National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY - KALPATARU POWER TRANSMISSION LIMITED, SURVEY NO. 246, VILLAGE : PUNADARA, TALUKA PRANTIJ, PRANTIJ, SABARKANTHA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5780 **Page No** 1 of 2

Validity 12/06/2022 to 11/06/2024 **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	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	% Elongation	ASTM A 370
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	% Elongation	BS EN 10002–1
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	% Elongation	BS EN ISO 6892–1
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	% Elongation	IS 1608 (Part–1)
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	% Elongation	JIS Z 2241
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Tensile Strength	ASTM A370
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Tensile Strength	BS EN 10002–1
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Tensile Strength	BS EN ISO 6892-1
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Tensile Strength	IS 1608 (Part–1)
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Tensile Strength	JIS Z 2241
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Yield Strength	ASTM A 370
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Yield Strength	BS EN 10002–1
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Yield Strength	BS EN ISO 6892–1

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14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Yield Strength	IS 1608 (Part–1)
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Yield Strength	JIS Z 2241
16	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Prototype Transmission Tower Testing • Overhead line structures Lattice	Loading test(Full Scale) Height of tower:85 meter, Max Load:392 kN, Max points, Transverse:21, Vertical:11, Longitudinal:15 Width (Square & Rectangular base) 1 m Min to 27 m Max, Uplift: Max 5393 kN per leg, Compression: Max 6129 kN per leg (max only), Width (Square base) 27 m to 37 m Max, Uplift: Max 9806 kN per leg, Compression: Max 11767 kN per leg (max only), Auxiliary test bed Width (Square base) 1 m to 17 m Max, Uplift: Max 1961 kN per leg, Compression: Max 2157 kN per leg	IS 802 (Part-3)
17	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Prototype Transmission Tower Testing - Overhead line structures Lattice	Loading test (Full Scale) Height of tower: 85 meter, Max Load: 392 kN, Max points, Transverse: 21, Vertical: 11, Longitudinal: 15 Width (Square & Rectangular base) 1 m Min to 27 m Max, Uplift: Max 5393 kN per leg, Compression: Max 6129 kN per leg (max only), Width (Square base) 27 m to 37 m Max, Uplift: Max 9806 kN per leg, Compression: Max 11767 kN per leg (max only), Auxiliary test bed Width (Square base) 1 m to 17 m Max, Uplift: Max 1961 kN per leg, Compression: Max 2157 kN per leg	IEC 60652