National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

PARTH METALLURGICAL SERVICES PRIVATE LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number: TC-5451

Issue Date: 21/07/2026 **Valid Until:** 28/11/2029

This certificate supersedes the Certificate No. TC-5451 with issue date 29/11/2025 in view of change in legal entity of the laboratory.

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: PARTH METALLURGICAL SERVICES PRIVATE LIMITED

Signed for and on behalf of NABL

Anuja Anand
Director

Dr. Ramanand N. Shukla
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 1 of 41

Validity 21/07/2026 to 28/11/2029 **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 Testing				
1	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin (Sn)	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Vanadium	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	Cast Iron	Aluminum	IS 15338
14	CHEMICAL- METALS & ALLOYS	Cast Iron	Aluminum	JIS G 1253
15	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999
16	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 15338

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 2 of 41

Validity 21/07/2026 to 28/11/2029 **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
17	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	JIS G 1253
18	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	JIS G 1253
19	CHEMICAL- METALS & ALLOYS	Cast Iron	Cobalt	JIS G 1253
20	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999
21	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	IS 15338
22	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	JIS G 1253
23	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338
24	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	JIS G 1253
25	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E1999
27	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	IS 15338
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	JIS G 1253
29	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	JIS G 1253
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	IS 15338
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 3 of 41

Validity 21/07/2026 to 28/11/2029 **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
33	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
34	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338
35	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	JIS G 1253
36	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
37	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	IS 15338
38	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	JIS G 1253
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	ASTM E1999
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	IS 15338
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	JIS G 1253
42	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium	BSEN 15079
43	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony	BSEN 15079
44	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Arsenic	BSEN 15079
45	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Bismuth	BSEN 15079
46	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BSEN 15079
47	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BSEN 15079
48	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BSEN 15079

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 4 of 41

Validity 21/07/2026 to 28/11/2029 **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
49	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BSEN 15079
50	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	BSEN 15079
51	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BSEN 15079
52	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silver	BSEN 15079
53	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Sulphur	BSEN 15079
54	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BSEN 15079
55	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BSEN 15079
56	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Aluminium	ASTM E 415
57	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Aluminium	IS 8811
58	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Aluminum	JIS G 1253
59	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Boron	ASTM E 415
60	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Boron	IS 8811
61	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Boron	JIS G 1253
62	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low alloy steel	Carbon	ASTM E 415
63	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Carbon	IS 8811
64	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Carbon	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 5 of 41

Validity 21/07/2026 to 28/11/2029 **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
65	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Chromium	ASTM E 415
66	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Chromium	IS 8811
67	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Chromium	JIS G 1253
68	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Cobalt	ASTM E 415
69	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Cobalt	IS 8811
70	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Cobalt	JIS G 1253
71	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Copper	ASTM E 415
72	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Copper	IS 8811
73	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Copper	JIS G 1253
74	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low alloy steel	Manganese	ASTM E 415
75	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Manganese	IS 8811
76	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Manganese	JIS G 1253
77	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Molybdenum	ASTM E 415
78	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Molybdenum	IS 8811
79	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Molybdenum	JIS G 1253
80	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Nickel	ASTM E 415

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 6 of 41

Validity 21/07/2026 to 28/11/2029 **Last Amended on** -

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81	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Nickel	IS 8811
82	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Nickel	JIS G 1253
83	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Niobium	ASTM E 415
84	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Niobium	IS 8811
85	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Niobium	JIS G 1253
86	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Nitrogen	ASTM E 415
87	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Nitrogen	JIS G 1253
88	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Phosphorous	JIS G 1253
89	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low alloy steel	Phosphorus	ASTM E 415
90	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Phosphorus	IS 8811
91	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Silicon	ASTM E 415
92	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Silicon	IS 8811
93	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Silicon	JIS G 1253
94	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low alloy steel	Sulphur	ASTM E 415
95	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Sulphur	IS 8811
96	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Sulphur	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 7 of 41

