Load : 400 Kgs	Rs 2750/-
5	SHOCK TABLE VLI - 549	Make : VIJAY LAKSHMI INDUSTRIES Table Dimensions : 115 x 65 mm(LxB) Max 'g' : 20 g Max Load : 100 Kgs Pulse duration : 4 to 7 msec No of Pulses : 2 to 4 per second	Rs 2250/-

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6	SHOCK TABLE VLI - 552	Make : VIJAY LAKSHMI INDUSTRIES Table Dimensions : 120 x 120 mm(LxB) Max 'g' : 40 g Max Load : 200 Kgs Pulse duration : 4 to 7 msec No of Pulses : 2 to 4 per second	Rs 2250/-
7	FIXED VIBRATION COVART - 4853	Make : COVART Table Dimensions : 2000 x 975 mm(LxB) Max 'g' : 6 g Max Load : 100 Kgs Frequency : 50 Hz fixed	Rs 2250/-
8	HOT AIR OVEN SAT/AX	Make : AX -LES -BAINS, France working space : 950 x 950 x 1400 mm (width x height x depth) Temp Range : 35° C to 110° C Temp Ramp : 2° C per minute Max Load : 400 Kgs	Rs 2250/-
9	DROP TEST	Drop Height : Upto 1.5 meters Max weight : 300 Kgs Drop surface : 1000 x 1000 mm As per JSS JSG0102	Rs 2250/-
10	RAIN TEST	Number of showers : 7 Max water pressure : 3 bar Duration of testing : upto 30 minutes Test space area : 500 x 1400 mm	Rs 2250/-
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11	FOUNDRY MASTER PRO : GENERAL : size of the sample:10 x 10 mm(Min.) MINIATURE : Ø 2 X 50 mm (Min.)	As per requirement (DIN,IS,ASTM & EN series)	Rs. 1500/- for first five elements Rs. 500/- for subsequent each element
12	C & S (Carbon & Sulpher) LECO Sample : Chips & Powder	As per requirement (DIN,IS,ASTM & EN series)	Rs. 1500/- for each sample

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13	AAS (Atomic Absorption Spectrophotometer) Sample : Chips & Powder	As per requirement (DIN,IS,ASTM & EN series)	Rs. 1500/- for each sample
14	Electro Magnetic Analyzer: for Copper & Lead Alloys only Sample : chips & Powder	As per requirement	Rs. 1500/- for each sample
15	PAINTS: Epoxy, Poly-Urethana, NC, Acrylic, alkyd,vinyl & Anamil based paints primary tests will be carried out	As per requirement(Colour, Consistancy, Viscosity,Adhesion,sacratch Hardness, Peel off,Bend test & Solid content)	Rs. 5000/- for PU paints; Rs.4500/- for Epoxy paints; Rs.3500/- for NC, acrylic, vinyl & Alkyd & Anamil paints
16	Varnishes	As per requirements (Colour, Viscosity, Adhesion, Solid content & Break down voltage/ Insutation resistance)	Rs. 2500/- for each sample
17	RUBBER BASED ADHESIVES : (Phenolic, Symthetic & Neoprene)	As per requirements (Colour, Viscosity, Solid content, Drying, Peel/Shear strength & Thermal Shock)	Rs. 3500/- for each sample
18	Rubber Specification Tests: Sample size: 150 x 150 mm (Minimum 2 nos of samples)	As per requirements shore A, Elongation % Tensile Strength	Rs. 2500/- for each sample
19	RTV silicon sealents & PR (Polysulphide Sealent Compounds)	As per requirements (Colour, Consistancy Drying time, Hardness Shore A, Elongation, Tensile strength,solid content & Resistance to Fuels)	Rs. 3500/- for each sample
20	Aralditeis (Epoxy based): Two or three components	As per requirement (Colour, Viscosity, Pot Life, Shear Strength, Curing time, Thermal shock)	Rs. 3500/- for each sample
21	Hardness Test 1.Brinnell 2.Vickers 3.Rockwell	Brinnell Cum Vickers Hardness Tester Max load - 250 Kg Min load - 15.625 Kg Max throat Opening - 350 mm. Brinnell Cum Vickers Hardness Tester Max load - 60 Kg Min load - 5.0 Kg Max throat Opening - 350 mm. 'B' Scale : 0 - 100 HRB 'C' Scale : 0 - 100 HRC Max throat Opening - 250 mm	Rs. 750/- Rs. 750/- Rs. 750/-

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22	Mechanical Tests UTS 0.2% PS Elongation Compression Tests Bend , Spring etc	Machine : UTM Make : Instron Max load: 250 KN Max Operating area : 800mm Sample Holding grips a) Round - 40mm Max b) Flat - 16mm Max	Rs. 1000/- Rs. 500/-
23	UTS 0.2%PS Elongation	Machine : UTM Make : FIE Max load : 400 KN Max Operating area : 800mm Sample Holding grips a) Round - 40mm Max b) Flat - 16mm Max	Rs. 1000/-
24	Tensile Tests Tensile Strength Elongation Modulus of Elasticity	Machine : Tensile Tester Make : DAK Systems Max load : 5.0 KN Max Operating area : 1100mm	Rs. 1000/-
25	Hardness Tests 1.Rubber 2.Platics	Shore 'A' 0-100 Points Shore 'D' 0-100 Points	Rs. 500/- Rs. 500/-
26	Metallographic Tests 1.Micro Structure 2.Grain Size 3.Inclusion Rating 4.Inter Granual Corrosion 5.Case Depth	Instrumental Optical Microscope Make : Vaiseshika Capacity : 12.5x - 200x	Rs. 1620/- Rs. 1200/- Rs. 1980/- Rs. 4800/- Rs. 1200/-
27	Spring Test Load vs Compression (Tensile Tester in Compression mode)	Machine : Tensile Tester Make : DAK Systems Max load : 5.0 KN Max Operating area : 1100mm	Rs. 950/-
28	Torsion Test for Springs	Torsionmeter : 5.0 - 50 N mm	Rs. 1000/-

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29	CORROSION TEST: Salt Spray Chamber: size: I 30 x B 18 x H 12 inch. Temp range : 25°C to 35°C	As per IS / JSS or as per requirement.	Rs. 625/- per hour of exposure
30	CM-ENVIROSYSTEMS: Climatic Chamber	Size of the Chamber: W600 X D600 X H850 mm Temperature range : -75°C to 180°C RH: 5 to 98%	Rs. 2750/- per hour of exposure

NOTE:

- 1) ** : The test facility will be provided to the private party by way of quotation based on the extent of testing requirement.
- 2) Statutory duties & taxes are extra as applicable.