National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PROMPT METALLURGICAL SERVICES, SURVEY NO. 36, HISSA NO. 1/3/1, NARHE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6811 **Page No** 1 of 8

Validity 12/03/2022 to 11/03/2024 **Last Amended on** 26/10/2022

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	Stainless Steel	S	JIS G 1253
2	CHEMICAL- METALS & ALLOYS	Stainless Steel	Si	JIS G 1253
3	CHEMICAL- METALS & ALLOYS	Stainless Steel	Ti	JIS G 1253
4	CHEMICAL- METALS & ALLOYS	Stainless Steel, Tool Steel , HCHCr,	Cr	JIS G 1253
5	CHEMICAL- METALS & ALLOYS	Aluminium & Alluminium Alloys	Cr	ASTM-E-1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & Alluminium Alloys	Fe	ASTM-1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & Alluminium Alloys	Mg	ASTM-E-1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & Alluminium Alloys	Mn	ASTM-E-1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & Alluminium Alloys	Ni	ASTM-E-1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & Alluminium Alloys	Pb	ASTM-E-1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & Alluminium Alloys	Sn	ASTM-E-1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & Alluminium Alloys	Sr	ASTM-E-1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & Alluminium Alloys	Zn	ASTM-E-1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Cu	ASTM E-1251
15	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Si	ASTM E-1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Ti	ASTM E-1251
17	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon & high carbon steel)	Pb	JIS G 1253
18	CHEMICAL- METALS & ALLOYS	Cast iron	Al	JIS G 1253

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6811 **Page No** 2 of 8

Validity 12/03/2022 to 11/03/2024 **Last Amended on** 26/10/2022

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19	CHEMICAL- METALS & ALLOYS	Cast Iron	B	JIS G 1253
20	CHEMICAL- METALS & ALLOYS	Cast Iron	C	JIS G 1253
21	CHEMICAL- METALS & ALLOYS	Cast Iron	Co	JIS G 1253
22	CHEMICAL- METALS & ALLOYS	Cast Iron	Cr	JIS G 1253
23	CHEMICAL- METALS & ALLOYS	Cast Iron	Cu	JIS G 1253
24	CHEMICAL- METALS & ALLOYS	Cast Iron	Mg	JIS G 1253
25	CHEMICAL- METALS & ALLOYS	Cast Iron	Mn	JIS G 1253
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Mo	JIS G 1253
27	CHEMICAL- METALS & ALLOYS	Cast Iron	Nb	JIS G 1253
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Ni	JIS G 1253
29	CHEMICAL- METALS & ALLOYS	Cast Iron	P	JIS G 1253
30	CHEMICAL- METALS & ALLOYS	Cast Iron	S	JIS G 1253
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Si	JIS G 1253
32	CHEMICAL- METALS & ALLOYS	Cast iron	Sn	JIS G 1253
33	CHEMICAL- METALS & ALLOYS	Cast Iron	Ti	JIS G 1253
34	CHEMICAL- METALS & ALLOYS	Cast iron	V	JIS G 1253
35	CHEMICAL- METALS & ALLOYS	Cast Iron	W	JIS G 1253
36	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	As	BS EN 15079
37	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Cr	BS EN 15079

SCOPE OF ACCREDITATION

Laboratory Name : PROMPT METALLURGICAL SERVICES, SURVEY NO. 36, HISSA NO. 1/3/1, NARHE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6811 **Page No** 3 of 8

Validity 12/03/2022 to 11/03/2024 **Last Amended on** 26/10/2022

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
38	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Fe	BS EN 15079
39	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Mn	BS EN 15079
40	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Ni	BS EN 15079
41	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	P	BS EN 15079
42	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Pb	BS EN-15079
43	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	S	BS EN 15079
44	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Sb	BS EN 15079
45	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Sn	BS EN 15079
46	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Zn	BS EN-15079
47	CHEMICAL- METALS & ALLOYS	Copper & copper alloys	Zr	BS EN 15079
48	CHEMICAL- METALS & ALLOYS	Copper & Its alloys	Al	BS EN 15079
49	CHEMICAL- METALS & ALLOYS	Copper & Its alloys	Be	BS EN 15079
50	CHEMICAL- METALS & ALLOYS	Copper & Its alloys	Co	BS EN 15079
51	CHEMICAL- METALS & ALLOYS	Copper & Its alloys	Si	BS EN 15079
52	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys - Stainless Steel	Ni	ASTM-E-1086
53	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys - Stainless Steel,Tools Steel & HCHCr	Nb	JIS G 1253
54	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	Al	ASTM-E-415
55	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	B	JIS G 1253
56	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	B	ASTM E 415

