



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	COCHIN SHIPYARD CENTRAL LABORATORY, COCHIN SHIPYARD LIMITED, PERUMANOOR P.O., KOCHI, ERNAKULAM, KERALA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6937	Page No	1 of 18
Validity	07/04/2020 to 06/04/2022	Last Amended on	-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coatings & Treatment Solutions	Coating Thickness (Eddy Current Method)	IS 5523 (Cl. 2.4)
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coatings & Treatment Solutions	Coating Thickness (Eddy Current Method)	ASTM B244
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coatings & Treatment Solutions	Coating Thickness (Eddy Current Method)	IS 6012
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coatings & Treatment Solutions	Coating Thickness (Magnetic Method)	ASTM E376
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coatings & Treatment Solutions	Coating Thickness (Magnetic Method)	IS 3203 (Cl. 4)
6	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coatings & Treatment Solutions	Mass of Zinc Coating	IS 6745
7	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coatings & Treatment Solutions	Uniformity of Coating	IS 2633
8	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Aluminium	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Aluminium	IS 8811
10	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Carbon	ASTM E415



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

COCHIN SHIPYARD CENTRAL LABORATORY, COCHIN SHIPYARD LIMITED, PERUMANOOR
P.O., KOCHI, ERNAKULAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6937

Page No

2 of 18

Validity

07/04/2020 to 06/04/2022

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	Carbon Steel & Low Alloy Steel	Carbon	IS 8811
12	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Chromium	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Chromium	IS 8811
14	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Copper	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Copper	IS 8811
16	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Manganese	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Manganese	IS 8811
18	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Molybdenum	IS 8811
19	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Molybdenum	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Nickel	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Nickel	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Phosphorous	IS 8811
23	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Phosphorus	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Silicon	IS 8811



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

COCHIN SHIPYARD CENTRAL LABORATORY, COCHIN SHIPYARD LIMITED, PERUMANOOR
P.O., KOCHI, ERNAKULAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6937

Page No

3 of 18

Validity

07/04/2020 to 06/04/2022

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
25	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Silicon	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Sulphur	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Sulphur	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Vanadium	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	Vanadium	IS 8811
30	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
31	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
32	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
33	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
34	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
35	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
36	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
37	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
38	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

COCHIN SHIPYARD CENTRAL LABORATORY, COCHIN SHIPYARD LIMITED, PERUMANOOR
P.O., KOCHI, ERNAKULAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6937

Page No

4 of 18

Validity

07/04/2020 to 06/04/2022

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	Stainless Steel	Molybdenum	ASTM E1086
40	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
41	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
42	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	IS 9879
43	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
44	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
45	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
46	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
47	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
48	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
49	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	IS 9879
50	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	0.2 % Proof Stress (Load: 2.5kN to 950kN)	IS 1608 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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COCHIN SHIPYARD CENTRAL LABORATORY, COCHIN SHIPYARD LIMITED, PERUMANOOR
P.O., KOCHI, ERNAKULAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6937

Page No

5 of 18

Validity

07/04/2020 to 06/04/2022

Last Amended on

-

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51	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Bend	IS 1599
52	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Elongation	IS 1608 (Part 1)
53	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Mass Per Meter	IS 1786
54	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Re-bend	IS 1786
55	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Tensile Strength (Load: 2.5kN to 950kN)	IS 1608 (Part 1)
56	MECHANICAL- BUILDINGS MATERIALS	High strength deformed steel bars and wires for concrete reinforcement	Yield Strength (Load: 2.5kN to 950kN)	IS 1608 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

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P.O., KOCHI, ERNAKULAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6937

Page No

6 of 18

Validity

07/04/2020 to 06/04/2022

Last Amended on

-

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57	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous	Nick Break	IS 3600 (Part 8)
58	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous	Nick Break	API 1104
59	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Charpy Impact (Room Temp to minus 60°C)	IS 1757 (Part 1)
60	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Charpy Impact (Room Temp to minus 60°C)	ISO 148 (Part 1)
61	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Elongation (Longitudinal)	ASME (Sec IIC)
62	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Reduction of Area (Longitudinal)	ASME (Sec IIC)
63	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Reduction of Area (Longitudinal)	ASTM A370
64	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Reduction of Area (Longitudinal)	IS 3600 (Part 4)
65	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Longitudinal) (Load: 2.5kN to 950kN)	ASTM A370
66	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Transverse Bend	ISO 15614 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

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P.O., KOCHI, ERNAKULAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6937

Page No

7 of 18

Validity

07/04/2020 to 06/04/2022

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
67	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Yield Strength (Longitudinal) (Load: 2.5kN to 950kN)	ASTM A370
68	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Yield Strength (Longitudinal) (Load:2.5kN to 950kN)	IS 3600 (Part 4)
69	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Charpy Impact (Room Temp to minus 60°C)	IS 3600 (Part 2)
70	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Elongation (Longitudinal)	IS 1608 (Part 1)
71	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Elongation (Longitudinal)	IS 3600 (Part 4)
72	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Elongation (Longitudinal)	ASTM A370
73	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Elongation (Longitudinal)	ISO 6892 (Part 1)
74	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Fillet Weld Fracture	IS 3600 (Part 8)
75	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Fillet Weld Fracture	ASME (Sec IX)
76	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Fillet Weld Fracture	IBR REG 1950 ED