Validity 21/07/2026 to 28/11/2029 **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
97	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Titanium	ASTM E 415
98	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Titanium	IS 8811
99	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Titanium	JIS G 1253
100	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Tungsten	JIS G 1253
101	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Vanadium	ASTM E 415
102	CHEMICAL- METALS & ALLOYS	Plain carbon & low alloy steel	Vanadium	IS 8811
103	CHEMICAL- METALS & ALLOYS	Plain carbon & Low Alloy Steel	Vanadium	JIS G 1253
104	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	JIS G 1253
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminum	JIS G 1253
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Boron	JIS G 1253
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
108	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 9879
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	JIS G 1253
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 8 of 41

Validity 21/07/2026 to 28/11/2029 **Last Amended on** -

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113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	JIS G 1253
116	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
117	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
118	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	JIS G 1253
119	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
120	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
121	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	JIS G 1253
122	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086
123	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
124	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	JIS G 1253
125	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	JIS G 1253
126	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	JIS G 1253
127	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	JIS G 1253
128	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E 1086

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 9 of 41

Validity 21/07/2026 to 28/11/2029 **Last Amended on** -

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129	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
130	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
131	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
132	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	JIS G 1253
133	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1086
134	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	IS 9879
135	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	JIS G 1253
136	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	JIS G 1253
137	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	JIS G 1253
138	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	JIS G 1253
139	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	JIS G 1253
140	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt	JIS G 1253
141	CHEMICAL- METALS & ALLOYS	Tool Steel	Copper	JIS G 1253
142	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	JIS G 1253
143	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	JIS G 1253
144	CHEMICAL- METALS & ALLOYS	Tool Steel	Nickel	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 10 of 41

Validity 21/07/2026 to 28/11/2029 **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
145	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus	JIS G 1253
146	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	JIS G 1253
147	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	JIS G 1253
148	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	JIS G 1253
149	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	JIS G 1253
150	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	0.2 % Proof Stress	ASTM B557
151	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Elongation %	ASTM B557
152	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Tensile Strength (UTS)	ASTM B557
153	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Yield Strength	ASTM B557
154	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	% Reduction in area	ASTM B557
155	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	% Reduction in area	ASTM E8/E8M

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 11 of 41

Validity 21/07/2026 to 28/11/2029 **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
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	% Reduction in area	ISO 6892 (Part 1)
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	0.2 % Proof Stress	ASTM E8/E8M
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	0.2% proof stress	ISO 6892 (Part 1)
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Elongation %	ASTM E8/E8M
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Elongation %	ISO 6892 (Part 1)
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Tensile strength (UTS)	ASTM E8/E8M
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Tensile Strength (UTS)	ISO 6892 (Part 1)
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Yield strength	ASTM E8/E8M
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Yield Strength	ISO 6892 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 12 of 41

Validity 21/07/2026 to 28/11/2029 **Last Amended on** -

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165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cladded Steel	Shear Test	ASME Sec Part II A (SA 263)
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cladded Steel Plate	Shear Test	ASTM A 264
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cladded Steel Plate	Shear Test	ASME SA 264
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cladded Steel Plate	Shear Test	ASME SEC Part II A-SA 265
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cladded Steel Plate	Shear Test	ASTM A 263
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cladded Steel Plate	Shear Test	ASTM A 265
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Elastic Rail Clip	Application/Deflection Test	IRS T-31
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Elastic Rail Clip	Flat Bearing Area	IRS T-31
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Elastic Rail Clip	Toe Load Test	IRS T-31

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 13 of 41

Validity 21/07/2026 to 28/11/2029 **Last Amended on** -

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174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fastener / Bolt	Tensile load for full size bolt	ISO 898(Part-1)
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fastener / Bolt	Ultimate Tensile load for full size bolt	ASTM F606/F606M
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fastener / Bolt	Ultimate Tensile load for full size bolt	IS 1367 (Part 3) Clause 9.2
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fastener / Bolt	Ultimate Tensile load for full size bolt	ISO 898-1
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners / Nut	Proof Load Test	IS1367 (Part 6) Clause 9.1
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners / Bolt	Proof load Test	ASTM F606/F606M
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners / Bolt	Proof load Test	IS 1367 (Part 3) Clause 9.6
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners / Bolt	Shear Strength	IS 12427
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners / Bolt	Single Shear Test	ASTM F606/F606M

