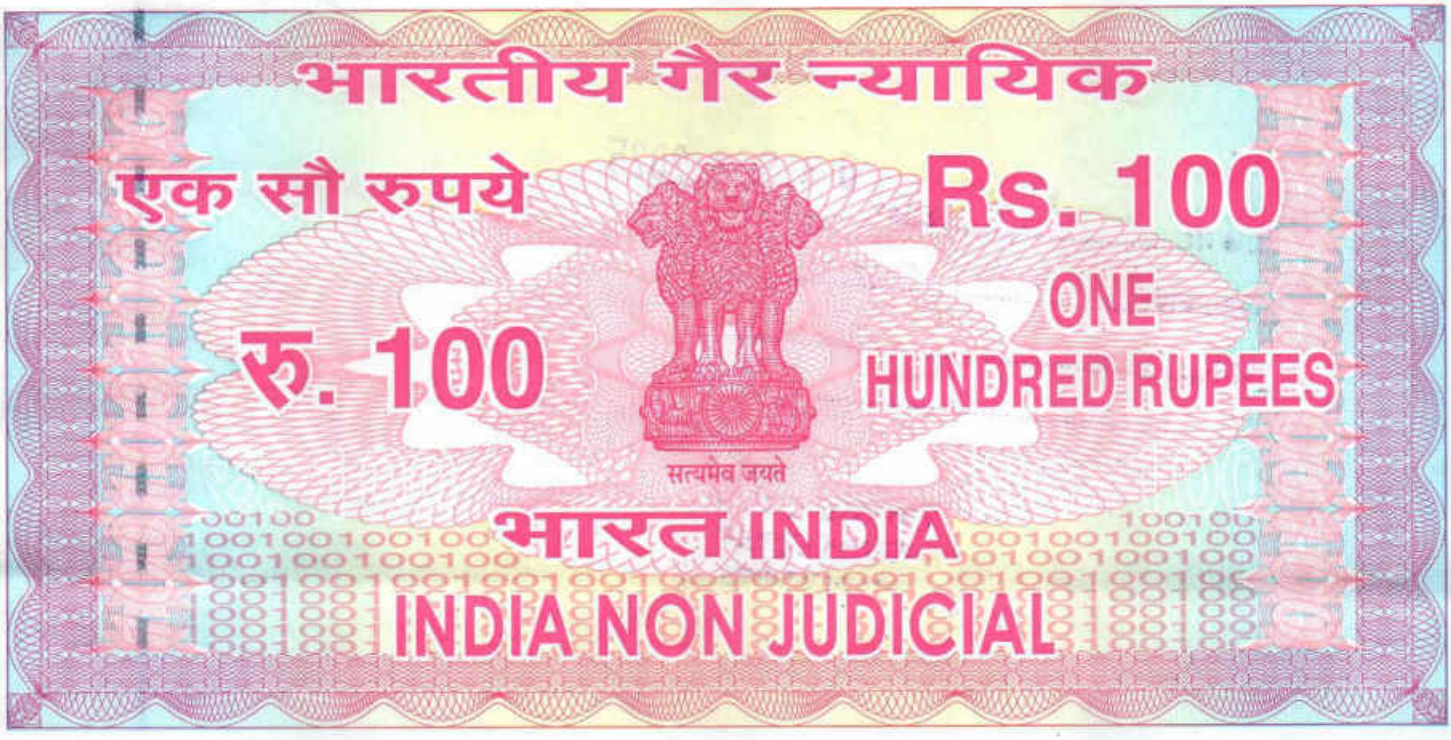

पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL AT 857054

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING (MOU) is made and executed at Cattack on 1st day of September, 2025

BETWEEN

M/s. Odisha Prefab Engineering Private Limited (Formerly known as Megha Papers Private Limited), a Company registered under the Companies Act, 1956, bearing CIN-U45100OR1991PTC002746, represented by its Director, Mr. Samarjeet Sahoo, and having its registered office situated at- Plot No. 1687 & 1688, Old Industrial Estate, Jagatpur, Cuttack- 754021, Odisha, India (hereinafter called as "OPEPL" which expression shall include its successors and permitted assigns)

----- (1st Party)

AND

M/s. P.P. Metallurgical Laboratory (OPC) Pvt. Ltd. Which is NABL approved laboratory, CIN- U71200WB2023OPC267169, represented by its Director, Mr. Pintu Mondal, and 221, Kali Temple Road, P.O.: Balitikuri, Howrah- 711113, West Bengal, India.

----- (2nd Party)

For ODISHA PREFAB ENGINEERING PRIVATE LIMITED

DIRECTOR

ক্রমিক নং 1313 তারিখ 04 SEP 2025

ক্রেতার নাম P.P Metallurgical Laboratory (OPC) Pvt Ltd

ঠিকানা Howrah

মূল্য 100/-

সৈকত মেউর
স্ট্যাম্প ভেন্ডার
হাওড়া আদালত

Date: 01.09.2025

MEMORANDUM OF UNDERSTANDING

This is hereby agreed with M/s. Odisha Prefab Engineering Private Limited, for the testing of Mechanical, Chemical, UT etc. for TPI projects, Railway, RDSO in all over India. In respect of testing materials will be conducted by P.P. Metallurgical Laboratory (OPC) Pvt. Ltd. Which is NABL approved as per specific requirement and facilities available by us.

Note-

1) All the documents credential, instruments list, testing of NABL scope, enclosed.

2) This agreement is based on the understanding that P.P. Laboratory will provide accurate test reports within 7 working days.

3) The validity of MOU shall be minimum 65 months at the time of agreement.