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

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P.O., KOCHI, ERNAKULAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6937

Page No

8 of 18

Validity

07/04/2020 to 06/04/2022

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
77	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Fillet Weld Fracture	AWS D1.2
78	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Fillet Weld Fracture	IS 7307 (Part 1)
79	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Fillet Weld Fracture	AWS D1.6
80	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Side Bend	ISO 15614 (Part 1)
81	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Side Bend	IS 3600 (Part 5)
82	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Side Bend	API 1104
83	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Side Bend	AWS D1.2
84	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Side Bend	AWS D1.1
85	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Side Bend	IBR REG 1950 ED
86	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Side Bend	IS 7307 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

COCHIN SHIPYARD CENTRAL LABORATORY, COCHIN SHIPYARD LIMITED, PERUMANOOR
P.O., KOCHI, ERNAKULAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6937

Page No

9 of 18

Validity

07/04/2020 to 06/04/2022

Last Amended on

-

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87	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Side Bend	AWS D1.6
88	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Side Bend	ASME (Sec IX)
89	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Longitudinal) (Load: 2.5kN to 950kN)	ASME (Sec IIC)
90	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Longitudinal) (Load: 2.5kN to 950kN)	IS 1608 (Part 1)
91	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous	Tensile Strength (Longitudinal) (Load: 2.5kN to 950kN)	ISO 6892 (Part 1)
92	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Longitudinal) (Load:2.5kN to 950kN)	IS 3600 (Part 4)
93	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Transverse) (Load: 2.5kN to 950kN)	ASME Sec IX
94	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Transverse) (Load: 2.5kN to 950kN)	IS 3600 (Part 3)
95	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Transverse) (Load: 2.5kN to 950kN)	AWS D1.1
96	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Transverse) (Load: 2.5kN to 950kN)	IBR REG 1950 ED



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

COCHIN SHIPYARD CENTRAL LABORATORY, COCHIN SHIPYARD LIMITED, PERUMANOOR
P.O., KOCHI, ERNAKULAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6937

Page No

10 of 18

Validity

07/04/2020 to 06/04/2022

Last Amended on

-

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97	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Transverse) (Load: 2.5kN to 950kN)	ISO 15614 (Part 1)
98	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Transverse) (Load: 2.5kN to 950kN)	AWS D1.2
99	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Transverse) (Load: 2.5kN to 950kN)	API 1104
100	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Transverse) (Load: 2.5kN to 950kN)	AWS D1.6
101	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Tensile Strength (Transverse) (Load:2.5kN to 950kN)	IS 7307 (Part 1)
102	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Transverse Bend	API 1104
103	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Transverse Bend	AWS D1.6
104	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Transverse Bend	IS 7307 (Part 1)
105	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Transverse Bend	AWS D1.2
106	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Transverse Bend	ASME (Sec IX)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

COCHIN SHIPYARD CENTRAL LABORATORY, COCHIN SHIPYARD LIMITED, PERUMANOOR
P.O., KOCHI, ERNAKULAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6937

Page No

11 of 18

Validity

07/04/2020 to 06/04/2022

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
107	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Transverse Bend	AWS D1.1
108	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Transverse Bend	IBR REG 1950 ED
109	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Transverse Bend	IS 3600 (Part 5)
110	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Yield Strength (Longitudinal) (Load: 2.5kN to 950kN)	IS 1608 (Part 1)
111	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Yield Strength (Longitudinal) (Load: 2.5kN to 950kN)	ASME (Sec IIC)
112	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Yield Strength (Longitudinal) (Load: 2.5kN to 950kN)	ISO 6892 (Part 1)
113	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend	ISO 7438
114	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend	IS 1599
115	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Breaking Load	IS 1608 (Part 1)
116	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Breaking Load	ISO 6892 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	COCHIN SHIPYARD CENTRAL LABORATORY, COCHIN SHIPYARD LIMITED, PERUMANOOR P.O., KOCHI, ERNAKULAM, KERALA, INDIA	Page No	12 of 18
Accreditation Standard	ISO/IEC 17025:2017	Last Amended on	-
Certificate Number	TC-6937		
Validity	07/04/2020 to 06/04/2022		

