National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TOWER & MATERIAL TESTING LAB - KECIL JABALPUR, DEORI, POST OFFICE PANAGAR, JABALPUR, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5792 **Page No** 1 of 5

Validity 16/07/2022 to 15/07/2024 **Last Amended on** 17/11/2022

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	Galvanized articles	Mass of Zinc coating	IS 6745
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Galvanized articles	Mass of Zinc coating	ISO 1460
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Galvanized articles	Uniformity of Zinc coating / Preece Test	ASTM A239
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Galvanized articles	Uniformity of Zinc coating / Preece Test	IS 2633
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Galvanized articles\	Mass of Zinc coating	ASTM A90-A90M
6	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Aluminium	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Carbon	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Carbon	IS 8811
9	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Chromium	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Chromium	IS 8811
11	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Copper	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Copper	IS 8811
13	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Manganese	IS 8811
14	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Molybdenum	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Neobium	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Niobium	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name :	TOWER & MATERIAL TESTING LAB - KECIL JABALPUR, DEORI, POST OFFICE PANAGAR, JABALPUR, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5792	**Page No**	2 of 5
Validity	16/07/2022 to 15/07/2024	**Last Amended on**	17/11/2022

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
17	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Phosphorous	IS 8811
18	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Silicon	ASTM E415
19	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Silicon	IS 8811
20	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Sulfur	IS 8811
21	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Titanium	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Vanadium	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and high	Vanadium	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and hign	Manganese	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, medium and hihg	Nickel	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, mediumd and high	Aluminium	IS 8811
27	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, mediumd and high	Molubdenum	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon Steel - low, mediun and high	Titanium	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Carbon Steel - low. medium and high	Sulfur	ASTM E415
30	CHEMICAL- METALS & ALLOYS	Carbon Steel -low, medium and high	Nickel	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Carbon Steel -low, medium and high	Phosphorous	ASTM E415
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Galvanized articles	Adhesion test	ASTM A123-A123M
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Galvanized articles	Adhesion test	ISO 1461
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Galvanized articles	Adhesion Testing	IS 2629

SCOPE OF ACCREDITATION

Laboratory Name :	TOWER & MATERIAL TESTING LAB - KECIL JABALPUR, DEORI, POST OFFICE PANAGAR, JABALPUR, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5792	**Page No**	3 of 5
Validity	16/07/2022 to 15/07/2024	**Last Amended on**	17/11/2022

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
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Galvanized articles	Embrittlement test	ASTM A143M
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Galvanized articles	Thickness of Zinc coating	ASTM A123-A123M
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Galvanized articles	Thickness of zinc coating	IS 4759
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Galvanized articles	Thickness of zinc coating	ISO 1461
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Galvanized articles	Thickness of zinc coating	JIS H 8641
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Produc ts	% Elongation	ASTM E8M
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	% Elongation	IS 1608-Part1
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	% Elongation	ISO 6892-1
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	% Elongation	JIS Z 2241
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Bend Test	ASTM E290
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Bend test	IS 1599
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Bend Test	ISO 6892-1
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Bend Test	JIS Z2248
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Chapry Impact (V-notch) at -20 degree Clesius of temperature	ASTM A370M

SCOPE OF ACCREDITATION

Laboratory Name :	TOWER & MATERIAL TESTING LAB - KECIL JABALPUR, DEORI, POST OFFICE PANAGAR, JABALPUR, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5792	**Page No**	4 of 5
Validity	16/07/2022 to 15/07/2024	**Last Amended on**	17/11/2022

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
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Chapry Impact (V-notch) at Room Temperature	IS 1757-Part1
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Charpy Impact (V-notch) - Ambient Temperature to -20DegC	ASTM E23
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Charpy Impact (V-notch) at -20 degree Celsius of temperature	ASTM E23
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Charpy Impact (V-notch) at -20 degree Celsius of temperature	BS EN ISO 148-1
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Charpy Impact (V-notch) at -20 degree Celsius of temperature	JIS Z2242
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Charpy Impact (V-notch) at -20 degree Celsius temperature	IS 1757-Part1
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Charpy Impact (V-notch) at Room Temeprature	BS EN IS O148-1
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Charpy Impact (V-notch) at Room Temperature	ASTM A370M
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Charpy Impact (V-notch) at Room Temperature	JIS Z2242
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Tensile Strength	ASTM E8M
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat products	Tensile Strength	IS 1608-Part1
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Tensile strength	ISO 6892-1
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Tensile Strength	JIS Z 2241
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Weight per metre	ASTM A6M

SCOPE OF ACCREDITATION

Laboratory Name :	TOWER & MATERIAL TESTING LAB - KECIL JABALPUR, DEORI, POST OFFICE PANAGAR, JABALPUR, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5792	**Page No**	5 of 5
Validity	16/07/2022 to 15/07/2024	**Last Amended on**	17/11/2022

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
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Weight per metre	BS EN 10056-1
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Weight per metre	JIS G 3192
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Weight per metre	JIS G 3194
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Yield Stress	ASTM E8M
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Yield Stress	IS 1608-Part1
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Yield Stress	ISO 6892-1
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Shapes and Flat Products	Yield Stress	JIS Z 2241
70	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Prototype Transmission Tower Testing	Loading Test (Full scale)	IEC 60652
71	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Prototype Transmission Tower Testing	Loading test (Full scale)	IS 802 Part III