P.P. Metallurgical Laboratory (OPC) Private Limited

Director

For ODISHA PREFAB ENGINEERING PRIVATE LIMITED

DIRECTOR

P.P. Metallurgical Laboratory (OPC) Private Limited

Director

National Accreditation Board for Testing and Calibration Laboratories

NABL

CERTIFICATE OF ACCREDITATION

P. P. METALLURGICAL LABORATORY (OPC) 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

221 KALI TEMPLE ROAD, P.O.-BALTIKURI, HOWRAH, WEST BENGAL, INDIA

in the field of

TESTING

Certificate Number: TC-15552

Issue Date: 24/02/2025 Valid Until: 05/02/2029

This certificate supersedes the Certificate No. TC-15448 with issue date 06/02/2025 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 thislaboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED

Signed for and on behalf of NABL

Anuja Anand
Director

N. Venkateswaran
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-15552 **Page No** 1 of 20

Validity 24/02/2025 to 05/02/2029 **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- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Irons & Steel Articles	Adhesion Test	IS 2629
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Irons & Steel Articles	Mass Of Zinc Coating	IS 6745
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Irons & Steel Articles	Thickness Of Coating	IS 6012
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Irons & Steel Articles	Uniformity Of Coating	IS 2633
5	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Chromium	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Copper	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Copper	IS 504 (PART 3) CLAUSE 6
8	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Iron	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Iron	IS 504(PART 2) CLAUSE 6
10	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Lead	ASTM E1251

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-15552 **Page No** 2 of 20

Validity 24/02/2025 to 05/02/2029 **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
11	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Lead	IS 504 (PART 1) CLAUSE 8
12	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Magnesium	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Magnesium	IS 504 (PART 6 CLAUSE 5
14	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Manganese	ASTM E1251
15	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Manganese	IS 504(PART 5) CLAUSE 5
16	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Nickel	ASTM E1251
17	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Nickel	IS 504 (PART 7) CLAUSE 5
18	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Silicon	ASTM E1251
19	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Silicon	IS 504(PART 1) CLAUSE 7
20	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Titanium	ASTM E1251
21	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys Bars, Rods, Sections, Plates, Sheets, Strips, Drawn Tubes, Wires, Rivet Stocks	Zinc	ASTM E1251
22	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Chromium	IS 12308 (PART 8)

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-15552 **Page No** 3 of 20

Validity 24/02/2025 to 05/02/2029 **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
23	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Nickel	IS 12308 (PART 7)
24	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Phosphorus	IS 12308 (PART 5)
25	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Silicon	IS 12308 (PART 6)
26	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Sulphur	IS 12308 (PART 2)
27	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Total Carbon	IS 12308 (PART 11)
28	CHEMICAL- METALS & ALLOYS	Cast Iron and Pig Iron	Manganese	IS 12308 (PART 10)
29	CHEMICAL- METALS & ALLOYS	Copper & Copper Base Alloys	Copper	IS 3187 CLAUSE 4
30	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Copper	IS 3685 CLAUSE 5
31	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Copper	IS 4027 (PART 1) CLAUSE 4
32	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Copper	IS 440 CLAUSE 4
33	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Copper	IS 7212 CLAUSE 5
34	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Iron	IS 3187 CLAUSE 6
35	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Iron	IS 3685 CLAUSE 10.3
36	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Iron	IS 4027(PART 8) CLAUSE 5
37	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Iron	IS 440 CLAUSE 8.3
38	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Lead	IS 3187 CLAUSE 4

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-15552 **Page No** 4 of 20

Validity 24/02/2025 to 05/02/2029 **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
39	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Lead	IS 3685 CLAUSE 5
40	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Lead	IS 4027 (PART-1) CLAUSE 4
41	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Manganese	IS 3187 CLAUSE 7
42	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Nickel	IS 3187 CLAUSE 5
43	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Nickel	IS 3685 CLAUSE 9
44	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Nickel	IS 440 CLAUSE 10
45	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Phosphorus	IS 3685 CLAUSE 8
46	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Phosphorus	IS 4027 (PART 3) CLAUSE 4
47	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Phosphorus	IS 440 CLAUSE 15
48	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Silicon	IS 3685 CLAUSE 11
49	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Silicon	IS 4027 (PART 10)
50	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Tin	IS 3685 CLAUSE 6
51	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Tin	IS 4027(PART 5) CLAUSE 5
52	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Tin	IS 440 CLAUSE 14
53	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Zinc	IS 3187 CLAUSE 8
54	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Zinc	IS 3685 CLAUSE 13

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 24/02/2025 to 05/02/2029 **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
55	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys Sheets, Strips, Foil, Bolt, Stud, Screw	Zinc	IS 4027 (PART 6)
56	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Aluminium	IS 8811
57	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Carbon	IS 228 (PART 1)
58	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Carbon	IS 8811
59	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Chromium	IS 228 (PART 6)
60	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Chromium	IS 8811
61	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Copper	IS 8811
62	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Manganese	IS 228 (PART 2)
63	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Manganese	IS 8811
64	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Molybdenum	IS 8811
65	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Nickel	IS 228 (PART 5)
66	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Nickel	IS 8811
67	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Nitrogen	IS :228(PART 23)
68	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Phosphorus	IS 228 (PART 3)
69	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Phosphorus	IS 8811
70	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Silicon	IS 228 (PART 8)

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 24/02/2025 to 05/02/2029 **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
71	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Silicon	IS 8811
72	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Sulphur	IS 228 (PART 9)
73	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Sulphur	IS 8811
74	CHEMICAL- METALS & ALLOYS	Plain carbon and low alloy steels	Vanadium	IS 8811
75	CHEMICAL- METALS & ALLOYS	Stainless Steels	Carbon	IS 228 (PART 1)
76	CHEMICAL- METALS & ALLOYS	Stainless Steels	Carbon	IS 9879
77	CHEMICAL- METALS & ALLOYS	Stainless Steels	Chromium	IS 228 (PART 6)
78	CHEMICAL- METALS & ALLOYS	Stainless Steels	Chromium	IS 9879
79	CHEMICAL- METALS & ALLOYS	Stainless Steels	Copper	IS 228 (PART 15)
80	CHEMICAL- METALS & ALLOYS	Stainless Steels	Copper	IS 9879
81	CHEMICAL- METALS & ALLOYS	Stainless Steels	Manganese	IS 228 (PART 2)
82	CHEMICAL- METALS & ALLOYS	Stainless Steels	Manganese	IS 9879
83	CHEMICAL- METALS & ALLOYS	Stainless Steels	Molybdenum	IS 228 (PART 7)
84	CHEMICAL- METALS & ALLOYS	Stainless Steels	Molybdenum	IS 9879
85	CHEMICAL- METALS & ALLOYS	Stainless Steels	Nickel	IS 228 (PART 5)
86	CHEMICAL- METALS & ALLOYS	Stainless Steels	Nickel	IS 9879