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 14 of 41

Validity 21/07/2026 to 28/11/2029 **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
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners / Bolt	Ultimate Tensile load for Full size Bolt	ASTM 370
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners / Bolts	Ultimate Tensile load under Wedge loading	IS 1367 (Part 3) Clause 9.1
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners / Nut	Proof Load Test	ASTM 370
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners /Bolts	Proof Load Test	ASTM A370
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners/ Bolt	Ultimate Tensile Load under Wedge load	ASTM F606/606M
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners/Bolt	Proof Load Test	ISO 898(Part1)
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners/Nut	Proof Load Test	ASTM F606/F606M
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners/Nut	Proof Load Test	ISO 898 (Part -2)
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material,alloys & products	Crush Test	ASTM A370

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 15 of 41

Validity 21/07/2026 to 28/11/2029 **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
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material,alloys & products	Flattening Test	ASTM A 370
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material,alloys & products	Micro Vickers Hardness Test (HV-1Kg)	ASTM E 384
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material,alloys & products	Micro Vickers Hardness Test (HV-300 gm)	IS 1501 (Part 1)
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material,alloys & products	Rockwell Hardness HRC	ISO 6508 (Part 1)
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material,alloys & products	Vickers Hardness Test (HV-30Kg)	ASTM E92
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials ,alloys & products	Yield Strength	BS EN 10002-1
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Re- Bend Test	IS 1786
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Reduction in area	ASTM A370
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Reduction in area	ASTM E8/E8M

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 16 of 41

Validity 21/07/2026 to 28/11/2029 **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
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Reduction in area	IS 1608 part1
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Reduction in area	ISO 6892 (Part 1)
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2 % Proof Stress	IS 1608 part1
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2 % Proof Stress	ISO 6892 (Part 1)
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% proof stress	ASTM E8/E8M
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	ASTM E 290
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	IS 1599
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	ISO 7438
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness 10/3000	IS 1500 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 17 of 41

Validity 21/07/2026 to 28/11/2029 **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
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness 10/3000	ISO 6506 (Part 1)
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness 5/750	Is 1500 (Part 1)
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness 5/750	ISO 6506 (Part 1)
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact test "V" notch (ambient to -60 degree C)	ISO 148 (Part-1)
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation %	ASTM A370
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation %	ASTM E8/E8M
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation %	IS 1608 part1
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation %	ISO 6892 (Part 1)
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flattening test (Steel pipes & tubes)	IS 2328

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 18 of 41

Validity 21/07/2026 to 28/11/2029 **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
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flattening test (Steel pipes & tubes)	ISO 8492
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Mass of Zinc Coating	IS 6745
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Maximum Load	IS 1608 (Part-1)
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction in Area	ASTM A 770
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness HRC	IS 1586 (Part 1)
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness HRA	IS 1586 (Part 1)
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness HRA	ISO 6508 (Part 1)
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness HRBW	IS 1586 (Part 1)
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness HRBW	ISO 6508 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 19 of 41

Validity 21/07/2026 to 28/11/2029 **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
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Strength (UTS)	ASTM E 8/E8M
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile strength (UTS)	IS 1608 part1
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile strength (UTS)	ISO 6892 (Part 1)
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Thickness of Coating (By Microscopic method)	IS 3203
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers Hardness Test (HV -10Kg)	ASTM E384
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers Hardness Test (HV 30Kg)	ASTM E 384
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers Hardness Test (HV-30Kg)	ISO 6507(Part -1)
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	ASTM A370
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	ASTM E 8/E8M

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 20 of 41

Validity 21/07/2026 to 28/11/2029 **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
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield strength	IS 1608 part1
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	ISO 6892 (Part 1)
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloy & products	0.2% proof stress	ASTM A 370
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloy & products	Micro Vickers Hardness Test (HV-1Kg)	ISO 6507 (Part-1)
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloy & products	Reduction in Area	BS EN 10002-1
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloy & products	Vickers Hardness Test (HV-30Kg)	IS 1501(Part-1)
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	% Elongation	BS EN 10002-1
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Bend Test	ASTM 370
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Case Depth (By Hardness Method)	IS 6416

