

❖ **Testing facilities as per General Rules/ OIML standards/ ISO:IEC/BIS standards:**

- All types of non-automatic weighing instrument (including weighbridges)
- Automatic weighing instrument (AGFM, hopper weigher, belt weigher, WIM, rail w/b, etc.)
- Dispensing units (petrol, diesel, LPG, CNG, LNG etc.)
- Liquor measures (peg, proving etc.)
- Flow Meters
- Water meters
- Thermometers
- Sphygmomanometers
- Length Measures (Tape measures etc.)
- Taxi meters
- Any other weight or measure as per OIML standards



❖ **Other Testing facilities as per ISO:IEC/BIS standards:**

- Discharge Test
- Burst Test
- Voltage Interruption Test
- Environmental Test

Parameter: Mass



Equipment

Secondary, Working, Analytical, Newton, Dead Weight etc.

Range/Accuracy

1mg to 500g of E1 & 1mg to 5 kg of E2
1mg to 1200kg of F1,F2,M1,M2 & M3

Parameter: Mass



Equipment

Non-automatic weighing instrument (weighing balances including weighbridges)

Range/Accuracy

2 g to 200 tonne

Parameter: Volume



Equipment

Burette, Pipette, Volumetric Flask, Measuring cylinder, density cup etc.

Range/ Accuracy

As per BIS Specification for class A & class B

Parameter: Dimensional Measurements



Equipment

Vernier Caliper, Micrometer, dial gauge, depth, gauge, ring & plug gauge, internal and external micrometers etc.

Range/ Accuracy

As per BIS Specification for class A & class B

Parameter: Dimensional Measurements



Equipment

Tape/ Length Measures

Range/ Accuracy

0 to 100m

Calibrated against Digital Tape measure of least count 5 μ m

Parameter: Hydrometer



Equipment

Density, Brix, Twiddle etc.

Range/ Accuracy

0.6 to 1.5g/cc with least count 0.0005g/cc

Parameter: Temperature



Equipment

Thermometer, temperature gauge

Range/ Accuracy

0 to 300 °C with least count 0.1 °C

Parameter: Pressure



Equipment

Pressure gauge including B P Meter

Range/ Accuracy

-1 to 1100 kg./cm² with an accuracy of 0.1%

Parameter: Test Sieves



Equipment

All Types

Range/Accuracy

As per BIS specification with least count $50\mu\text{m}$ with 350x magnification

Parameter: Force



Load Cell Calibration Capability as per IS 4169, ISO/IEC 376, ASTM E74

i) **Dead Weight Force Calibration Machine:** Accuracy : Less than 100ppm

Capacity: 5kN in Compression & Tensile Mode

ii) **Force Comparator Machine**

:Accuracy: Less than 500ppm

Capacity: 50kN in Compression & Tensile Mode

Parameter: Torque



Equipment

Torque Calibration Machine

Range/ Accuracy

0.1Nm to 1000Nm

Parameter: Flow



Equipment

Flow Meter

Range/ Accuracy

upto 100mm

Parameter: Flow



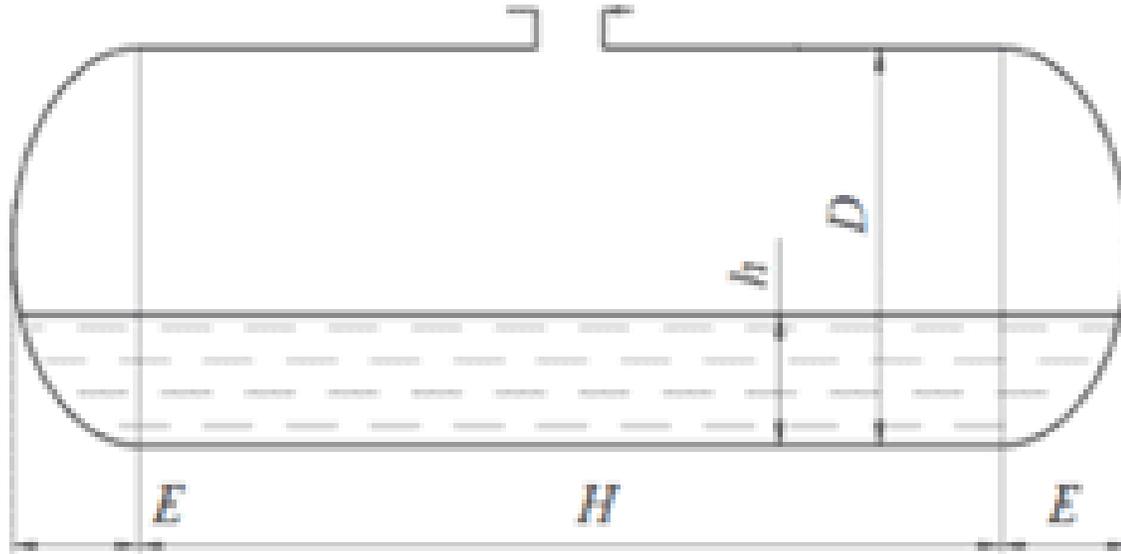
Equipment

Water Meter Calibration Facility by Primary Method

Range/ Accuracy

using gravimetric method

Parameter: Tank Calibration



Calibration of Tank

- Horizontal and Vertical Land Tanks Calibration
- Ship and Barge Tank Volume
- Petroleum and chemical storage tank