National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HEAT FABS, T-183, MIDC, BHOSARI, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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- CORROSION TESTS	Stainless steel	Intergranular corrosion test (IGC)	ASTM A 262 (Practice A)
2	CHEMICAL- CORROSION TESTS	Stainless steel	Intergranular corrosion test (IGC)	ASTM A 262 (Practice B)
3	CHEMICAL- CORROSION TESTS	Stainless steel	Intergranular granular corrosion test (IGC)	ASTM A 262 Practice C
4	CHEMICAL- CORROSION TESTS	Stainless steel	Intergranular granular corrosion test (IGC)	ASTM A 262 Practice E
5	CHEMICAL- METALS & ALLOYS	.Aluminium and it's alloys	IRON	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	.Aluminium and it's alloys	SILICON	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminium and it's alloys	CHROMIUM	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium and it's alloys	COPPER	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium and it's alloys	MAGNESIUM	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminium and it's alloys	MANGANESE	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminium and it's alloys	NICKEL	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Aluminium and it's alloys	ZINC	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	ALUMINIUM	ASTM E-415
14	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	ALUMINIUM	IS 8811
15	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	CARBON	ASTM E-415
16	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	CARBON	IS 8811
17	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	CHROMIUM	ASTM E-415
18	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	CHROMIUM	IS 8811

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19	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	COPPER	ASTM E-415
20	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	COPPER	IS 8811
21	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	MANGANESE	ASTM E-415
22	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	MANGANESE	IS 8811
23	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	MOLYBDENUM	ASTM E-415
24	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	MOLYBDENUM	IS 8811
25	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	NICKEL	ASTM E-415
26	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	NICKEL	IS 8811
27	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	NIOBIUM	ASTM E-415
28	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	NIOBIUM	IS 8811
29	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	PHOSPHORUS	ASTM E-415
30	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	PHOSPHORUS	IS 8811
31	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	SILICON	ASTM E-415
32	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	SILICON	IS 8811
33	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	Sulphur	ASTM E-415
34	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	SULPHUR	IS 8811
35	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	TITANIUM	ASTM E-415
36	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	TITANIUM	IS 8811
37	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	VANADIUM	ASTM E-415

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38	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel (Low,Medium, High)	VANADIUM	IS 8811
39	CHEMICAL- METALS & ALLOYS	Stainless steel	CARBON	ASTM E-1086
40	CHEMICAL- METALS & ALLOYS	Stainless steel	CARBON	IS 9879
41	CHEMICAL- METALS & ALLOYS	Stainless steel	CHROMIUM	ASTM E-1086
42	CHEMICAL- METALS & ALLOYS	Stainless steel	CHROMIUM	IS 9879
43	CHEMICAL- METALS & ALLOYS	Stainless steel	COPPER	ASTM E-1086
44	CHEMICAL- METALS & ALLOYS	Stainless steel	COPPER	IS 9879
45	CHEMICAL- METALS & ALLOYS	Stainless steel	MANGANESE	ASTM E-1086
46	CHEMICAL- METALS & ALLOYS	Stainless steel	MANGANESE	IS 9879
47	CHEMICAL- METALS & ALLOYS	Stainless steel	MOLYBDENUM	ASTM E-1086
48	CHEMICAL- METALS & ALLOYS	Stainless steel	MOLYBDENUM	IS 9879
49	CHEMICAL- METALS & ALLOYS	Stainless steel	NICKEL	ASTM E-1086
50	CHEMICAL- METALS & ALLOYS	Stainless steel	NICKEL	IS 9879
51	CHEMICAL- METALS & ALLOYS	Stainless steel	PHOSPHORUS	ASTM E-1086
52	CHEMICAL- METALS & ALLOYS	Stainless steel	PHOSPHORUS	IS 9879
53	CHEMICAL- METALS & ALLOYS	Stainless steel	SILICON	ASTM E-1086
54	CHEMICAL- METALS & ALLOYS	Stainless steel	SILICON	IS 9879
55	CHEMICAL- METALS & ALLOYS	Stainless steel	SULPHUR	ASTM E-1086
56	CHEMICAL- METALS & ALLOYS	Stainless steel	SULPHUR	IS 9879