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 21 of 41

Validity 21/07/2026 to 28/11/2029 **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
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Coating Thickness (By Elcometer)	ASTM B499
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Compression Load Test	BS EN 14399-9
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Double Shear strength	IS 5242
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Load Test	IS 7906 (Part -8)
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Micro Vickers Hardness Test (300 gm)	ISO 6507 (Part 1)
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Micro Vickers Hardness Test (HV-1Kg)	IS 1501 (Part 1)
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Micro Vickers Hardness Test (HV-300gm)	ASTM E 384
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Tensile Strength	BS EN 10002-1
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Tensile strength (UTS)	ASTM A370

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 22 of 41

Validity 21/07/2026 to 28/11/2029 **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
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Vickers Hardness Test (HV-10Kg)	ASTM E92
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Vickers Hardness Test (HV-10Kg)	IS 1501 (Part-1)
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & products	Vickers Hardness Test (HV-10Kg)	ISO 6507(Part-1)
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metal & alloys	Charpy Impact test "V" notch (ambient to -60 degree C)	IS 1757 (Part 1)
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Beam,Column,Channel,Angle)	Mass Per meter	IS 808
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non -Ferrous metals,alloys & products	Micro Vickers Hardness Test (HV-1Kg)	ASTM 384
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other non Ferrous metals,alloys & products	Thickness of Coating (By Microscopic Method)	IS 3203
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non- Ferrous metals, alloys & products	0.2 % Proof Stress	IS 1608 part1
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non- Ferrous metals,alloys & products	0.2 % Proof Stress	ISO 6892 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 23 of 41

Validity 21/07/2026 to 28/11/2029 **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
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non- Ferrous metals,alloys & products	Vickers Hradness Test (10Kg)	ASTM E 384
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Brinell Hardness 10/3000	IS 1500 (Part 1)
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metal,alloy & products	Elongation %	ASTM E8/E8M
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metal,alloys & products	Yield Strength	ISO 6892 (Part 1)
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	% Reduction in area	IS 1608 part1
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Brinell Hardness 10/3000	ISO 6506 (Part 1)
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Brinell hardness 5/750	IS 1500 (Part 1)
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Brinell Hardness 5/750	ISO 6506 (Part 1)
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Elongation %	IS 1608 part1

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 24 of 41

Validity 21/07/2026 to 28/11/2029 **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
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Micro Vickers Hardness Test (HV-1Kg)	ISO 6507(Part -1)
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Rockwell Hardness HRBW	IS 1586 (Part 1)
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Rockwell Hardness HRBW	ISO 6508 (Part 1)
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Tensile strength (UTS)	IS 1608 part1
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Vickers Hardness Test (HV- 30Kg)	IS 1501 (Part -1)
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Vickers Hardness Test (HV-10Kg)	ASTM E92
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Yield Strength	IS 1608 part1
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloy & products	Tensile Strength (UTS)	ASTM E8/E8M
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	% Reduction in area	ASTM E8/E8M

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 25 of 41

Validity 21/07/2026 to 28/11/2029 **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
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	% Reduction in area	ISO 6892 (Part 1)
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	0.2 % Proof Stress	ASTM E8/E8M
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	Elongation %	ISO 6892 (Part 1)
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	Micro Vickers Hardness Test (HV -300gm)	ASTM 384
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	Micro Vickers Hardness Test (HV-1Kg)	IS 1501 (Part 1)
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	Micro Vickers Hardness Test (HV-300 gm)	ISO 6507 (Part-1)
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	Micro Vickers Hardness Test (HV-300gm)	IS 1501(Part-1)
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	Tensile Strength (UTS)	ISO 6892 (Part 1)
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	Thickness of Coating (By Microscopic Method)	ASTM B 487