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 24/02/2025 to 05/02/2029 **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
87	CHEMICAL- METALS & ALLOYS	Stainless Steels	Phosphorus	IS 228 (PART 3)
88	CHEMICAL- METALS & ALLOYS	Stainless Steels	Phosphorus	IS 9879
89	CHEMICAL- METALS & ALLOYS	Stainless Steels	Silicon	IS 228 (PART 8)
90	CHEMICAL- METALS & ALLOYS	Stainless Steels	Silicon	IS 9879
91	CHEMICAL- METALS & ALLOYS	Stainless Steels	Sulphur	IS 228(PART 9)
92	CHEMICAL- METALS & ALLOYS	Stainless Steels	Sulphur	IS 9879
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys and Stainless Steel Bolt	Proof Load Test	ASTM A193/A193M
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys Metallic Tubes	Flattening Test	IS 2328
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Beam, Column, Channel and Angle Sections	Verification of Dimension (Width)	IS 808
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Boiler and Pressure Vessel	Side Bend /Root Bend/Face Bend	ASME Sec-IX
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel and Alloy Steel Bolts, Studs, Screws	% Elongation	IS 1367 (PART 3)
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel and Alloy Steel Bolts, Studs, Screws	Head Soundness	IS 1367 (PART 3)

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 24/02/2025 to 05/02/2029 **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
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel and Alloy Steel Bolts, Studs, Screws	Proof load Test	IS 1367 (PART 3)
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel and Alloy Steel Bolts, Studs, Screws	Tensile Strength	IS 1367(PART 3)
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel and Alloy Steel Bolts, Studs, Screws	Wedge Loading Tensile Test	IS 1367 (PART 3)
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel and Alloy Steel Bolts, Studs, Screws	Yield Stress	IS 1367(PART 3)
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Cast Billet, Ingots, Billets, Blooms and Slabs	Verification of Dimension (crossection (125 x 125) mm)	IS 2831
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Cast Billet, Ingots, Billets, Blooms and Slabs	Verification of Dimension (Length)	IS 2830
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Cast Billet, Ingots, Billets, Blooms and Slabs	Verification of Dimension (Length)	IS 2831
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Cast Billet, Ingots, Billets, Blooms and Slabs	Verification of Dimensions [crossection (125 x 125) mm]	IS 2830
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Welded and Seamless Tubes	Mass per Meter	IS 3601

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 24/02/2025 to 05/02/2029 **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
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Welded and Seamless Tubes	Macro Examination	IS 3601
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Welded and Seamless Tubes	Verification of Dimension (Diameter)	IS 3601
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Welded and Seamless Tubes	Verification of Dimension (Thickness)	IS 3601
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel Nuts	Proof Load Test	ASTM A194/A194M
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Eye Bolts with Collars	Proof Load Test	IS 4190
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Eye Hooks for Use with Chains	Proof Load Test	IS 3822
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys Boiler and Pressure Vessel	Fillet Fracture	ASTM A370
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys Boiler and Pressure Vessel	Macro Examination	ASTM E340
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys Boiler and Pressure Vessel	Nick Break Test	ASTM A370

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-15552 **Page No** 10 of 20

Validity 24/02/2025 to 05/02/2029 **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
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys Metallic Tubes	Drift Expansion Test	IS 2335
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Welding of Steel	Fillet Fracture	IS 7310 (PART 1)
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Welding of Steel	Macro Examination	IS 7310 (PART 1)
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Welding of Steel	Nick Break Test	IS 7310 (PART 1)
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Welding of Steel	Side Bend /Root Bend/Face Bend	IS 7310 (PART-1)
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires for concrete reinforcement	Bend Test	IS 1599
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires for concrete reinforcement	Mass per meter	IS 1786
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires for concrete reinforcement	Re-Bend Test	IS 1786
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Steel Sections	Macro Examination	IS 4923

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-15552 **Page No** 11 of 20

Validity 24/02/2025 to 05/02/2029 **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
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Steel Sections	Mass per Meter	IS 4923
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Steel Sections	Verification of Dimension (Area of Cross Section)	IS 4923
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Steel Sections	Verification of Dimension (Thickness)	IS 4923
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Steel Sections	Verification of Dimension (Weight per meter)	IS 4923
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Steel Sections	Verification of Dimension (Width)	IS 4923
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel Beam, Column, Channel and Angle Sections	Mass per meter	IS 808
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel Products	Mass per meter	IS 1852
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel Products	Verification of Dimension (Thickness)	IS 1852
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel Products	Verification of Dimension (Width)	IS 1852

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

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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
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel Products	Verification of Dimensions (Length)	IS 1852
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	%Elongation	IS 1608 (PART 1)
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	%Elongation	ISO 6892 (PART 1)
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	%Reduction in Area	IS 1608 (PART 1)
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	%Reduction in Area	ISO 6892 (Part 1)
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof test	IS 1608 (PART 1)
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Test	ISO 6892 (Part 1)
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test (longitudinal & transverse)	IS 1599
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Breaking Load Test	IS 1608 (PART 1)

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

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Validity 24/02/2025 to 05/02/2029 **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
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test (10/1000)	IS 1500 (PART 1)
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Izod Impact test (V-Notch)[single, double, triple Notch] at Room Temperature	BS 131(PART 1)
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Izod Impact test (V-Notch)[single, double, triple Notch] from at Room Temperature	IS 1598
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	IS 1586 (PART 1)
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	IS 1586 (PART-1)
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile strength	IS 1608 (PART 1)
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile strength	ISO 6892 (PART 1)
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	IS 1608 (PART 1)
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	ISO 6892(PART 1)

