National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TOWER & MATERIALS TESTING LAB - KEC INTERNATIONAL LTD. JAIPUR, PLOT NO. 14-15, JHOTWARA INDUSTRIAL AREA, JHOTWARA, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 16/07/2022 to 15/07/2024 **Last Amended on** 08/09/2022

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	Hot dipped galvanized material	Mass of zinc coating	ASTM A90M
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Hot dipped galvanized material	Mass of zinc coating	IS 6745
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Hot dipped galvanized material	Mass of zinc coating	ISO 1460
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Hot dipped galvanized material	Uniformity of Zinc coating / Preece Test	ASTM A239M
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Hot dipped galvanized material	Uniformity of Zinc coating / Preece Test	IS 2633
6	CHEMICAL- METALS & ALLOYS	Carbon steel - low medium and high	Carbon	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium & high	Phosphorous	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Aluminium	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Carbon	IS 8811
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	Manganese	ASTM E415
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	Molybdenum	IS 8811
16	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Neobium	ASTM E415

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17	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Neobium	IS 8811
18	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Nickel	IS 8811
19	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Phosphorous	IS 8811
20	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Silicon	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Silicon	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Sulphur	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Sulphur	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Titanium	IS 8811
25	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Vanadium	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Carbon steel - low, medium and high	Vanadium	IS 8811
27	CHEMICAL- METALS & ALLOYS	Carbon steel - low. medium and high	Titanium	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Carbon steel- low, medium and high	Aluminium	IS 8811
29	CHEMICAL- METALS & ALLOYS	Carbon steel- low, medium and high	Chromium	ASTM E415
30	CHEMICAL- METALS & ALLOYS	Carbon steel- low, medium and high	Copper	IS 8811
31	CHEMICAL- METALS & ALLOYS	Carbon steel- low, medium and high	Nickel	ASTM E415
32	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot dip galvanized steel material	Embrittlement detection	ASTM A143M
33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Dipped Galvanized Material	Adhesion test by Pivoted Hammer	IS 2629
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot dipped galvanized material	Thickness of Zinc coating Magnetic field Method	ASTM E376

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35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	% Elongation	IS 1608 (Part 1)
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	% Elongation	ISO 6892 (Part-1)
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	% Elongation	JIS Z 2241
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Bend test	ASTM A370
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Bend test	ASTM E290
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Bend test	IS 1599
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Bend test	JIS Z2248
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Charpy Impact (V-notch) test at -20 degree celsius of temperature	BSEN ISO 148-1
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Charpy Impact (V-notch) test at 0 degree celsius of temperature	IS 1757 (Part 1)
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Charpy Impact (V-notch) test at 0 degree celsius of temperature	JIS Z2242
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Charpy Impact (v-notch) test at 0 degree celsius temperature	BSEN ISO 148(Part-1)
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Charpy Impact (V-notch) test at 0 degree celsius temperature	IS 1757 (Part 1)
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Charpy Impact (v-notch) test at -20 degree celsisu of temperature	IS 1757 (Part 1)
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Charpy Impact (V-notch) test at -20 degree celsisu of temperature	JIS Z2242

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49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Mass per metre	IS 1786
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Mass per metre	JIS G 3192
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Mass per metre	JIS G3192
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Tensile strength	ASTM E8M
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Tensile strength	IS 1608 (Part 1)
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Tensile Strength	ISO 6892 (Part-1)
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Tensile strength	JIS Z 2241
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Weight per metre	JIS G 3194
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and Flat products	Yield Stress	ASTM E8M
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Yield Stress	IS 1608 (Part 1)
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Yield stress	ISO 6892 (Part-1)
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and flat products	Yield stress	JIS Z2241
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel shapes and lat products	% Elongation	ASTM E8M
62	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Prototype Transmission Tower, Overhead Line Structures	Loading test (Full scale)	IEC 60652

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63	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Prototype Transmission Tower, Overhead Line Structures	Loading Test (Full scale)	IEC 60652
64	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Prototype Transmission Tower, Overhead line structures	Loading test (Full scale)	IS 802 (Part III)