SCOPE OF ACCREDITATION

Laboratory Name : PROMPT METALLURGICAL SERVICES, SURVEY NO. 36, HISSA NO. 1/3/1, NARHE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6811 **Page No** 4 of 8

Validity 12/03/2022 to 11/03/2024 **Last Amended on** 26/10/2022

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
57	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	C	ASTM E 415
58	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	Co	ASTM-E-415
59	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	Cr	ASTM-E-415
60	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	Cu	ASTM-E-415
61	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	Mn	ASTM-E-415
62	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	Mo	JIS G 1253
63	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	Ni	ASTM-E-415
64	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	P	ASTM-E-415
65	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	S	JIS G 1253
66	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	Si	JIS G 1253
67	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	Ti	ASTM-E-415
68	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	V	ASTM-E-415
69	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys- Low Alloy Steel & Free Cutting Steels	W	JIS G 1253
70	CHEMICAL- METALS & ALLOYS	Ferrous Metals & Alloys-Stainless Steel	P	ASTM-E-1086
71	CHEMICAL- METALS & ALLOYS	Low alloy Steel & Free cutting Steel	Al	JIS G 1253
72	CHEMICAL- METALS & ALLOYS	Low alloy Steel & Free cutting Steel	As	ASTM E 415
73	CHEMICAL- METALS & ALLOYS	Low alloy Steel & Free cutting Steel	Mo	ASTM E 415
74	CHEMICAL- METALS & ALLOYS	Low alloy Steel & Free cutting Steel	Nitrogen	ASTM E 415
75	CHEMICAL- METALS & ALLOYS	Low alloy Steel & Free cutting Steel	Nitrogen	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name : PROMPT METALLURGICAL SERVICES, SURVEY NO. 36, HISSA NO. 1/3/1, NARHE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6811 **Page No** 5 of 8

Validity 12/03/2022 to 11/03/2024 **Last Amended on** 26/10/2022

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
76	CHEMICAL- METALS & ALLOYS	Low alloy Steel & Free cutting Steel	S	ASTM E 415
77	CHEMICAL- METALS & ALLOYS	Low alloy Steel & Free cutting Steel	Si	ASTM E 415
78	CHEMICAL- METALS & ALLOYS	Low alloy Steel & Free cutting Steel	Sn	ASTM E 415
79	CHEMICAL- METALS & ALLOYS	Low Alloy Steels & Free Cutting Steels	Mn	JIS G 1253
80	CHEMICAL- METALS & ALLOYS	Low Alloy Steels & Free Cutting Steels	Ti	JIS G 1253
81	CHEMICAL- METALS & ALLOYS	Stainless Steel	C	ASTM E 1086
82	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cr	ASTM E 1086
83	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cu	ASTM 1086
84	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cu	JIS G 1253
85	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mn	ASTM E 1086
86	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mo	ASTM E 1086
87	CHEMICAL- METALS & ALLOYS	Stainless Steel	S	ASTM E 1086
88	CHEMICAL- METALS & ALLOYS	Stainless Steel	Si	ASTM E 1086
89	CHEMICAL- METALS & ALLOYS	Stainless Steel, Tool Steel , HCHCr	Nitrogen	JIS G 1253
90	CHEMICAL- METALS & ALLOYS	Stainless Steel, Tool Steel , HCHCr,	Mn	JIS G 1253
91	CHEMICAL- METALS & ALLOYS	Stainless Steel, Tool Steel , HCHCr,	Ni	JIS G 1253
92	CHEMICAL- METALS & ALLOYS	Tool Steel & HCHCr	Mo	JIS G 1253
93	CHEMICAL- METALS & ALLOYS	Tool steel , HCHCr	Cu	JIS G 1253
94	CHEMICAL- METALS & ALLOYS	Tool Steel , HCHCr	P	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name : PROMPT METALLURGICAL SERVICES, SURVEY NO. 36, HISSA NO. 1/3/1, NARHE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6811 **Page No** 6 of 8