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 26 of 41

Validity 21/07/2026 to 28/11/2029 **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
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	Vickers Hardness Test (HV-10Kg)	ISO 6507 (Part-1)
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	Vickers Hardness Test (HV-30Kg)	ISO 6507 (Part -1)
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	Vickers Hardness Test (HV-10Kg)	IS 1501(Part 1)
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	Vickers Hardness Test (HV-30Kg)	ASTM E92
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals,alloys & products	Yield Strength	ASTM E8/E8M
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe / Tube	Crush Test	IS 3601
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Bars	Mass per meter	IS 1786
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Couplers for Mechanical Splices of Bars in Concrete	Total % Elongation at maximum Force	IS 16172
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Couplers for Mechanical Splices of Bars in Concrete	Ultimate Tensile Strength (UTS)	IS 16172

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 27 of 41

Validity 21/07/2026 to 28/11/2029 **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
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Bend Test	IS 1599
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Re-bend Test	ISO 15630-1
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Total % Elongation at maximum Force	IS 1608
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spring Test	Spring Load Test	ASTM A125
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spring Washer	Permanent Load Test	IS 3063
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spring Washer	Permanent Set Test	IS 3063
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spring Washer	Twist Test	IS 3063
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & welded test specimen	Charpy Impact test "v" notch	IS 3600 (Part -2)
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & welded test specimens	Bend Test	API 1104

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 28 of 41

Validity 21/07/2026 to 28/11/2029 **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
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld and welded test specimens	Longitudinal Tensile Test	ISO 5178
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded test specimens	Fracture test	ASME BPVC IX
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & weld test specimens	Fracture Test	ISO 9017
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded specimens	Bend (Face)	API 1104
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test Specimen	Bend Test (Root)	API 1104
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	0.2 % Proof Stress	ASME BPVC Sec II-C
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welds & welded test specimens	0.2 % Proof stress	AWS B 4.0
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	All Weld Tensile Strength	ASME BPVC Sec II-C
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	All weld Tensile Strength	IS 7307 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 29 of 41

Validity 21/07/2026 to 28/11/2029 **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
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test	ASME BPVC IX
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test	ASTM E 190
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test	AWS B4.0
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test	BS EN ISO 5173
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test	BSEN ISO 15614-1
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test	IS 3600 (Part 5)
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test	IS 3600 (Part 7)
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test (Side/Root/Face)	IS 2825
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test (Root/ Face/Side)	IS 7310 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 30 of 41

Validity 21/07/2026 to 28/11/2029 **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
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test (Root/Face/Side)	ISO 9606-1
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend Test (Side)	API 1104
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test Specimens	Charpy Impact test V Notch (Ambient to -60 Degree C)	BS EN ISO 9016
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Elongation %	AWS B 4.0
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Face Bend Test	AWS D1.1/ D 1.1 M
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded Test Specimens	Face Bend Test	AWS D1.6
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Fillet weld Fracture Test	API 1104
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Fillet Weld Fracture test	IS 7307 (Part-1)
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Fillet Weld Fracture Test	IS 7310 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 31 of 41

Validity 21/07/2026 to 28/11/2029 **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
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Fillet Weld Fracture Test	ISO 9606-1
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Fracture Test	AWS D 1.1 /D 1.1 M
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Fracture Test	AWS D1.6
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Nick Break	API 1104 (Cl.5.6.3)
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Nick break test and fillet weld fracture test	IS 3600 (Part 8)
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welds & welded test specimens	Nick break test and fillet weld fracture test	IS 2825
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Root Bend Test	AWS D 1.1 / D 1.1 M
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Root Bend Test	AWS D1.6
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Side Bend Test	AWS D 1.6

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 32 of 41

Validity 21/07/2026 to 28/11/2029 **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
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Side Bend Test	AWS D1.1/ D1.1 M
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Tensile Strength	API 1104
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Tensile Strength (UTS)	ASME BPVC IX
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welds & welded test specimens	Tensile Strength (UTS)	AWS B 4.0
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Tensile Strength (UTS)	AWS D 1.1/D1.1 M
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Tensile Strength (UTS)	AWS D1.6
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded test specimens	Tensile Strength (UTS)	IS 2825
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Tensile Strength (UTS)	IS 3600 (Part 4)
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Tensile Strength (UTS)	ISO 15614-1

