National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKIPPER LIMITED (TECHNICAL SERVICES DEPARTMENT), NH-6, VILL. MADHABPUR, P.O. MAHISHREKHA, ULUBARIA, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6523 **Page No** 1 of 5

Validity 29/10/2021 to 28/10/2023 **Last Amended on** 03/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron & Steel	Adhesion Test (by pivoted hammer)	IS 2629
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron & Steel	Mass of Zinc Coating	IS 6745
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron & Steel	Thickness of Zinc Coating	IS 3203
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron & Steel	Uniformity of Zinc Coating	IS 2633
5	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	ALUMINIUM(Al)	ASTM E 415
6	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	BORON(B)	ASTM E 415
7	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	CARBON (C)	IS 228 (Part 1)
8	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	CARBON(C)	ASTM E 415
9	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	CHROMIUM(Cr)	ASTM E 415
10	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	COBALT(Co)	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	COPPER(Cu)	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	MANGANESE(Mn)	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	MANGANESE(Mn)	IS 228 (Part 2)
14	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	MOLYBDENUM(Mo)	ASTM E 415
15	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	NICKEL(Ni)	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	NIOBIUM(Nb)	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	PHOSPHORUS(P)	ASTM E 415

SCOPE OF ACCREDITATION

Laboratory Name :	SKIPPER LIMITED (TECHNICAL SERVICES DEPARTMENT), NH-6, VILL. MADHABPUR, P.O. MAHISHREKHA, ULUBARIA, HOWRAH, WEST BENGAL, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6523	**Page No**	2 of 5
Validity	29/10/2021 to 28/10/2023	**Last Amended on**	03/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
18	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	PHOSPHORUS(P)	IS 228 (Part 3)
19	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	SILICON(Si)	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	SILICON(Si)	IS 228 (Part 8)
21	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	SULPHUR(S)	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	SULPHUR(S)	IS 228 (Part 9)
23	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	TITANIUM(Ti)	ASTM E 415
24	CHEMICAL- METALS & ALLOYS	Carbon Steel & Low Alloy Steel	VANADIUM(V)	ASTM E 415
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Angle	Sectional Weight	IS 808
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Angle, Flat	Leg Length of Angle, Width of Flat	IS 2062
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Angle, Flat, Plate, Strip	Length	IS 2062
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Angle, Plate, Strip, Flat	Thickness of Leg of Angle and Thickness of Plate, Strip, Flat	IS 2062
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt (Carbon & Alloy Steel)	Head Soundness	IS 1367 (Part 3)
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt (Carbon & Alloy Steel)	Proof Load	IS 1367 (Part 3)
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt (Carbon & Alloy Steel)	Tensile Strength	IS 1367 (Part 3)
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt (Carbon & Alloy Steel)	Tensile Strength	IS 1367 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name :	SKIPPER LIMITED (TECHNICAL SERVICES DEPARTMENT), NH-6, VILL. MADHABPUR, P.O. MAHISHREKHA, ULUBARIA, HOWRAH, WEST BENGAL, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6523	**Page No**	3 of 5
Validity	29/10/2021 to 28/10/2023	**Last Amended on**	03/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt (Carbon & Alloy Steel)	Wedge Tensile Strength	IS 1367 (Part 3)
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt(Carbon & Alloy Steel)	Shear Strength	IS 12427
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolt(Carbon & Alloy Steel)	Shear Strength	IS 12427
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal & Alloy Steel for Angle, Bar, Flat, Plate, Strip, Structural Section	Charpy Impact Test (V-notch) at (-) 20 degree C	IS 1757(Part 1)
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal & Alloy Steel for Angle, Bar, Flat, Plate, Strip, Structural Section	Charpy Impact Test(V-notch) at 0 degree C	IS 1757(Part 1)
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metal & Alloy Steel for Angle, Bar,Flat,Plate,Strip,Structural Section	Charpy Impact Test(V-notch) at Room Temperature	IS 1757 (Part 1)
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloy Steel for Nut,Bolt,Plate,Die,Forged Steel	Vickers Hardness(HV10)	IS 1501 (Part 1)
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloy Steel for Nut,Bolt,Plate,Die,Forged Steel	Vickers Hardness(HV30)	IS 1501 (Part 1)
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloy Steel for Nut,Bolt,Plate,Die,Forged Steel	Vickers Hardness(HV5)	IS 1501 (Part 1)
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys Steel for Angle, Tube, Bar, Flat, Plate, Strip, Structural Section.	Yield Strength	IS 1608 Part 1 (Method B)
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys Steel for Angle,Bar,Flat,Plate,Structural Section	Bend Test (Mandrel dia: 4,6,8,10,12,14,16, 20, 24, 28, 30,32, 34, 36, 40, 48, 50, 64 mm)	IS 1599
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys Steel for Angle,Tube,Bar,Flat,Plate,Strip,Structural Section	% Elongation	IS 1608 Part 1 (Method B)
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys Steel for Angle,Tube,Bar,Flat,Plate,Strip,Structural Section	Tensile Strength	IS 1608 Part 1 (Method B)

SCOPE OF ACCREDITATION

Laboratory Name :	SKIPPER LIMITED (TECHNICAL SERVICES DEPARTMENT), NH-6, VILL. MADHABPUR, P.O. MAHISHREKHA, ULUBARIA, HOWRAH, WEST BENGAL, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6523	**Page No**	4 of 5
Validity	29/10/2021 to 28/10/2023	**Last Amended on**	03/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys Steel for Angle,Tube,Bar,Flat,Plate,Strip,Structural Section	Tensile Strength	IS 1608 Part 1 (Method B)
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys Steel for Angle,Tube,Bar,Flat,Plate,Strip,Structural Section.	Yield Strength	IS 1608 Part 1 (Method B)
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hexagon Head Bolt	Length	IS 12427
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hexagon Head Bolt	Length	IS 1363(Part 1)
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hexagon Head Bolt	Shank Diameter	IS 12427
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hexagon Head Bolt	Shank Diameter	IS 1363(Part-1)
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hexagon Head Nut	Width Across Flats	IS 1363 (Part 3)
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nut (Carbon & alloy steel)	Proof Load	IS 1367 (Part 6)
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Strip	Width	IS 2062
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tube	Flattening Test	IS 2328
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tube & Socket	Drift Expansion Test	IS 2335
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Washer	Inner Diameter	IS 2016
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Washer	Outer Diameter	IS 2016
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Washer	Thickness	IS 2016

SCOPE OF ACCREDITATION

Laboratory Name :	SKIPPER LIMITED (TECHNICAL SERVICES DEPARTMENT), NH-6, VILL. MADHABPUR, P.O. MAHISHREKHA, ULUBARIA, HOWRAH, WEST BENGAL, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6523	**Page No**	5 of 5
Validity	29/10/2021 to 28/10/2023	**Last Amended on**	03/01/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strip	Length	IS 10748
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strip	Thickness	IS 10748
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Strip	Width	IS 10748