National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CURRENT INFRAPROJECTS PRIVATE LIMITED (MEC TEST HOUSE), A-27, BASANT VIHAR, BAJRI MANDI ROAD, VAISHALI NAGAR WEST, PANCHAYAWALA, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6481 **Page No** 1 of 3

Validity 09/06/2022 to 08/06/2024 **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	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Conductor Resistance	IS 10810 (Part 5)
2	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Elongation at Break of Armouring	IS 10810 (Part 37)
3	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Elongation at Break of Insulation	IS 10810 (Part 7)
4	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Flammability Test	IS 10810 (Part 53)
5	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Heat shock	IS 10810 (Part 14)
6	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Hot Set	IS 10810 (Part 30)
7	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Insulation resistance Constant (At room temperature)	IS 10810 (Part 43)
8	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Shrinkage	IS 10810 (Part 12)
9	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Tensile Strength (Aluminum)	IS 10810 (Part 2)
10	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Tensile Strength at Break of Insulation	IS 10810 (Part 7)
11	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Tensile Strength of Armoring	IS 10810 (Part 37)
12	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Thickness of Insulation	IS 10810 (Part 6)
13	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Thickness of Sheath & Overall Diameter	IS 10810 (Part 6)
14	ELECTRICAL- CABLES & WIRES	PVC Insulated Wires, Control Cables & Power Cables, Arial Bunched Cables/ Conductors	Volume Resistivity (At room temperature)	IS 10810 (Part 43)
15	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductor, All Aluminum Conductor, ACSR, AAAC	Breaking load of Individual Wires	Cl. 13.3, IS 398 (Part 2)
16	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductor, All Aluminum Conductor, ACSR, AAAC	Electrical resistance	Cl. 13.6, IS 398 (Part 2)
17	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductor, All Aluminum Conductor, ACSR, AAAC	Elongation	Cl. 13.4.2, IS 398 (Part 2)

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18	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductor, All Aluminum Conductor, ACSR, AAAC	Measurement of diameter of Individual alumunium and steel wires	Cl. 13.2, IS 398 (Part 2)
19	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductor, All Aluminum Conductor, ACSR, AAAC	Wrapping (Aluminium Only)	Cl. 13.5.1, IS 398 (Part 2)
20	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Geyser(Storage Water Heater)	Capacity	Cl. 14, IS 2082
21	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Gyeser(storage water heater)	Power Input	Cl. 22.1.2 b, IS 2082
22	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Electric Strength (BDV)	Cl. 9.0, IS 6792
23	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breakers for Over Current Protection for Household	Tripping Characteristics	Cl. 9.10.1, IS/IEC 60898-1
24	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relay	Pick-Up Value Drop-Out Value	Cl. 7.1, IS 9124
25	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relay	Time	Cl. 7.2, IS 9124

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Site Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Earth Pit Resistance Testing	Earth Resistance Testing	Cl. 37.0, IS 3043
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single Phase / Three Phase / LT CT Operated Energy Meter	Accuracy (Only Active energy)	Cl.12.2, IS 15707
3	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution & Power Transformer	Measurement of Insulation Resistance and winding resistance.	Cl. 21.2 e, IS 1180 (Part-1)
4	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution & Power Transformer	Measurement of No Load Loss & Current	Cl. 21.2 d, IS 1180 (Part-1)
5	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution & Power Transformer	Measurement of Short Circuit Impedance & Load Loss at 50% and 100% Load	Cl. 21.2 c, IS 1180 (Part-1)
6	ELECTRICAL- INDUCTORS & TRANSFORMERS	Distribution & Power Transformer	Measurement of Voltage Ratio and Check of Phase Displacement.	Cl. 21.2 b, cl. 10.2 of IS 1180 (Part-1) and IS 2026-1
7	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Illumination	Indoor & Outdoor Luminance	SP-72, BEE Code Lighting
8	ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breakers for Over Current Protection for Household	Tripping Characteristics	Cl. 9.10.1, IS/IEC 60898-1