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 33 of 41

Validity 21/07/2026 to 28/11/2029 **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
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Transverse Tensile Strength	IS 7307 (Part-1)
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Transverse Tensile Strength (UTS)	IS 3600 (Part 3)
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Transverse Tensile Strength (UTS)	ISO 4136
357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Vickers Hardness Test (HV- 10Kg)	ISO 9015 (Part 1)
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Vickers Hardness Test (HV-30Kg)	ISO 9015 (Part-1)
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Weld Elongation %	ASME BPVC Sec II -C
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Strength	ASME BPVC Sec II -C
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welds & welded test specimens	Yield Strength	AWS B 4.0
362	MECHANICAL-METALLOGRAPHY TEST	Aluminium materials, alloys & products	Macro structural analysis	IS 12573

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 34 of 41

Validity 21/07/2026 to 28/11/2029 **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
363	MECHANICAL-METALLOGRAPHY TEST	Aluminium materials, alloys & products	Micro structural analysis	ASM metal handbook vol. 9
364	MECHANICAL-METALLOGRAPHY TEST	Cast Iron & Products	Type, size and distribution of graphite flakes & nodules	IS 7754
365	MECHANICAL-METALLOGRAPHY TEST	Copper material, alloys & products	Micro structural analysis	ASM metal handbook vol. 9
366	MECHANICAL-METALLOGRAPHY TEST	Copper materials, alloys & products	Macro Examination	IS 13484
367	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & product	Macro Examination	BS EN ISO 17639
368	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Case depth measurement by Macroscopic method	IS 6416
369	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Case Depth measurement by microscopic method	IS 6416
370	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimating depth of Complete Decarburization by microscopic method	ASTM E 1077 (01)
371	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimating depth of Complete Decarburization by microscopic method	IS 6396
372	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimating depth of partial decarburization by microscopic method	IS 6396
373	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimating Partial depth of Decarburization by Microscopic method	ASTM E 1077 (01)
374	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimation of grain size by comparison method	ASTM E 112

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 35 of 41

Validity 21/07/2026 to 28/11/2029 **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
375	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimation of grain size by comparison method	IS 4748
376	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimation of Grain size by comparison method	ISO 643
377	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Inclusion rating A to D by microscopic method	ASTM E 45 (Method A)
378	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Inclusion rating A to D by microscopic method	IS 4163
379	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Inclusion rating A to D by microscopic method	ISO 4967
380	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Macro structural Analysis	ASTM E 340
381	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Macro structural Analysis	ASTM E 381
382	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Macro structural analysis	IS 11371
383	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro structural analysis	ASM Metal handbook Vol. 9
384	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys & products	Thickness of Coating (Microscopic Method)	ASTM B487
385	MECHANICAL-METALLOGRAPHY TEST	Non-Ferrous Metals & Alloys	Macro Examination	BS EN ISO 17639
386	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Macro Examination	AWS D1.1/D1.1 M

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 36 of 41

Validity 21/07/2026 to 28/11/2029 **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
387	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Macro Examination	IS 2825
388	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Macro Examination	IS 7307 (Part-1)
389	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Macro Examination	IS 7310 (Part-1)
390	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Macro structural analysis	ASME BPVC IX
391	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Macro Structural Analysis	IS 3600 (Part 9)
392	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Macroetch Test	API 1104
393	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Microstructure Analysis	IS 3600 (Part 9)
394	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic material & products	Charpy Impact Strength	ASTM D 6110
395	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic material & products	Hardness (Shore D)	ASTM D 2240
396	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic material & products	Izod Impact Strength	ASTM D 256
397	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	% Ash Content	ASTM D 5630 (Method B)
398	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	% Ash Content	ISO 3451-1 (Method A)

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 37 of 41

Validity 21/07/2026 to 28/11/2029 **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
399	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	% Elongation at Break	ASTM D 638
400	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	% Elongation at Break	ISO 527-1
401	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	% Elongation at Break	ISO 527-2
402	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	% Elongation at Yield	ASTM D 638
403	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	% Elongation at Yield	ISO 527-1
404	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	% Elongation at Yield	ISO 527-2
405	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	% Moisture Content	ASTM D 6980
406	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Charpy Impact Strength	ISO 179-1
407	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Density	ASTM D 792 (Method A & B)
408	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Density	ISO 1183-1 (Method A)
409	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Flexural Modulus	ASTM D 790
410	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Flexural Modulus	ISO 178