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57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	BRINELL HARDNESS TEST (10 MM/3000 KG)	IS 1500 (PART 1)
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	BAR,WIRE,RODS,PLATE ,PIPE, SHEET SAMPLES.	REDUCTION IN AREA	ASTM A 370
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	BAR,WIRE,RODS,PLATE ,PIPE, SHEET WIRES SAMPLES.	% ELONGATION	ASTM A 370
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	BAR,WIRE,RODS,PLATE ,PIPE, SHEET WIRES SAMPLES.	YIELD STRENGTH	ASTM A 370
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	CHARPY IMPACT "V" NOTCH TEST (ISO 148)	ISO 148
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	BRINELL HARDNESS TEST (10 MM/3000 KG)	ASTM A 370
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	BRINELL HARDNESS TEST (10 MM/3000 KG)	ASTM E 10
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	BRINELL HARDNESS TEST (5 MM/750 KG)	ASTM A 370
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	BRINELL HARDNESS TEST (5 MM/750 KG)	ASTM E 10
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	BRINELL HARDNESS TEST (5 MM/750 KG)	IS 1500 (PART 1)
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	CHARPY IMPACT "V" NOTCH TEST	ASTM A 370
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	CHARPY IMPACT "V" NOTCH TEST	IS 1757 Part1
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	CHARPY IMPACT "V" NOTCH TEST (ASTM MACHINE)	ASTM E 23
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	IZOD IMPACT TEST	IS 1598

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71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, PIPE SAMPLES .	ULTIMATE TENSILE STRENGTH	ASTM A 370
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, PIPE SAMPLES,	% ELONGATION	ASTM A 370
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE SAMPLES, PIPE SAMPLES, SHEET SAMPLES.	ULTIMATE TENSILE STRENGTH	ASTM A 370
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PLATE.SHEETS , TUBES AND PIPE SAMPLES	YIELD STRENGTH	ASTM A 370
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES	ERICHSON CUPPING TEST	IS 10175
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	% ELONGATION	ASTM A 370
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	% ELONGATION	IS 1608 part 1
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	% ELONGATION	IS 1608 Part1
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	% REDUCTION IN AREA	IS 1608 Part1
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	0.2 % PROOF STRESS	ASTM A 370
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	0.2% PROOF STRESS	IS 1608 Part1
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	ULTIMATE TENSILE STRENGTH	ASTM E 8 / 8M
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	ULTIMATE TENSILE STRENGTH	IS 1608 Part1
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	YIELD STRENGTH	IS 1608 Part1

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85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	% REDUCTION IN AREA	IS 1608 Part1
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	0.20 % PROOF STRESS	IS 1608 Part1
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	ULTIMATE TENSILE STRENGTH	IS 1608 Part1
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	YIELD STRENGTH	ASTM A 370
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	YIELD STRENGTH	IS 1608 Part1
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	% ELONGATION	ASTM A 370
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	% REDUCTION AREA	ASTM E 8 / 8M
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	% REDUCTION IN AREA	ASTM A 370
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	0.2% PROOF STRESS	ASTM A 370
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	ULTIMATE TENSILE STRENGTH	ASTM A 370
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	YIELD STRENGTH	ASTM E 8 / 8 M
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	YIELD STRENGTH	ASTM E8 / 8M
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	% ELONGATION	ASTM E 8 / 8M
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	% ELONGATION	ASTM E8 / 8M

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99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	% REDUCTION IN AREA	ASTM A 370
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	% REDUCTION IN AREA	ASTM E8 / 8M
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	0.2% PROOF STRESS	ASTM E 8 / 8M
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	0.2% PROOF STRESS	ASTM E8 / 8M
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	BEND TEST	IS 1599
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	ULTIMATE TENSILE STRENGTH	ASTM A 370
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES ETC.	ULTIMATE TENSILE STRENGTH	ASTM E8 / 8M
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL HARDNESS TEST (HRBW)	ASTM A370
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL HARDNESS TEST (HRBW)	ASTM E18
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL HARDNESS TEST (HRBW)	IS 1586 (PART 1)
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL HARDNESS TEST (HRC)	ASTM E 18
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL HARDNESS TEST (HRC)	ASTMA370
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL HARDNESS TEST (HRC)	IS 1586 PART 1
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 15N)	ASTM A 370

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113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 15N)	ASTM E 18
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 15N)	IS 1586 (PART 1)
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 15T)	ASTM A370
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 15T)	ASTM E 18
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 15T)	IS1586 PART 1
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 30N)	ASTM A370
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 30N)	ASTM E 18
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 30N)	IS 1586 (PART 1)
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 30T)	ASTM A 370
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 30T)	IS 1586(PART 1)
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 45N)	ASTM A370
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 45N)	ASTM E 18
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 45N)	IS 1586 (PART 1)
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 45T)	ASTM A 370