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 24/02/2025 to 05/02/2029 **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
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Wire	Wrapping Test	IS 1755
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubes	Bend Test	IS 2329
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Wire	Torsion Test	IS 1717
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals and Alloys	Macro Examination	ASTM E340
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels and Alloy Steels	Brinell Hardness Test (10/3000)	ASTM A370
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels and Alloy Steels	Brinell Hardness Test (10/3000)	IS 1500 (PART 1)
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels and Alloy Steels	Brinell Hardness Test (5/750)	ASTM A370
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels and Alloy Steels	Brinell Hardness Test (5/750)	IS 1500 (Part-1)
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels and Alloy Steels	Rockwell Hardness Test	ASTM A370

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-15552 **Page No** 15 of 20

Validity 24/02/2025 to 05/02/2029 **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
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels, Alloy Steels	%Elongation	ASTM A370
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels, Alloy Steels	%Reduction in Area	ASTM A370
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels, Alloy Steels	0.2% Proof Test	ASTM A370
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels, Alloy Steels	Bend test (longitudinal & transverse)	ASTM A370
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels, Alloy Steels	Brinell Hardness Test (10/1000)	ASTM A370
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels, Alloy Steels	Rockwell Hardness Test	ASTM A370
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels, Alloy Steels	Tensile strength	ASTM A370
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels, Alloy Steels	Yield Stress	ASTM A370
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steels, Stainless Steels, Alloy Steels Nuts	Proof Load Test	ASTM A370

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 24/02/2025 to 05/02/2029 **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
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nuts	Proof Load Test	IS 1367 (PART 6)
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round Steel Short Link	Proof Load Test	IS 2429 (PART 1)
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Shear Strength of Metals	Shear Test	IS 5242
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Single Coil Rectangular Section Spring Lock Washers	Dimension Verification	IS 3063
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Single Coil Rectangular Section Spring Lock Washers	Permanent Load Test	IS 3063
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Single Coil Rectangular Section Spring Lock Washers	Permanent Set Test	IS 3063
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Single Coil Rectangular Section Spring Lock Washers	Twist Test	IS 3063
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Single Coil Rectangular Section Spring Lock Washers	Verification of Dimension (Breadth)	IS 3063
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Single Coil Rectangular Section Spring Lock Washers	Verification of Dimension (Diameter)	IS 3063

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 24/02/2025 to 05/02/2029 **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
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Split Pins	Ductility Test	IS 549
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Threaded Fasteners	Proof Load Test	IS 1367 (PART 14) Sec. 1, 2 & 3
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bars, Rounds and Squares	Mass per meter	IS 1732
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bars, Rounds and Squares	Verification of Dimension (Diameter)	IS 1732
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bars, Rounds and Squares	Verification of Dimension (Sectional Area)	IS 1732
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Beam, Column, Channel and Angle Sections	Verification of Dimension (Depth)	IS 808
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Beam, Column, Channel and Angle Sections	Verification of Dimension (Thickness)	IS 808
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipes	Verification of Dimension (Thickness)	IS 3589
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipes	Verification of Dimension (Thickness)	IS 3589

SCOPE OF ACCREDITATION

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Certificate Number TC-15552

Validity 24/02/2025 to 05/02/2029

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
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Sheets, Strips and Flats	Verification of Dimension (Length)	IS 1730
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Sheets, Strips and Flats	Verification of Dimension (Width)	IS 1730
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Macro Examination	IS 1161
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Macro examination	IS 9295
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Mass per Meter	IS 1161
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Mass per Meter	IS 9295
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Verification of Dimension (Area of Cross-Section)	IS 1161
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Verification of Dimension (Diameter)	IS 1161
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Verification of Dimension (Diameter)	IS 9295

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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
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Verification of Dimension (thickness)	IS 1161
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes, Tubulars and Other Steel Fittings	Verification of Dimension (Diameter)	IS 1239(PART 2)
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes, Tubulars and Other Steel Fittings	Verification of Dimension (Thickness)	IS 1239 (Part - 2)
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes, Tubulars and Other Wrought Steel Fittings	Mass per Meter	IS 1239 (PART 1)
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes, Tubulars and Other Wrought Steel Fittings	Verification of Dimension (Length)	IS 1239 (Part 1)
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Wire Ropes	Proof Load Test	IS 2266
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel, Plates, Sheets, Strips and Flats	Mass per meter	IS 1730
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Track Bolts & Nuts	Head Soundness Test	IRS T-23
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Track Bolts & Nuts	Proof Load test	IRS T-23

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : P. P. METALLURGICAL LABORATORY (OPC) PRIVATE LIMITED, 221 KALI TEMPLE ROAD, P.O.- BALTIKURI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Track Bolts & Nuts	Tensile Strength	IRS T23
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Unfired Pressure Vessels	Macro Examination	IS 2825
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Unfired Pressure Vessels	Nick Break Test	IS 2825
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Unfired Pressure Vessels	Side Bend /Root Bend/Face Bend	IS 2825

kens

Near Old Tahasil Office Kalimandir Road, Jharsuguda, Odisha-768202, Mob: 7606063260, Email: kensndt@gmail.com

MEMORANDUM OF UNDERSTANDING

Pursuant to agreement between **Odisha Prefeb Engineering PVT. Ltd.** and **M/S KENS**, wherein KENS, Jharsuguda, Odisha-768202 (testing agency) has agreed to carry out testing of material. The agreement is elaborated as follows: -

1. That shall **KENS**, wherein KENS, Jharsuguda, Odisha-768202 shall be doing the testing of the material and **NDT (Ultrasonic Testing by PAUT Machine, Radiography Testing by Gamma Ray & Dye Penetration Testing) as per the requirement of Odisha Prefeb Engineering Pvt. Ltd. Of Plot No.-1687 &1688, Old Industrial Estate, Jagatpur, Cuttack – 754021, Odisha** and in accordance to defined A WS/IS/ASME codes etc.

