National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ORDNANCE FACTORY MURADNAGAR, MURADNAGAR, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5535 **Page No** 1 of 5

Validity 15/06/2022 to 14/06/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Alloy Steel	B%	IS:8811
2	CHEMICAL- METALS & ALLOYS	Alloy Steel	C%	IS:8811
3	CHEMICAL- METALS & ALLOYS	Alloy Steel	Cr%	IS:8811
4	CHEMICAL- METALS & ALLOYS	Alloy Steel	Cu%	IS:8811
5	CHEMICAL- METALS & ALLOYS	Alloy Steel	Mn%	IS:8811
6	CHEMICAL- METALS & ALLOYS	Alloy Steel	Mo%	IS:8811
7	CHEMICAL- METALS & ALLOYS	Alloy Steel	Ni%	IS:8811
8	CHEMICAL- METALS & ALLOYS	Alloy Steel	P%	IS:8811
9	CHEMICAL- METALS & ALLOYS	Alloy Steel	S%	IS:8811
10	CHEMICAL- METALS & ALLOYS	Alloy Steel	Si%	IS:8811
11	CHEMICAL- METALS & ALLOYS	Alloy Steel	Ti%	IS:8811
12	CHEMICAL- METALS & ALLOYS	Alloy Steel	V%	IS:8811
13	CHEMICAL- METALS & ALLOYS	Alloy Steel	Wet C%	IS:228 Part-3
14	CHEMICAL- METALS & ALLOYS	Cast Iron	Al%	IS:15338
15	CHEMICAL- METALS & ALLOYS	Cast Iron	C%	IS:15338
16	CHEMICAL- METALS & ALLOYS	Cast Iron	Cr%	IS:15338
17	CHEMICAL- METALS & ALLOYS	Cast Iron	Cu%	IS:15338
18	CHEMICAL- METALS & ALLOYS	Cast Iron	Mn%	IS:15338

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19	CHEMICAL- METALS & ALLOYS	Cast Iron	Mo%	IS:15338
20	CHEMICAL- METALS & ALLOYS	Cast Iron	Ni%	IS:15338
21	CHEMICAL- METALS & ALLOYS	Cast Iron	P%	IS:15338
22	CHEMICAL- METALS & ALLOYS	Cast Iron	Pb%	IS:15338
23	CHEMICAL- METALS & ALLOYS	Cast Iron	S%	IS:15338
24	CHEMICAL- METALS & ALLOYS	Cast Iron	Si%	IS:15338
25	CHEMICAL- METALS & ALLOYS	Cast Iron	V%	IS:15338
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Wet C%	IS:12308
27	CHEMICAL- METALS & ALLOYS	Cast Iron	Wet Mn%	IS: 12308
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Wet P%	IS: 12308
29	CHEMICAL- METALS & ALLOYS	Cast Iron	Wet Si%	IS:12308
30	CHEMICAL- METALS & ALLOYS	Ferro Chrome	Wet Cr%	IS:1559
31	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Wet Mn%	IS: 1559
32	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Wet Si%	IS:1559
33	CHEMICAL- METALS & ALLOYS	Ferro Vanadium	Wet V%	IS:1559
34	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Wet Mn%	IS:228 Part 3
35	CHEMICAL- METALS & ALLOYS	Low Alloy steel	Wet P%	IS:228 Part-3
36	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Wet S%	IS:228 Part-3
37	CHEMICAL- METALS & ALLOYS	Low Alloy steel	Wet Si%	IS:228 Part-3

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38	CHEMICAL- METALS & ALLOYS	Stainless steel	C%	IS:9879
39	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cr%	IS:9879
40	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cu%	IS:9879
41	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mn%	IS:9879
42	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mo%	IS:9879
43	CHEMICAL- METALS & ALLOYS	Stainless Steel	Ni%	IS:9879
44	CHEMICAL- METALS & ALLOYS	Stainless Steel	P%	IS:9879
45	CHEMICAL- METALS & ALLOYS	Stainless Steel	S%	IS:9879
46	CHEMICAL- METALS & ALLOYS	Stainless Steel	Si%	IS:9879
47	CHEMICAL- ORES & MINERALS	FlourSpar	Wet Caf%	IS:2411
48	CHEMICAL- ORES & MINERALS	Iron ores	Wet Fe%	IS:1493
49	CHEMICAL- ORES & MINERALS	Iron ores	Wet Fe2O3%	IS:1493
50	CHEMICAL- ORES & MINERALS	Lime Stone	Wet CaO%	IS:1760
51	CHEMICAL- ORES & MINERALS	Limestone	Calcium Carbonate	IS 1760 (Part-3):1992, RA
52	CHEMICAL- ORES & MINERALS	Magnesite Bricks/Cement	MgO%	IS:1760
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS		Vickers Hardness Test	IS:1501
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% of Elongation by Hounsfied Tensometer	IS 1608:
55	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength by Hounsfied Tensometer	IS 1608:

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56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Bend Test	IS 1599
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Charpy Impact Test (U Notch) @ room temperature	IS 1499:
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Charpy Impact Test (V Notch) @ Room Temperature (20-35 Degree Centigrade) & Other than Room Temperature	IS 1757 (Part-1)
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Izod Test @ Room Temperature 20-35 degree centigrade	IS 1598:
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron	Ultimate tensile strength by Hounsfield Tensometer	IS 1608:
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron	% of Elongation	IS 1608:
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron	% Reduction in Area	IS 1608:
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron	Brinell Hardness Test HBW (2.5/187.5)	IS 1500:
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron	Rockwell Hardness Test	IS 1586:
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron	Rockwell Hardness Test	IS 1586:
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron	Ultimate Tensile Strength	IS 1608:
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron	Vickers Hardness Test	IS 1501:
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron	Vickers Hardness Test	IS 1501:
69	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Determination of Graphite Shape Size and Distribution	IS 7754

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70	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous material	Testing local thickness of electroplated coatings (microscopic/Eddy current method)	IS 3203
71	MECHANICAL-METALLOGRAPHY TEST	Steel	Determination of Inclusion Rating (NMIR)	IS 4163
72	MECHANICAL-METALLOGRAPHY TEST	Steel	Estimation Of Grain Size By Microscopic Method (Comparison Method)	IS 4748
73	MECHANICAL-METALLOGRAPHY TEST	Steel	Macro Etch Test	IS 13015
74	MECHANICAL-METALLOGRAPHY TEST	Steel	Measuring Decarburized depth of steel (microscopic method)	IS 6396
75	MECHANICAL-METALLOGRAPHY TEST	Steel	Micro structure Evaluation	ASM HAND BOOK VOL-9
76	MECHANICAL- TEXTILE MATERIALS	Medical Textiles	Resistance of Materials used in Protective Clothing to Penetration by Synthetic Blood	ASTM F1670 / F1670M-17a
77	MECHANICAL- TEXTILE MATERIALS	Medical Textiles	Resistance of protective clothing materials to penetration by blood and body fluids.	ISO 16603
78	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Castings	Radiography by using Gamma ray Co-60	IS 2595
79	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Castings	Radiography by using X-Ray	IS 2595