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| **Mechanical Department Lab details** |
| **Sl No.** | **Name of Laboratory** | **Carpet Area****(Sq. mt.)** | **Major Equipment available** |
| 1 | FMS Lab | 108.58 | Centrifugal Pump, Pelton Turbine, Franscis Turbine, Kaplan Turbine, Gear Pump, Reciprocating Pump. |
| 2 | CAED Lab | 52.44 | Systems-21 (HP core i3 and Dual core), Canon LBP 2900b Laser printer,100mps and 1gbps switch, UPS equipped with LED projector & installed with Solid edge software   |
| 3 | Foundry & Forging Lab | 108.58 | Sand Testing Equipment & Core Testing, UTM Compression Testing Machine, Sand Ramming Tools, Mould Boxes & Paterns, Gas furnace |
| 4 | MS & MT Lab | 64.4 | Metallurgical Microscope 2 Nos, Polishing Machine for Specimen |
| 5 | Material Science & Inst | 66.62 | Metallurgical Microscope, Polishing specimens Universal Testing Machine's Compassion Testing Machine |
| 6 | Heat Transfer Lab | 99.68 | Thermal Conductivity, Natural and forced convection, Emissivity, Heat exchanger, Pin-Fin apparatus, refrigeration and Air Conditioning. |
| 7 | CAD & CAM | 52.44 | Systems-20, M Tab Milling, Solid Edge Software 60 Licenses, Server Upgrade Dual Core, P4 2.8X2 160 4B Hard Disk, Analysis 13 SNX Can Software and UPS power backup. |
| 8 | Energy conversion Lab | 65.41 | Morse Test, Single cylinder Diesel Engine, Multi Cylinder diesel Engine, Air Compressor, Four Stroke Petrol engine, Redwood Viscometer, Pensky martin apparatus, Valve timing diagram. |
| 9 | Basic Workshop | 153.64 | Chisels-05, Hacksaw Frame-30, Electrodes, Welding Gun-2, Tongs-20, Cutters=15, Files-60, BenchWise-20, Welding Shield, Marking Gauge, tri-Square. |
| 10 | Design Lab | 86.01 | Governors, Balancing equipment, Gyroscope, Journal Bearing, Vibration Setup |
| 11 | Machine Shop | 267.72 | 21 Lathe, 02 Shapers, 02 Milling, 01 Su 2101 Automatic Capstan & Turret Lathe, Are Welding Air-cooled & Hot Spot welding Testing equipment, Core Testing. |