



MSME-TESTING STATION  
GOVERNMENT OF INDIA  
MINISTRY OF MSME

47-E, INDUSTRIAL AREA,  
GOVINDPUR  
BHOPAL – 462023  
PHONE/FAX:0755-2586075  
Email : [dcts-bhopal@dcmsme.gov.in](mailto:dcts-bhopal@dcmsme.gov.in)  
[dctsbhopal@gmail.com](mailto:dctsbhopal@gmail.com)

TESTING FACILITIES  
(A) METALLURGY DIVISION

(1) MECHANICAL TESTING OF METALS AND ALLOYS :

- Tensile test IS : 1608
- Bend test IS : 1599
- Rebend test IS : 1786
- Testing of welded joints IS : ASME SEC. IX
- Hardness test : Vickers, Brinell and Rockwell IS : 1501, 1500
- Impact test IS : 1757, 1598
- Flattening and Drift test IS : 2328, 2335
- Breaking load test

(2) METALLOGRAPHY :

- Microscopic examination of ferrous & Non-ferrous metals & alloys IS : 7739
- Diagnostic study and failure analysis

(3) PRODUCT TESTING :

- Structural steel IS : 2026, IS : 2062
- M.S. welded flats/joints IS : 3600
- CTS/TMT bar IS : 1786
- Nut and bolt IS : 1367
- Wire rope IS : 2266
- Copper and copper alloys (tube) BS : 2871



Digital pH METER : SYSTRONICS, INDIA METTLER ELECTRONIC BALANCE  
(METTLER)

EQUIPMENT INSTALLED IN CHEMICAL DIVISION

- Carbon – sulphur determination apparatus : Abroline, Mumbai.
- Electrolytic Analyser : Swiss, India
- Digital pH-meter : Systronics, India EUTECH INSTRUMENTS
- Electric Oven : Lab Hosp, India
- Electric Muffle Furnace : Kumar Brothers, India
- Mettler Electronic Balance, Metter, Germany
- Digital Coating thickness gauge, Pulsecho system
- Digital conductivity meter of Technofour make.
- Hot water bath 12 holes capacity scientific SICO.
- Scientific physical balance : Scientific sales, syndicate.

(C) MECHANICAL DIVISION

MECHANICAL TESTING OF NON METALLIC ITEMS

- |                                     |           |
|-------------------------------------|-----------|
| • Cement concrete flooring tiles    | IS : 1237 |
| • Common burnt clay building bricks | IS : 1077 |
| • Rubber (Tensile & shore hardness) | IS : 3400 |
| • Wool felt                         | IS : 1719 |
| • HDPE woven bags                   | IS : 9755 |
| • LDPE film                         | IS : 2508 |
| • Epoxy material                    |           |
| • Plastic material                  |           |
| • Concrete cubes                    |           |
| • Polymer pin & disc insulator      |           |

CALIBRATION OF INSTRUMENTS

- Vernier caliper : 300mm
  - Outside micrometer : 100 mm
  - Height gauge : 300 mm
  - Depth gauge : 300 mm
  - Dial gauge : 25 mm
  - Pressure gauge : 1 to 750 kg/cm<sup>2</sup>
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## FOR CALIBRATION MEASURING INSTRUMENTS INSTALLED IN MECHANICAL DIVISION

- Slip guage set 87 pieces  
Make : Mitutoyo gade : I
- Micrometer checking slip guage set  
Make : Mikronix. Grade : 0
- Caliper checker 300 mm  
Make : Mikronix  
Range : 300 mm
- Dial guage calibration tester  
Make : KIPL, Pune  
Range : 25 mm, LC : 1 Micron
- Dead weight pressure guage tester  
Make : RAVIKA
- Range : 1 to 750 kg/cm<sup>2</sup>

### **MSME-TESTING STATION BHOPAL**

MSME-Testing Station, Bhopal (formerly known as field testing station) is working since 1983 under the Ministry of Micro Small and Medium Enterprises, Government of India, to cater the needs of Testing and Quality improvement of Industrial sector with preference to Micro, Small & Medium Enterprises in Madhya Pradesh. MSME-Testing Station, Bhopal is equipped with testing machinery and equipments conforming to high standards of accuracy.

#### OBJECTIVE :-

The objective of Testing Station, Bhopal is to provide testing facilities and consultancy to MSMEs with a thrust on quality improvement of raw material and finished products. The main objective is:

- To assist MSME in the State of M.P. in quality improvement by testing their raw materials, finished products and calibration of their instruments.
- To help in improving quality of products of MSME for participation in Govt. stores purchase programme.
- To provide testing facilities to MSME in order to produce goods conforming to Indian & other Standard specifications.
- To provide third party assurance to BHEL, RITES, Defence, CPWD, NTPC and other State & Central Govt. agencies etc.

## **RULES AND PROCEDURE TO AVAIL TESTING FACILITIES AT MSME-TS**

- The samples on which testing are to be conducted by us to be delivered at our premises by the parties concerned.
- While submitting test samples the representatives of industries are required to specify their test requirements mentioning clause under standard specifications like IS, BSS, ASTM or as per firms own request.
- Testing of samples will start only after the job requisition has been signed & the party has paid testing charges in full.
- The Large-scale industries, Unregistered small units, Traders & other organization will be charged 25% extra over & above the rates charged for registered Micro, Small & Medium scale units.

### **OUR APPROACH**

Our motto is to serve the customers on priority giving due consideration to their grievances, if any.

### **OUR POLICY**

To achieve excellence in material analysis, product testing and calibration service through satisfaction of customer's need by continual improvement in professional skill and commitment to time-bound services.

### **OUR CHARGE**

Very nominal, which registered Micro & small scale units can easily afford. Charges are to be paid through DD in favour of "Pay and Accounts Officer (MSME), Mumbai".