

MECHANICAL TESTING LABORATORY

TEST FACILITIES FOR PUMPS , BLOWERS, COMPRESSORS VALVES, PIPE FITTINGS ETC.,

- ◆ Fully automated pump test bench of better than 0.2 class accuracy
- ◆ Magnetic flow meters of various ranges
- ◆ Pressure / Vacuum Transducers of various ranges
- ◆ Pumps upto 50KW, Pipe size upto 150mm NB
- ◆ Solar pump Testing as per MNRE

- ◆ IS: 779 - Water Meters (Domestic Type).
- ◆ IS: 6595 - Horizontal Centrifugal Pumps for Clear, Cold Water — Specification.
- ◆ IS: 8418 - Centrifugal Self-Priming Pumps.
- ◆ IS: 9137 - Centrifugal, Mixed Flow and Axial Pumps – Class C
- ◆ IS: 9542 - Horizontal Centrifugal Monosets for Clear, Cold, Fresh Water — Specification.
- ◆ IS: 10805 - Foot-Valves, Reflux Valves or Non-Return Valves and Bore Valves to be used in Suction Lines of Agricultural Pumping Systems.
- ◆ IS: 11501 - Engine Monoset Pumps for Clear, Cold, Fresh Water for Agricultural Purposes.

MECHANICAL MATERIAL TESTING

- ◆ IS 1500 - Metallic materials – Brinell hardness test.
- ◆ IS 1586 - Metallic materials – Rockwell Hardness test.
- ◆ IS 1599 - Metallic materials – Bend test.
- ◆ IS 1786 - High Strength deformed steel bars and wires for concrete reinforcement - Specification
- ◆ IS 1608 - Metallic materials – Tensile testing.
- ◆ IS 3600 - Method of testing fusion welded joints and weld metal in steel.
- ◆ IS 7906 - Specification for cold coiled springs made from circular section wire and bar.

Material Testing

All tests are conducted as per National / International standards & Customer Specifications.



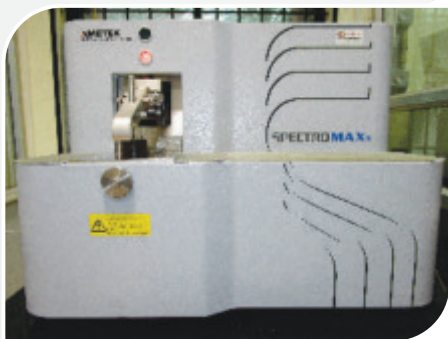
CHEMICAL TESTING LABORATORY

WET ANALYSIS

- ◆ Testing of steel and cast iron as per IS 228 and 12308
- ◆ Testing of Copper Base Alloys (Bronze, Brass and Others) as per IS 440 & IS 4027 & IS 7212
- ◆ Testing of Aluminium and it's alloys as per IS 504 & AAS
- ◆ Testing of Zinc, Tin, Lead, Magnesium, Nickel and Its alloys
- ◆ Testing of Ferro Silicon as per IS - 1559, Ferro chromium as per IS - 13452, Ferro Manganese, Ferro Phosphorous, Ferro Sulphur, Ferro Molybdenum
- ◆ Testing of Building Materials Like, Sand, Flyash, Refractory Materials.
- ◆ Testing of Ores & Minerals like, Iron Ore, Lime Stone, Dolomite, Silica Sand
- ◆ Ash Content in Rubber Sample

TEST FACILITIES

- ◆ Raw materials analysis
- ◆ Testing of moisture, Sulphur, Volatile matter, Ash and Fixed carbon for coal & coke as per IS : 1350
- ◆ Atomic absorption spectrophotometer for the estimation of metallic elements
- ◆ Strohleim appartus for the accurate estimation of Carbon & Sulphur
- ◆ Regular Wet analysis for volumetric and Gravimetric estimation
- ◆ Optical emission spectro photometer (OES)
Details : Iron base, Copper Base, Alumium Base, Nickel base, Cobalt base Titanium base as per Indian Standard and ASTM Standard.



For more Details Contact:

SCIENTIFIC AND INDUSTRIAL TESTING AND RESEARCH CENTRE

#83, 84, Avarampalayam Road, K.R.Puram Post, Coimbatore-641006.

Ph : 0422- 2560473, 094875 80473 Whatsapp : 63697 93937

Email : sitarcinfo@sitarc.com, Website : www.sitarc.com