



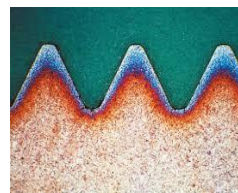
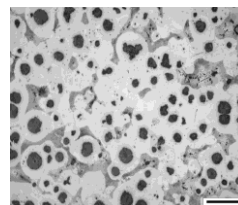
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CENTRAL INSTITUTE OF ROAD TRANSPORT

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Metallurgy Laboratory



About Us:

- NABL Accredited for Hardness and Tensile Test.
- Expertise lies in Microstructural and Macrostructural examination.
- Test facility available for Mechanical Testing such as Hardness, Tensile Test of various metals.

Test Facility available at Metallurgy Lab

Sr. No.	Test Parameter	Relevant Test Specification	Test Equipment
Metallurgical Analysis			
1	Designation of Microstructure of Graphite of cast Iron Products	IS 7754 : Part 1: 2022	Motorised Metallurgical Microscope with image analysing Software
2	Micro-structural Analysis of Ferrous & Non- Ferrous Materials, Alloy & Products	ASM Volume 9: 2004	Motorised Metallurgical Microscope with image analysing Software
3	Non-Metallic Inclusions Rating by Method A of Ferrous materials, alloys and products	IS:4163: 2021	Motorised Metallurgical Microscope with image analysing Software
4	Measurement of Case depth of Ferrous materials, alloys and products	IS: 6416:2022	Motorised Metallurgical Microscope with image analysing Software
Mechanical Testing			
5	Brinell Hardness Test Rockwell Hardness Test Vickers Hardness Test of Ferrous & Non- Ferrous Materials, Alloy & Products	IS:1500 (Part 1): 2019 IS 1586 (Part 1):2025 IS 1501(Part 1): 2025	- Universal Hardness Tester - Brinell Cum Vickers Hardness Tester - Digital Rockwell Hardness Tester - Rockwell Hardness Tester
6.	Tensile Strength, Bend Test, Flattening Test, Drift Expanding Test of Metallic Material.	IS:1608 (Part 1): 2022 IS: 1599:2023 IS:2328:2018 IS: 2335:2005	Universal Testing Machine (200KN)



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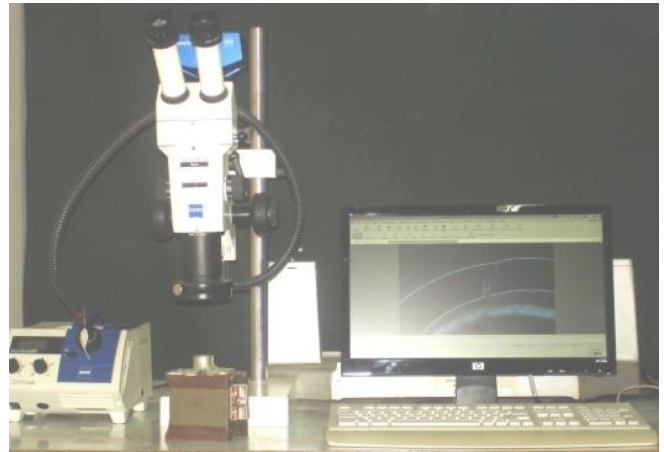


Test Equipment's of Metallurgy Lab

1.0 Motorised Metallurgical Microscope with image analysing Software



2.0 Stereo Microscope and Image Analyser



3. 0 Universal Testing Machine (200KN)



4.0 Hardness Testing Machines



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For More Details, Please scan the below QR Code

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