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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
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 45T)	ASTM E 18
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ROCKWELL SUPERFICIAL HARDNESS TEST (HR 45T)	IS 1586 (PART 1)
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES, NUTS AND BOLTS, WASHER.	ASTM E 18
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	SHEET SAMPLES, PLATE SAMPLES, PIPE SAMPLES, FORGED SAMPLES, CAST SAMPLES.	YIELD STRENGTH	ASTM A 370
131	MECHANICAL-METALLOGRAPHY TEST	CAST PRODUCTS (CAST IRON , WHITE CAST IRON , GREY CAST IRON , MELEE ABLE CAST IRON , DUCTILE CAST IRON)	GRAPHITE TYPE , DISTRIBUTION , SIZE , NODULARITY & NODULE COUNT	ASTM A 247
132	MECHANICAL-METALLOGRAPHY TEST	CAST PRODUCTS (CAST IRON , WHITE CAST IRON , GREY CAST IRON , MELEE ABLE CAST IRON , DUCTILE CAST IRON)	GRAPHITE TYPE , DISTRIBUTION , SIZE , NODULARITY & NODULE COUNT	IS 7754
133	MECHANICAL-METALLOGRAPHY TEST	HEAT TREATED SAMPLES, BOLTS , CRANK SHAFTS .	TOTAL CASE DEPTH MEASUREMENT BY MICROSCOPIC METHOD	IS 6416
134	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, HEAT TREATED SAMPLE , CAST PRODUCTS .	MICROSTRUCTURAL ANALYSIS.	ASTM E 407
135	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, HEAT TREATED SAMPLE , CAST PRODUCTS .	MICROSTRUCTURAL ANALYSIS. PHASE IDENTIFICATION AND COMMENTS ON QUALITY OF HEAT TREATMENT.	ASM HANDBOOK VOL.9
136	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, HEAT TREATED SAMPLE , CAST PRODUCTS.	Determination of Content of Nonmetallic Inclusions - Micrographic Method Using Standard Diagrams	IS 4163
137	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, HEAT TREATED SAMPLE , CAST PRODUCTS.	NON-METALLIC INCLUSION RATING	ASTM E 45
138	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, NUT , BOLT , HEAT TREATED SAMPLE , CAST PRODUCTS .	GRAIN SIZE MEASUREMENT	IS 4748
139	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, NUT , BOLT , HEAT TREATED SAMPLE , CAST PRODUCTS.	GRAIN SIZE MEASUREMENT	ASTM E 112

SCOPE OF ACCREDITATION

Laboratory Name : HEAT FABS, T-183, MIDC, BHOSARI, PUNE, MAHARASHTRA, INDIA
Accreditation Standard ISO/IEC 17025:2017
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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
140	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, NUT , BOLT , HEAT TREATED SAMPLE , CAST PRODUCTS.	MICROSTRUCTURAL ANALYSIS , PHASE IDENTIFICATION , COMMENT ON QUALITY OF HEAT TREATMENT	ASM HANDBOOK VOL.9
141	MECHANICAL-METALLOGRAPHY TEST	SHEET SAMPLE , PLATE SAMPLE , FORGED SAMPLES, NUT , BOLT , HEAT TREATED SAMPLE , CAST PRODUCTS.	MICROSTRUCTURAL ANALYSIS , PHASE IDENTIFICATION , COMMENT ON QUALITY OF HEAT TREATMENT	ASTM E407 - 07
142	MECHANICAL-METALLOGRAPHY TEST	WELDED SAMPLE	MACRO STRUCTURAL ANALYSIS	BS EN ISO 17639
143	MECHANICAL-METALLOGRAPHY TEST	WELDED SAMPLE	MACRO STRUCTURAL ANALYSIS	ASTM E 340
144	MECHANICAL-METALLOGRAPHY TEST	WELDED SAMPLE	MACRO STRUCTURAL ANALYSIS (LEG LENGTH , CONVEXITY , CONCAVITY , WELD PENETRATION)	ISO 5817
145	MECHANICAL-METALLOGRAPHY TEST	WELDED SAMPLE	MACRO STRUCTURAL ANALYSIS (THROAT , LEG LENGTH , CONVEXITY , CONCAVITY , WELD PENETRATION)	ASME SEC - IX