2. All test specimens required by, KENS, Jharsuguda, Odisha-768202 shall be supplied by **Odisha Prefeb Engineering Pvt. Ltd. Of Plot No.-1687 &1688, Old Industrial Estate, Jagatpur, Cuttack – 754021, Odisha**

3. After testing, Test Certificates shall be issued by **KENS, Jharsuguda, Odisha-768202** to **Odisha Prefeb Engineering Pvt. Ltd.**

4. All Material Testing Charges shall be borne by **Odisha Prefeb Engineering Pvt. Ltd.** as per mutually agreed rates.

5. **KENS**, wherein KENS, Jharsuguda, Odisha-768202 agree to follows strictly all legal and BARC requirement during Radiographic testing in **Odisha Prefeb Engineering Pvt. Ltd. Of Plot No.-1687 &1688, Old Industrial Estate, Jagatpur, Cuttack – 754021, Odisha**

6. This MOU is valid for the period of 66 months from the date of signing of this MOU.

S Pattanayak

KENS * ODISHA JHARSUGUDA

For ODISHA PREFAB ENGINEERING PRIVATE LIMITED

DIRECTOR

Authorized Signatory
Odisha Prefeb Engineering Pvt. Ltd.
Add:- Plot No.-1687 &1688, Old Industrial Estate, Jagatpur, Cuttack – 754021, Odisha

Authorized Signatory
KENS
Near Old Tehsil Office.Jharsuguda,, Odisha-768202,

BINDT THE BRITISH INSTITUTE OF NON-DESTRUCTIVE TESTING

UKAS 0030

RECORD OF PCN CERTIFICATION

Further information on the scope of certification available may be obtained from the Certification Services Department, British Institute of NDT, Midsummer House, Riverside Way, Bedford Road, Northampton NN1 5NX, United Kingdom.
E-mail: pcn.enquiries@bindt.org
Tel: +44 01604 438300

Valid only when signed on behalf of BINDT and incorporating stamp below.

DKGilbert

This document may be withdrawn or revoked in part or in total at any time.

PART 1 - HOLDER'S DETAILS

PCN NUMBER:
357719
ISSUE DATE:
21/11/2025
ISSUE NUMBER:
2

NAME & ADDRESS:
Priyanshu Rawat
Devipura, Muliya, Ramnagar
Nainital, PO- Chilkia, Uttarakhand
Nainital - Uttarakhand
244715
India

NORMAL SIGNATURE:

This part may be used by the employer to signify that the certificate holder is authorised to carry out NDT on behalf of the employing company.

COMPANY STAMP	SIGNATURE & NAME OF PERSON AUTHORISING	DATE

PRESSURE EQUIPMENT (SAFETY) REGULATIONS (PESR)

The Pressure Equipment (Safety) Regulations 2016 implemented Directive 2014/68/EU on pressure equipment and assemblies. The British Institute of Non-Destructive Testing is a Recognised Third-Party Organisation accredited by UKAS, under Pressure Equipment (Safety) Regulations 2016: Guidance (GB) which implement the provisions of Directive 2014/68/EU concerning pressure equipment. The scope of the appointment is for the approval of personnel to carry out Non-Destructive tests on permanent joints for pressure equipment in categories III and IV in accordance with section 22 of Schedule 2 to the Regulations. All PCN certification valid for the welding and pre & in-service inspection sectors satisfies the Pressure Equipment (Safety) Regulations 2016: Guidance (GB).

FOR NOTIFICATION OF PERMANENT CHANGE OF HOLDER'S ADDRESS OR EMAIL ADDRESS PLEASE REFER TO FORM PCN24/PSL18 AVAILABLE TO DOWNLOAD AT BINDT.ORG

- All PCN24 certification covers Pre & in-Service Inspection (including manufacturing)
- All PCN24 Level 2 certification includes written instruction writing.
- All PCN24 Level 3 certification includes procedure writing.

PART 2 - CERTIFICATION HELD (All certificates comply with EN ISO 9712:2022 unless otherwise stated)

CERTIFICATE NUMBER	ISSUE	LEVEL	METHOD	PRODUCT SECTOR	INDUSTRIAL SECTOR	SCOPE OF COMPETENCE (inc. TECHNIQUES/CATEGORIES)	ISSUED DATE	EXPIRY
OC25WUT2M3PUEA	1	2	UT	w	S	Manual Pulse Echo (Compression Wave & Shear Wave), Butt Welds in Plate (3.1), Butt Welds in Pipe (3.2)	29/10/2025	28/10/2030
OC25WUT-PA2UQBMWY	1	2	UT-PA	w	S	Phased Array Ultrasonics, Butt Welds in Plate (3.1), Butt Welds in Pipe (3.2)	13/11/2025	12/11/2030

PCN Record of Certification issue 2 dated 21/11/2025

Verification of current certification status is strongly encouraged [illegible] PCN Number or full name shown in Part 1

For ODISHA PREFAB ENGINEERING PRIVATE LIMITED

DIRECTOR

PART 3 - IMPORTANT INFORMATION ABOUT PCN CERTIFICATION

PCN certification is issued by the British Institute of NDT (BINDT); a limited company (Reg No. 969051) and a Charity (Reg No. 260223), accredited by the United Kingdom Accreditation Service (UKAS). UKAS is signatory to recognition agreements with other national accreditation bodies. All PCN certification held by the individual named in Part 1 overleaf is listed in Part 2, together with a date of expiry.

Where PCN are made aware of the certificate holders' electronic contact details the certificates are issued electronically. Where these details are not available to PCN, the certificates are issued in hard copy as the default option. Certification is re-issued upon each occasion when there is a change in the holder's certification details or name address. Certificates are only valid when bearing a photograph of the holder. Certificates must bear the issue signature of the holder and the same unique six-digit PCN certification number. They must also carry the signature and electronic stamp of the person validating the certificate on behalf of BINDT/PCN. Photocopies are unauthorized and should not be accepted. There are severe penalties for attempted forgery of certification.

Regrettably, attempts to forge PCN Certificates occasionally occur.
Verification of certification on-line at www.bindt.org/PCN is strongly encouraged

BINDT is accredited by UKAS as complying with European standard EN ISO 17024 (General criteria for certification bodies operating certification of personnel), and issues certificates satisfying the criteria of BS EN ISO 9712 (Non-Destructive Testing - Qualification and certification of personnel).

The qualification requirements of the PCN Scheme (visual acuity/colour perception, periods of training and experience, and examination) also satisfy the provisions of a number of other widely accepted national and international standards and guidelines. Employers may find it convenient to utilise the PCN examinations within their internal NDT personnel certification programs. Further guidance on any aspect of personnel or quality system certification may be obtained from the Certification Services Department of BINDT.