Validity 12/03/2022 to 11/03/2024 **Last Amended on** 26/10/2022

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
95	CHEMICAL- METALS & ALLOYS	Tool Steel , HCHCr	W	JIS G 1253
96	CHEMICAL- METALS & ALLOYS	Tool Steel , HCHCr, Stainless Steel	Co	JIS G 1253
97	CHEMICAL- METALS & ALLOYS	Tool Steel , HCHCr, Stainless Steel	V	JIS G 1253
98	CHEMICAL- METALS & ALLOYS	Tool Steel, HCHCr	C	JIS G 1253
99	CHEMICAL- METALS & ALLOYS	Tool Steel, HCHCr	S	JIS G 1253
100	CHEMICAL- METALS & ALLOYS	Tool Steel, HCHCr	Si	JIS G 1253
101	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & Aluminium Alloys	Brinell Hardness Test	IS 1500- Part 1
102	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & Aluminium alloys	Rockwell Hardness Scale -B	IS 1586-Part 1
103	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & Aluminium Alloys	Vickers Hardness (HV1)	IS 1501-Part-1
104	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Copper Alloys	Brinell Hardness Test	IS 1500-Part-1
105	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Copper Alloys	Rockwell Hardness Scale - B	IS 1586- Part-1
106	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Copper Alloys	Vickers hardness (HV1)	IS 1501- Part -1
107	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material (Steel & Cast Iron), Aluminium Alloy, Copper Alloy	% Reduction In Area	IS 1608 - 1
108	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material (Steel & Cast Iron), Aluminium Alloy , Copper Alloy	Yield Strength & 0.2% proof stress	IS 1608 (Part 1)
109	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material (Steel & Cast Iron), Aluminium Alloy, Copper Alloy	Ultimate Tensile Strength	IS 1608 -1

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6811 **Page No** 7 of 8

Validity 12/03/2022 to 11/03/2024 **Last Amended on** 26/10/2022

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110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material (Steel & Cast Iron), Aluminium Alloy , Copper Alloy	Bend Test	IS 1599
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material (Steel & Cast Iron), Aluminium Alloy, Copper Alloy	% Elongation	IS 1608 -1
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron specimen & Components	Brinell Hardness Test	IS 1500 Part 1
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron Specimen & Components	Rockwell Hardness Scale A	IS 1586- part 1
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron Specimen & Components	Rockwell Hardness Scale B	IS 1586-Part 1
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron Specimen & Components	Rockwell Hardness Scale-C	IS 1586- Part-1
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Cast Iron Specimen & Components	Vickers Hardness(HV1)	IS 1501-Part-1
117	MECHANICAL-METALLOGRAPHY TEST	Al alloy	Macro Etching	ASTM E 340
118	MECHANICAL-METALLOGRAPHY TEST	Cast Iron material/Products	Type, Size & Distribution of Graphites in cast iron	IS 7754
119	MECHANICAL-METALLOGRAPHY TEST	Copper Alloy	Macro Etching	ASTM E 340
120	MECHANICAL-METALLOGRAPHY TEST	Copper alloy & Products	Average Grain Size	ASTM E 112
121	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Macro Etching	ASTM E 340
122	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	Non-Metallic Inclusion ratting by Method A	ASTM E 45
123	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloy & product	Average Grain Size	ASTM E 112
124	MECHANICAL-METALLOGRAPHY TEST	Steel & Cast Iron Specimen & Components	Microstructure	ASM Handbook Vol-9
125	MECHANICAL-METALLOGRAPHY TEST	Steel & Cast Iron Specimen & Components	Non-Metallic Inclusion Rating by method A	IS 4163

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6811	**Page No**	8 of 8
Validity	12/03/2022 to 11/03/2024	**Last Amended on**	26/10/2022

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126	MECHANICAL-METALLOGRAPHY TEST	Steel & Stainless steel	Average Grain Size Measurement	IS 4748
127	MECHANICAL-METALLOGRAPHY TEST	Steel material & Components	Effective case Depth (By Microvickers Hardness method at 400 X / HV1)	IS 6416
128	MECHANICAL-METALLOGRAPHY TEST	Weldments	Macro Etching	ASTM E 340