National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : THE K.C.P. LIMITED - TESTING LABORATORY, NO. 8, BASIN ROAD,THIRUVOTTIYUR, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 04/04/2023 to 03/04/2025 **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	Carbon Steel	Aluminium	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Carbon Steel	Aluminium	IS 8811
3	CHEMICAL- METALS & ALLOYS	Carbon Steel	Carbon	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Carbon Steel	Carbon	IS 8811
5	CHEMICAL- METALS & ALLOYS	Carbon Steel	Chromium	ASTM E415
6	CHEMICAL- METALS & ALLOYS	Carbon Steel	Chromium	IS 8811
7	CHEMICAL- METALS & ALLOYS	Carbon Steel	Copper	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Carbon Steel	Copper	IS 8811
9	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	IS 8811
11	CHEMICAL- METALS & ALLOYS	Carbon Steel	Molybdenum	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Carbon Steel	Molybdenum	IS 8811
13	CHEMICAL- METALS & ALLOYS	Carbon Steel	Nickel	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon Steel	Nickel	IS 8811
15	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorous	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorous	IS 8811
17	CHEMICAL- METALS & ALLOYS	Carbon Steel	Silicon	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Carbon Steel	Silicon	IS 8811

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19	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulfur	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulfur	IS 8811
21	CHEMICAL- METALS & ALLOYS	Carbon Steel	Tin	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Carbon Steel	Tin	IS 8811
23	CHEMICAL- METALS & ALLOYS	Carbon Steel	Titanium	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Carbon Steel	Titanium	IS 8811
25	CHEMICAL- METALS & ALLOYS	Carbon Steel	Tungsten	JIS 1253
26	CHEMICAL- METALS & ALLOYS	Carbon Steel	Vanadium	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Carbon Steel	Vanadium	IS 8811
28	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	IS 8811
30	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 8811
32	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E415
33	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 8811
34	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E415
35	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 8811
36	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E415
37	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 8811

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38	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E415
39	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	IS 8811
40	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E415
41	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 8811
42	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	ASTM E415
43	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	IS 8811
44	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM E415
45	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 8811
46	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulfur	ASTM E415
47	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulfur	IS 8811
48	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin	ASTM E415
49	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin	IS 8811
50	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	ASTM E415
51	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	IS 8811
52	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tungsten	JIS 1253
53	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E415
54	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	IS 8811
55	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Steel, Carbon Steel, Alloy Steel and Stainless Steel	Tensile Strength	IS 1608 (Part1)

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56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Carbon Steel, Alloy Steel and Stainless Steel	Yield Strength	IS 1608 (Part 1)
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	% Elongation	ASTM A370
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	% Elongation	ASTM E8/E8M
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	% Elongation	IS 1608 (Part 1)
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	% Elongation	ISO 6892-1
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	% Reduction of Area	ASTM A370
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	% Reduction of Area	ASTM E8/E8M
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	% Reduction of Area	IS 1608 (Part 1)
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	% Reduction of Area	ISO 6892-1
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	0.2% Proof Strength	ASTM A370
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	0.2% Proof Strength	ASTM E8/E8M
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	0.2% Proof Strength	ISO 6892-1
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	0.2% Proof Stress	IS 1608 (Part 1)
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Bend Test	ASTM E290

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70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Bend Test	IS 1599
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Bend Test	ISO 7438
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Brinell Hardness HBW 2.5/187.5	ASTM E10
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Brinell Hardness HBW 2.5/187.5	IS 1500 (Part 1)
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Brinell Hardness HBW 2.5/187.5	ISO 6506-1
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Impact Test (Charpy V Notch) @ -40deg C to RT	IS 1757 (Part 1)
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Impact Test (Charpy V Notch) @ -40deg C to RT	ISO 148-1
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Rockwell Hardness HRBW	ASTM A370
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Rockwell Hardness HRBW	ASTM E18
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Rockwell Hardness HRBW	IS 1586 (Part 1)
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Rockwell Hardness HRBW	ISO 6508-1
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Rockwell Hardness HRC	ASTM A370
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Rockwell Hardness HRC	ASTM E18
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Rockwell Hardness HRC	IS 1586 (Part 1)

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84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Rockwell Hardness HRC	ISO 6508-1
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Tensile Strength	ASTM A370
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Tensile Strength	ASTM E8/E8M
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Tensile Strength	ISO 6892-1
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Vickers Hardness HV10	ASTM E92
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Vickers Hardness HV10	IS 1501 (Part 1)
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Vickers Hardness HV10	ISO 6507-1
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Vickers Hardness HV30	ASTM E92
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Vickers Hardness HV30	IS 1501 (Part 1)
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Vickers Hardness HV30	ISO 6507-1
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Vickers Hardness HV5	ASTM E92
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Vickers Hardness HV5	IS 1501 (Part 1)
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Vickers Hardness HV5	ISO 6507-1
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Yield Strength	ASTM A370

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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
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Yield Strength	ASTM E8/E8M
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Steel, Stainless Steel, Carbon Steel and Alloy Steel	Yield Strength	ISO 6892-1