BINDT is a signatory to, and registered under, the Multilateral Mutual Recognition Agreements (MRA) of both the International Committee for Non-Destructive Testing (ICNDT) and the European Federation for Non-Destructive Testing (EFNDT). PCN certificates are recognised by all ICNDT & EFNDT MRA signatory bodies. Specific details of the MRA may be obtained from BINDT.

Certificates, which are issued following success in thoroughly searching examination conducted at authorised independent test centres, are valid for five years. PCN document PCN/24/CP16 details the requirement for level 1,2 and 3 renewal and recertification. This document is subject to periodic revision, and certificate holders are urged to ensure that they have the current version before applying for renewal or recertification.

Employer Responsibilities

BS EN ISO 9712 (2022) clause 5.8 clearly details and defines employer responsibilities in relation to certification issued in accordance with the Standard (PCN certification). Certification only remains valid providing those responsibilities continue to be met by the employer. In respect of certified NDT personnel under their control the employer is responsible for (as a minimum):

a) All that concerns the authorization to operate, i.e., providing job-specific training (if necessary).
b) Issuing written authorization to operate.
c) The results of NDT activities.
d) Ensuring that the annual vision requirements are met.
e) Maintaining documentary evidence confirming the continuous application of the NDT method in the relevant sector(s) without significant interruption: this action shall be done every 12 months as a minimum.
f) Ensuring that personnel hold valid certification relevant to their tasks within the organization.
g) Maintaining appropriate Personnel records.

For further information the employee should refer to BS EN ISO 9712 (2022) and PCN24/GEN

NOTES:

1. This version of the PCN certificate is the format adopted during the PCN25 review of the certification scheme. It will only be issued for new certification and recertifications as of January 2025. All previous PCN certificates remain valid until the time of expiry detailed thereon.
2. PCN certification can be verified on-line at www.bindt.org/PCN

PART 4 - KEY TO CODES USED TO DEFINE SCOPE OF CERTIFICATION

Industrial sectors

- **M**: Manufacturing
- **MM**: Marine
- **S**: Pre- and In-service testing, which includes manufacturing
- **R**: Railway
- **A**: Aerospace
- **RS**: Radiological Protection/Safety

Product Sectors

PCN24

- **asc**: Aerospace composites
- **asg**: Aerospace General (inc. welds, components, materials, structures & composites)
- **asm**: Aerospace materials & components
- **ass**: Aerospace structures
- **asw**: Aerospace welds
- **c**: Castings (ferrous and nonferrous materials)
- **cc**: Ceramic matrix composites
- **cmc**: Ceramic matrix composites
- **f**: Forgings (all types of forgings: ferrous and nonferrous materials)
- **frp**: Reinforced plastics, such as fibre-reinforced polymers
- **fwp**: Multi - Forgings & Wrought products
- **gen**: General sector/Multi sector (Welds/Castings/Forgings)
- **mmc**: Metal matrix composites
- **rai**: Rail Track
- **raw**: Railway axles welds
- **t**: Tubes and pipes (seamless, welded, ferrous and non-ferrous materials, including flat products for the manufacturing of welded pipes)
- **w**: Welds (all types of welds including soldering, for ferrous and non-ferrous materials)
- **wp**: wrought products except forgings (i.e. plates, bar, rods)

Legacy PCN

- **1**: Aerospace
- **2**: Pre & In Service
- **3**: Railway maintenance
- **4**: Castings
- **5**: Forgings and wrought products
- **6**: Components
- **7**: Tubes and pipe
- **8**: Rail-steel
- **16**: In-Service Inspection

Methods

PCN24

- **ARS**: Advanced Radiation Safety
- **AUT**: Automated Ultrasonic Testing
- **BRS**: Basic Radiation Safety
- **ET-ACFM**: Alternating Current Field Measurement
- **ET-EC**: Eddy Current Testing
- **ET-ECA**: Eddy Current Array Testing
- **ET-PEC**: Eddy Current Pulsed Eddy Current Testing
- **ET-RFT**: Eddy Current Remote Field Testing
- **MT**: Magnetic Particle Inspection
- **PT**: Penetrant Inspection
- **RI-D**: Radiographic Interpretation (Digital Images)
- **RT-CR**: Computed Radiographic Testing (Imaging Plates)
- **RT-DR**: Digital Radiographic Testing (Live Detector)
- **RT-F**: Radiographic Testing (Film)
- **RT-FD**: Radiographic Interpretation (Film & Digital Images)
- **RT-FI**: Radiographic Interpretation (Film)
- **UT**: Ultrasonic Testing
- **UT-ISI**: Ultrasonic In-Service Inspection
- **UT-PA**: Phased Array Ultrasonic Testing
- **UT-RAXH**: Ultrasonic – Rail Axles (Hollow)
- **UT-RAXS**: Ultrasonic – Rail Axles (Solid)
- **UT-RTR**: Ultrasonic – Rail Track Testing
- **UT-TOFD**: Time of Flight Diffraction
- **VT**: Visual Testing
- **WI**: Weld Inspection (PCN WI-01)

Legacy PCN

- **20**: Eddy Current
- **21**: Magnetic Particle Testing
- **22**: Liquid Penetrant Testing
- **23**: Visual Testing
- **24**: Ultrasonic Testing
- **25**: Radiography
- **26**: ACFM
- **27**: TOFD
- **28**: Phased Array
- **29**: Computed Radiographic Testing
- **30**: Digital Radiographic Testing
- **31**: Guided Wave
- **32**: Weld Inspection
- **33**: Radiography (mobile) Aero
- **34**: Radiographic Interpretn
- **35**: Computed Radiographic Interpretn
- **36**: Digital Radiographic Interpretn
- **37**: Phased Array Interpretation
- **38**: Basic Radiation Safety
- **39**: Radiation Protection
- **40**: Railway Axles
- **41**: Rail NDT(Mt)
- **42**: Rail UT Weld
- **48**: Thickness measurement & corrosion monitoring
- **49**: Advanced Radiation Safety

Scan the QR code to verify online

For ODISHA PREFAB ENGINEERING PRIVATE LIMITED

DIRECTOR

EU CERTIFICATE OF APPROVAL OF NDT PERSONNEL In accordance with the requirements of the Pressure Equipment Directive 2014/68/EU

TO WHOM IT MAY CONCERN:

LRQA Certification and Assurance Services Limited, a Recognised Third-party Organisation as described in the European Pressure Equipment Directive 2014/68/EU, Article 20, has approved the following NDT personnel to carry out the specified non-destructive tests of permanent joints for pressure equipment in categories III and IV (2014/68/EU, Annex I, section 3.1.3 refers) The approval is granted in accordance with the LRQA-CASL PD CEN / TR 15589 Route B Certification Scheme.

