

# Testing Facilities

Sl. No.	Machinery and equipment Name	Brief specification	Qty.
1	<b>Three point internal micrometer.</b>	<b>Range:</b> 20mm-25mm, 25mm-30mm, 30mm-40mm, 40mm-50mm, 50mm-63mm, 62mm-75mm, 75mm-88mm 87mm-100mm, 100mm-125mm, 125mm-150mm, 150mm-175mm, 175mm-200mm	1 Set
2	<b>Absolute LCD bore gage</b>	Size:1.8-4 Inch/45-100 mm, 4-6.5 inch/100-160 mm	1
3	<b>Outside micrometer</b>	Graduation: 0.01mm, 0.001 mm Flatness: 0.6 $\mu$ m	6
4	<b>Dial gauge (Analog)</b>	<b>Graduation:</b> 0.01mm	10
5	<b>Dial test indicator (puppy dial)</b>	<b>Graduation:</b> 0.01mm	5
6	<b>Vernier caliper</b>	0-300mm	10
7	<b>Vernier calipers digital</b>	6 inch, 12 inch, 18 inch, 24 inch	4
8	<b>Vernier bevel protector</b>		4
9	<b>Vernier height gauge (Analog)</b>	0-600 mm Accuracy 0.03 Graduation 0.02	1
10	<b>Granite surface</b>	1000 x 1000 x150 mm Calibration certificate required	1
11	<b>Digital linear height gauge</b>		1
12	<b>Portable surface roughness tester</b>		1
13	<b>Coordinate Measuring Machine (CMM)</b>	Type CNC, 900 X 1000 X 800 X,Y,Z	1
14	<b>Name: Rockwell Hardness Tester</b>	Rockwell test scales: A, B, C, D, E, F, G, H, K, L, M, P, R, S, V, Superficial Rockwell Scale: 15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y, HVT test scales: HVT5, HVT 10, HVT 20, HVT 30, HVT 50, HVT 100 and HVT120	1
15	<b>Brinell hardness tester</b>	Ball indentors: 10mm, 5mm, 2.5mm, Test force selection: Electronic, closed loop, load cell, force feedback system, indication in kgf or N.	1
16	<b>Portable hardness tester</b>	Measuring range: 0-100 $\mu$ m; 19-70 HRC; 35-1,000 HV, Resolution: 0.1 $\mu$ m; 0.1 HRC; 1 HV	1
17	<b>Ultrasonic Coating Thickness Gauge</b>	Thickness measuring range on steel: From 0.7 mm to 300 mm, Thickness resolution: 0.01 mm for <99.00mm, Thickness resolution: 0.1 mm for >100mm.	1

18	<b>Portable inferred Temperature Measurement Pyrometer</b>	Temperature ranges: 600 Degree centigrade – 2500 Degree centigrade	1
19	<b>Metallurgical microscope</b>	30° view and photo tube, Eyepieces: 10X Plano, Field of vision: 18	1
20	<b>Floor Standing Optical Emission Spectrometer (OES)</b>	The floor standing Optical Emission Spectrometer (OES) shall be suitable for quantitative analysis of <b>Fe, Al, Cu, Ni, Co, Mg, Zn and Ti</b> based alloys.	1