

Testing Charges

| Sr. No. | Name of Equipment | Test that could be performed | Charges for SLIETians (Rs.) | Charges for other Educational Institutions (Rs.) | Charges for Industry personnel (Rs.) | Location of Lab |
|---------|--|--|-----------------------------|--|--------------------------------------|---------------------|
| 1 | Dry Sand Abrasion Test Rig | Wear test (per sample) | 500.00 | 900.00 | 1000.00 | Auto & Farm Lab |
| 2 | Slurry Abrasion Test Rig | Wear test (per sample) | 250.00 | 400.00 | 450.00 | |
| 3 | Jet Erosion Test Rig | Wear test (per sample) | 400.00 | 600.00 | 650.00 | |
| 4 | Rotating Beam Fatigue Tester | Material Testing (per sample) | 100.00 | 180.00 | 300.00 | |
| 5 | Cryogenic Treatment Chamber | Sub Zero treatment (per cycle) | 21,500.00 | 22,300.00 | 23000.00 | |
| 6 | Muffle Furnace | Up to 1000°C (per hrs.) | 100.00 | 180.00 | 325.00 | |
| 7 | Wear & friction monitoring machine | Wear studies (per sample) | 100.00 | 200.00 | 250.00 | Metallurgy Lab |
| 8 | Labotom specimen cutting | Specimen cutting (per sample) | 100.00 | 400.00 | 550.00 | |
| 9 | Fatigue crack growth rate (FCGR) testing | Fatigue studies (per sample) | 1,000.00 | 1,600.00 | 1800.00 | |
| 10 | Ferritoscope | Ferrite content measurement (per sample) | 50.00 | 80.00 | 125.00 | |
| 11 | Impact tester | Toughness measurement (per sample) | 15.00 | 40.00 | 100.00 | |
| 12 | Microscope | Microstructure evaluation (per sample) | 50.00 | 70.00 | 150.00 | Simulation Lab |
| 13 | Portable surface roughness tester | Roughness measurement (per sample) | 20.00 | 35.00 | 50.00 | Metrology Lab |
| 14 | Wire Cut EDM | Specimen preparation (per hrs.) | 200.00 | 400.00 | 750.00 | Work Shop |
| 15 | CNC Turning Centre | Machining (per hrs.) | 100.00 | 250.00 | 300.00 | |
| 16 | 3-D Engraving Machine | Engraving Pattern (per hrs.) | 150.00 | 250.00 | 300.00 | |
| 17 | SAW (MS) | Welding (per hrs.) | 300.00 | 500.00 | 600.00 | Advance Welding Lab |
| 18 | SAW (SS) | Welding (per hrs.) | 400.00 | 700.00 | 800.00 | |
| 19 | GMAW (MIG) (MS) | Welding (per hrs.) | 550.00 | 650.00 | 750.00 | |
| 20 | GMAW (MIG) (SS) | Welding (per hrs.) | 650.00 | 850.00 | 1150.00 | |

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| 21 | TIG (MS) | Welding (per hrs.) | 300.00 | 450.00 | 550.00 | |
| 22 | TIG (SS) | Welding (per hrs.) | 400.00 | 650.00 | 750.00 | |
| 23 | Micro Plasma | Welding (per hrs.) | 350.00 | 500.00 | 700.00 | |
| 24 | Stir casting Equipment | Stir casting (per treatment) | 200.00 | 630.00 | 1100.00 | Advance Casting Lab / SOM Lab / Simulation Lab |
| 25 | Solaris CCD plus spectrometer | Chemical composition (per sample) | 250.00 | 350.00 | 450.00 | |
| 26 | Computerised UTM | Mechanical properties (per sample) | 200.00 | 300.00 | 500.00 | |
| 27 | Digital Micro VHT | Hardness Measurement (per sample) | 20.00 | 60.00 | 100.00 | |
| 28 | Extrusion Machine | Making Wire Filament (4 hrs) | 180.00 | 270.00 | 500.00 | Additive Manufacturing Lab |
| 29 | 3D Polymer Printing | Polymer Printing / FDM (4 hrs) | 300.00 | 400.00 | 850.00 | |
| 30 | 3D Ceramic Printing | Ceramic Printing / LDM (4 hrs) | 370.00 | 700.00 | 1100.00 | |
| 31 | 3D Metal Printing | Metal Printing / FDM (4 hrs) | 400.00 | 500.00 | 1000.00 | |
| 32 | Sintering Oven | Sintering (upto 10 hrs slot) | 850.00 | 1200.00 | 2000.00 | |
| | | Sintering (10 to 20 hrs slot) | 1700.00 | 2400.00 | 4000.00 | |