Recognised Certification Body: BINDT/PCN

Certification Body Address: Midsummer House Riverside Way Bedford Road Northampton NN1 5NX

(Accredited to ISO/IEC 17024:2012 to provide certification of persons against EN ISO 9712:2022)

Signed for and on behalf of LRQA-CASL

PCN Number 357719

NAME OF APPROVED PERSON	PCN NUMBER	PRODUCT SECTOR	METHOD	INDUSTRIAL SECTOR	LEVEL	CERTIFICATE NUMBER	ISSUED DATE	EXPIRY DATE
Priyanshu Rawat	357719	*welds (pcn24)*	Ultrasonic Testing	Pre & In-service testing which includes manufacturing	2	OC25WUT2M3PUEA	29/10/2025	28/10/2030
Priyanshu Rawat	357719	*welds (pcn24)*	Phased Array Ultrasonic Testing	Pre & In-service testing which includes manufacturing	2	OC25WUT-PA2UQBMWY	13/11/2025	12/11/2030

For ODISHA PREFAB ENGINEERING PRIVATE LIMITED

DIRECTOR

PCN Record of Certification issue 2 dated 21/11/2025

Verification of current certification status is strongly encouraged and is available at www.bindt.org/PCN or by post, telephone, fax or e-mail quoting the unique PCN Number or full name shown in Part 1

Approval is subject to continuous validity being maintained within the limits of the existing Certification Body NDT Approval Scheme and the LRQA-CASL PD CEN / TR 15589 Route B Certification Scheme.
NOTE! All BINDT/PCN NDT certificate holders will need to sign up to the WQ-iC NDT Operator Scheme Terms and Conditions prior to their approval being confirmed

Disclaimer: Note! This is a web based reproduction of the original certification. The original certification is retained by LRQA-CASL. In case of any dispute the certificate retained by LRQA-CASL is considered to be the original. Named individuals can contact LRQA-CASLfor replacement certificates – subject to confirmation of identity.
END USERS! if you need to verify the content it can be checked here: https://www.inspectioncasl.com/verify-bindt-certification/ or alternatively e-mail LRQA-CASL at LRQA-CASL-Admin@lrqa.com

Terms and conditions of contract applicable to the issuing and use of all certificates and services provided by LRQA-CASL

Rules on the use and misuse of certificates and logos

- **Only the original certificate as issued by LRQA-CASL is acceptable as evidence of certification under the scheme**
- **The certificate remains the property of LRQA-CASL.**
- **The certificate holder is the party to whom the certificate is issued.**
- **Certificate holders are responsible for the safe keeping of certificates issued by LRQA-CASL.**
- **Certificates shall not be modified / altered or tampered with in any way. Doing so invalidates the certificate.**
- **The Certificate signatory is responsible for informing LRQA-CASL of any matters arising that may affect the ability of their individual capability to continue the full certification requirements.**
- **The holder of the certification can only operate within the range of qualification shown on the certificate.**
- **When applicable, the holder shall ensure any ongoing evidence required to maintain the validity of the certificate for the applicable standard selected shall be made available on request.**
- **The certificate is only valid if the requirements of chosen qualification standard are adhered to in full.**
- **The certificate issued by LRQA-CASL is only valid up to the date shown on the certification issued.**
- **The certificate is only valid if signed by an approved signatory of LRQA-CASL and the holder**
- **Should LRQA-CASL be required to investigate the misconduct of a certified person or a third party raises a grievance with a certified person, LRQA-CASL shall reserve the right to suspend, withdraw this certificate or refuse re certification of an individual.**
- **This certificate shall be suspended if LRQA-CASL have not had funds paid due to them for the certification issued. WQ-iC shall make publicly available sponsors / individuals names on the LRQA-CASL web site and associated certificate numbers that have been suspended.**
- **The certified person shall not use the INAB logo in any form whatsoever.**
- **The certified person may use the LRQA-CASL scheme logo as shown on the front of the scheme rules.**
- **Any misuse of logos shall be dealt with an appropriate manner as outlined in the scheme rules.**