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117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Breaking Load	ASTM E8/E8M
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact (Room Temp. to minus 60°C)	ISO 148 (Part 1)
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact (Room Temp. to minus 60°C)	IS 1757 (Part 1)
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend	ASTM A370
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Breaking Load	ASTM A370
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2 % Proof Stress (Load: 2.5kN to 950kN)	IS 1608 (Part 1)
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2 % Proof Stress (Load: 2.5kN to 950kN)	ASTM E8/E8M
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2 % Proof Stress (Load: 2.5kN to 950kN)	ISO 6892 (Part 1)
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2 % Proof Stress (Load: 2.5kN to 950kN)	ASTM A370
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation	IS 1608 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

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P.O., KOCHI, ERNAKULAM, KERALA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6937

Page No

13 of 18

Validity

07/04/2020 to 06/04/2022

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
127	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation	ISO 6892 (Part 1)
128	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation	ASTM E8/E8M
129	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation	ASTM A370
130	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction of Area	ASTM E8/E8M
131	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction of Area	ASTM A370
132	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction of Area	ISO 6892 (Part 1)
133	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction of Area	IS 1608 (Part 1)
134	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRA	ASTM A370
135	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRA	IS 1586 (Part 1)
136	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRA	ASTM E18



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6937	Page No	14 of 18
Validity	07/04/2020 to 06/04/2022	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
137	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRA	ISO 6508 (Part 1)
138	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRB	ASTM A370
139	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRB	ISO 6508 (Part 1)
140	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRB	ASTM E18
141	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRC	ASTM A370
142	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRC	IS 1586 (Part 1)
143	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRC	ISO 6508 (Part 1)
144	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRC	ASTM E18
145	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength (Load: 2.5kN to 950kN)	ISO 6892 (Part 1)
146	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength (Load: 2.5kN to 950kN)	ASTM E8/E8M



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SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6937	Page No	15 of 18
Validity	07/04/2020 to 06/04/2022	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
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength (Load: 2.5kN to 950kN)	ASTM A370
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Strength (Load: 2.5kN to 950kN)	IS 1608 (Part 1)
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness - HV1	Withdrawn ISO 6507 (Part 1)
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness - HV1	IS 1501 (Part 1)
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness - HV10	IS 1501 (Part 1)
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness - HV10	Withdrawn ISO 6507 (Part 1)
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness - HV20	Withdrawn ISO 6507 (Part 1)
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness - HV20	IS 1501 (Part 1)
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness - HV5	Withdrawn ISO 6507 (Part 1)
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness - HV5	IS 1501 (Part 1)



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Certificate Number	TC-6937	Page No	16 of 18
Validity	07/04/2020 to 06/04/2022	Last Amended on	-

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157	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness - HV50	IS 1501 (Part 1)
158	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness - HV50	Withdrawn ISO 6507 (Part 1)
159	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (Load: 2.5kN to 950kN)	IS 1608 (Part 1)
160	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (Load: 2.5kN to 950kN)	ISO 6892 (Part 1)
161	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (Load: 2.5kN to 950kN)	ASTM A370
162	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength (Load: 2.5kN to 950kN)	ASTM E8/E8M
163	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength at 0.2 % offset (Load: 2.5kN to 950kN)	ASTM A370
164	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength at 0.2 % offset (Load: 2.5kN to 950kN)	ISO 6892 (Part 1)
165	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength at 0.2 % offset (Load: 2.5kN to 950kN)	ASTM E8/E8M
166	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Strength at 0.2 % offset (Load: 2.5kN to 950kN)	IS 1608 (Part 1)



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Certificate Number	TC-6937	Page No	17 of 18
Validity	07/04/2020 to 06/04/2022	Last Amended on	-

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167	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRB	IS 1586 (Part 1)
168	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Tubes	Flaring/Drift Expansion	IS 2335
169	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Tubes	Flaring/Drift Expansion	ASTM A370
170	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Tubes	Flattening	ASTM A370
171	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Tubes	Flattening	IS 2328
172	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Tubes	Flattening	ISO 8492
173	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Tubes	Mass Per Meter	IS 1786
174	MECHANICAL- METALLOGRAPHY TEST	Ferrous & Non Ferrous	Fillet Weld Fracture	AWS D1.1
175	MECHANICAL- METALLOGRAPHY TEST	Ferrous & Non Ferrous	Macro Examination	ASTM E340
176	MECHANICAL- METALLOGRAPHY TEST	Ferrous & Non Ferrous	Macro Examination	ASME (Sec IX)
177	MECHANICAL- METALLOGRAPHY TEST	Ferrous & Non Ferrous	Macro Examination	IBR REG 1950 ED



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Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6937

Page No

18 of 18

Validity

07/04/2020 to 06/04/2022

Last Amended on

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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
178	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous	Macro Examination	IS 7307 (Part 1)
179	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous	Macro Examination	API 1104
180	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous	Macro Examination	AWS D1.6
181	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous	Macro Examination	IS 3600 (Part 9)
182	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous	Macro Examination	AWS D1.2
183	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous	Macro Examination	ISO 15614 (Part 1)
184	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous	Macro Examination	AWS D1.1