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 38 of 41

Validity 21/07/2026 to 28/11/2029 **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
411	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Flexural Strength	ASTM D 790
412	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Flexural Strength	ISO 178
413	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Hardness (Shore D)	ISO 868
414	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Heat Deflection Temperature	ASTM D 648
415	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Heat Deflection Temperature	ISO 75-1
416	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Heat Deflection Temperature	ISO 75-2
417	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Izod Impact Strength	ISO 180
418	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Melt Flow Rate (MFR)	ASTM D 1238
419	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Melt Flow Rate (MFR)	ISO 1133-1
420	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Specific Gravity	ASTM D 792 (Method A & B)
421	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Specific Gravity	ISO 1183-1 (Method A)
422	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Modulus	ASTM D 638

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 39 of 41

Validity 21/07/2026 to 28/11/2029 **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
423	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Modulus	ISO 527-1
424	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Modulus	ISO 527-2
425	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Strength at Break	ASTM D 638
426	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Strength at Break	ISO 527-1
427	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Strength at Break	ISO 527-2
428	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Strength at Yield	ASTM D 638
429	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Strength at Yield	ISO 527-1
430	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Strength at yield	ISO 527-2
431	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Vicat Softening Temperature	ASTM D 1525
432	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Vicat Softening Temperature	ISO 306
433	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Water Absorption	ASTM D 570 (At Room Temperature only)
434	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Water Absorption	ISO 62 (At Room Temperature only)

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 40 of 41

Validity 21/07/2026 to 28/11/2029 **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
435	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Natural rubber & products	% Filler / Ash Content	IS 3400 -Part 22, (Sect.A-8)
436	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Natural rubber & products	% Elongation at Break	ASTM D 412 (Method A)
437	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Natural rubber & products	% Elongation at Break	IS 3400 (Part-1)
438	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Natural rubber & products	Accelerated Ageing Test (Tensile Strength)	IS 3400 (Part-4)
439	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Natural rubber & products	Accelerated Ageing Test (% Elongation)	IS 3400 (Part-4)
440	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Natural rubber & products	Accelerated Ageing Test (Hardness)	IS 3400 (Part-4)
441	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Natural rubber & products	Compression set at constant strain	ASTM D 395
442	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Natural rubber & products	Compression set at constant strain	IS 3400 - Part 10 (Sec-1)
443	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Natural rubber & products	Density	IS 3400- Part 9 (Method A)
444	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Natural rubber & products	Hardness (Shore A)	IS 3400 (Part -23)
445	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Natural rubber & products	Tensile Strength	ASTM D 412 (Method A)
446	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Natural rubber & products	Tensile Strength	IS 3400 (Part1)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PARTH METALLURGICAL SERVICES PRIVATE LIMITED, B-15/16, MIDC, HINGNA ROAD, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5451 **Page No** 41 of 41

Validity 21/07/2026 to 28/11/2029 **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
447	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Synthetic rubber & products	% Elongation at Break	ASTM D 412 (Method A)
448	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Synthetic rubber & products	% Elongation at Break	IS 3400 (Part-1)
449	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Synthetic rubber & products	% Filler/ Ash Content	IS 3400-Part 22 (Sec A8)
450	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Synthetic Rubber & products	Accelerated Ageing Test (% Elongation)	IS 3400 (Part-4)
451	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Synthetic rubber & products	Accelerated ageing Test (Hardness)	IS 3400 (Part-4)
452	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Synthetic rubber & products	Accelerated Ageing Test (Tensile Strength)	IS 3400 (Part-4)
453	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Synthetic rubber & products	Compression set at constant strain	ASTM D 395
454	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Synthetic rubber & products	Compression Set at constant strain	IS 3400 part-10 (Sec-1)
455	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Synthetic rubber & products	Density	IS 3400 -Part 9 (Method A)
456	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Synthetic rubber & products	Hardness (Shore A)	IS 3400(Part-23)
457	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Synthetic rubber & products	Tensile Strength	IS 3400(Part1)
458	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Synthetic Rubbers & products	Tensile Strength	ASTM D 412 (Method A)