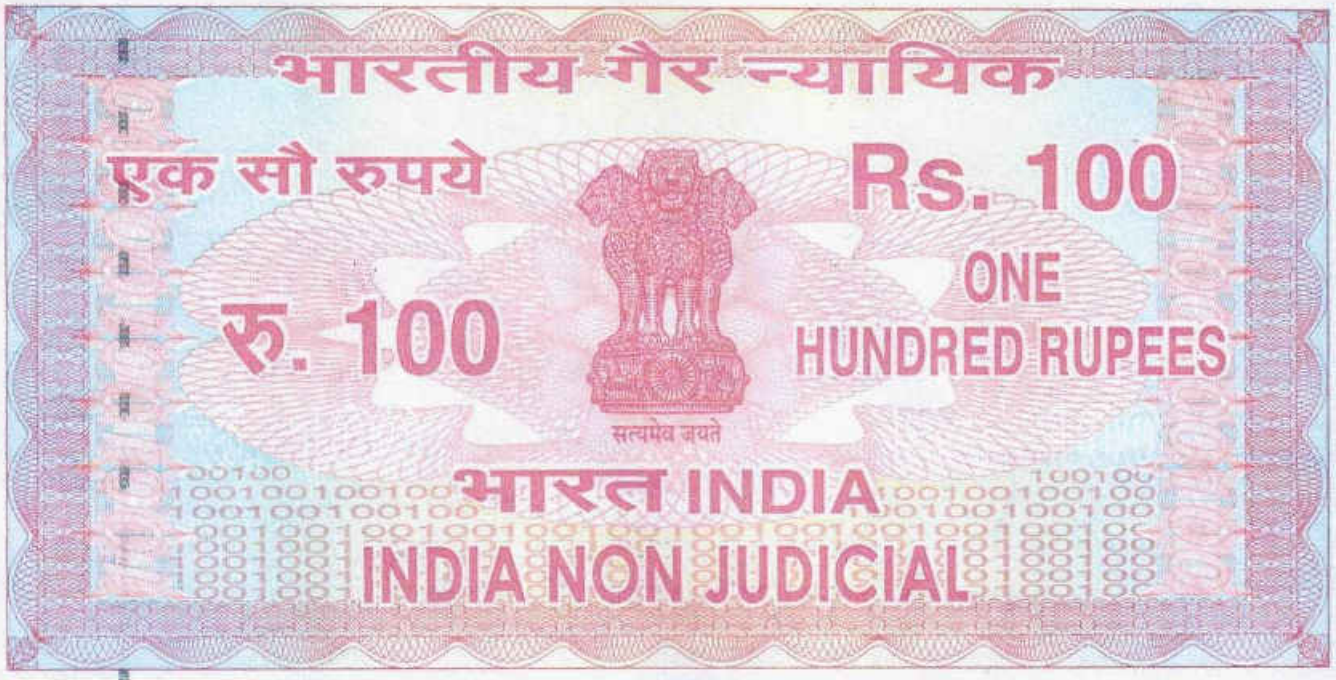
Limitation of liability:
LRQA-CASL's total aggregate liability for all loss or damage arising under or in connection with this agreement and all services provided towards the holder of the certificate whether based in contract, tort (including negligence) strict liability, indemnity or otherwise shall not exceed 100% of the fees paid by the holder.
Neither party shall be liable in contract, tort (including negligence), strict liability, indemnity or otherwise for loss of profit or anticipated profit, loss use, loss of contract, loss of production, loss of savings, loss of revenue, business interruption or increased cost of working, loss of capital or any indirect, special, consequential or exemplary damages howsoever caused regardless of whether any such losses were foreseeable by the parties at the time of entering into this contract.This contract shall be governed by the laws of England and Wales, and any disputes shall be resolved exclusively by the courts of England.

The holder of this certificate must sign and date below to confirm that they have accepted that the certification process has been followed in accordance with the scheme and that they will abide by the applicable scheme rules of LRQA-CASL and in doing so accept the terms and conditions shown above.

Name of Certificate Holder | Signature | Date

For ODISHA PREFAB ENGINEERING PRIVATE LIMITED

DIRECTOR



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MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING (MOU) is made and executed at Cuttack on this **1st January, 2026**

BETWEEN

M/s. **Odisha Prefab Engineering Private Limited**, a Company registered under the Companies Act, 1956, bearing CIN-U45100OR1991PTC002746, represented by its **Director, Mr. Samarjeet Sahoo**, and having its registered office situated at-Plot No. 1687 & 1688, Old Industrial Estate, Jagatpur, Cuttack- 754021, Odisha, India (hereinafter called as "**OPEPL**" which expression shall include its successors and permitted assigns)

---- (**1st Party**)

AND

M/s. **Nilkanth NDT Services**, being represented by its **Proprietor, Mr. Santosh Das** S/o Durga Charan Das, having **GSTIN-21BCXPD7603J1ZI**, an Industrial Radiographic Facility licensed by Atomic Energy Regulatory Board (AERB) Radiation Applications Safety Division, a Board under Atomic Energy Act, 1962 vide **License No. 25-IRLOP-1258833** having its testing facility situated at-**Dayanandnagar, Dandiapally Rourkela, Dist-Sundargarh-769004,Odisha, India** (hereinafter called as "**Nilkanth NDT Services**" which expression shall include its successors and permitted assigns)

---- (**2nd Party**)

for ODISHA PREFAB ENGINEERING PRIVATE LIMITED
DIRECTOR

NILKANTH NDT SERVICE ROURKELA

213604
24.12.25 100/- ASR
Odisha prefab Engineering (P) Ltd
Jagatpur
by S.K. Panigrahy

S.K. Paikaray

For ODISHA PREFAB ENGINEERING PRIVATE LIMITED

DIRECTOR

ASHOK KUMAR PRADHAN
STAMP VENDOR
Income Tax Bar Association
Arunodaya Market, Cuttack

23 DEC 2025
Treasury Officer,
Cuttack

NILKANTH NDT SERVICE
ROURKELA

AND WHEREAS now both the parties to this MEMORANDUM OF UINDERSTANDING are interested to reduce the terms and conditions agreed upon into writing which is executed as follows:

1. That **NILKANTH NDT SERVICES** shall be doing the testing of the materials as per the requirement of **OPEPL** and in accordance to the relevant test code.

2. That all test specimens shall be supplied by **OPEPL** to **NILKANTH NDT SERVICES** for their report/certificates.

3. That 2nd Party has agreed to provide following testing facilities to 1st Party as follows:

    a) Non destructive Testing (Radiography)

4. That all test certificates/report shall be issued by **NILKANTH NDT SERVICES**.

5. That **OPEPL** shall bear all the charges for testing of the specimens as agreed between both the parties to this agreement.

6. That this MOU shall remain valid for a period of **66 months** from the date of signing of this MOU and may be renewed/altered/amended upon mutual consent of both the parties at any point of time.

7. That the parties shall execute all instruments and documents and do all further acts and things necessary or desirable so that full effect may be given to the provisions of this MOU.

IN WITNESS WHEREOF THE Parties have set their hands at place and on the date mentioned hereinabove.

WITNESSES:

1. Mahesh Gupta
CDA, Sec-11, Cuttack
753014, Odisha

For Odisha Prefab Engineering Private Limited (OPEPL)

For ODISHA PREFAB ENGINEERING PRIVATE LIMITED

DIRECTOR

Mr. Samarjeet Sahoo, Director

2. Witnessed
Subrata Mishra

For NILKANTH NDT SERVICES

NILKANTH NDT SERVICE ROURKELA

Mr. Santosh Das, Proprietor