National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HV ELECTRICAL LAB & THERMO MECHANICAL LAB, RAYCHEM RPG PVT. LTD., SAFARI CROSSING, HALOL, PANCH MAHALS, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10829 **Page No** 1 of 5

Validity 15/07/2022 to 14/07/2024 **Last Amended on** 18/08/2022

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	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Cable accessories up to 220kV	High Voltage Test	IEC 62067
2	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Cable accessories up to 220kV	Partial Discharge Test	IEC 60270
3	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Cable accessories up to 220kV	Partial Discharge Test	IEC 60502-2
4	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Cable accessories up to 220kV	Partial Discharge Test	IEC 60840
5	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Cable accessories up to 220kV	Partial Discharge Test	IEC 60885-3
6	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Cable accessories up to 220kV	Partial Discharge Test	IEC 62067
7	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Cable accessories up to 220kV	High Voltage Test	IEC 60502-2
8	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Cable accessories up to 220kV	High Voltage Test	IEC 60840
9	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Cable accessories up to 220kV	High Voltage Test	IEC 60885-3
10	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Solid Insulating Materials	Dielectric constant	IEC 60250
11	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Solid Insulating Materials	Surface Resistivity (SR)	IEC 62631-3-2
12	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Solid insulating Materials	Tracking & Erosion Resistance Test	ASTM D 2303
13	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Solid Insulating Materials	Volume Resistivity (VR)	IEC 62631-3-1
14	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Solid Insulating Material	Tracking & Erosion Resistance Test	IEC 60587
15	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Cable connecting equipment and accessories.	Electrical ageing Test	EN 50483-5

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16	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Cable connecting equipment and accessories.	Electrical Ageing Test	NFC 33-020
17	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Cable connecting equipment and accessories.	Heat Cycling Test	IEC 61238-1-3
18	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Cable connecting equipment and accessories.	Heating Cycle Test	IEC 60502-2
19	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Testing on various material • Cable connecting equipment and accessories. • Cables and conductors • Electrical transmission line equipment and accessories	DC Resistance Test	IS 5561
20	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Testing on various material • Cable connecting equipment and accessories. • Cables and conductors • Electrical transmission line equipment and accessories	DC Resistance Test	ANSI C 119.4
21	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Testing on various material • Cable connecting equipment and accessories. • Cables and conductors • Electrical transmission line equipment and accessories	DC Resistance Test	EN 50483-5
22	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Testing on various material • Cable connecting equipment and accessories. • Cables and conductors • Electrical transmission line equipment and accessories	DC Resistance Test	IEC 60502-2
23	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Testing on various material • Cable connecting equipment and accessories. • Cables and conductors • Electrical transmission line equipment and accessories	Temperature measurement	ANSI C 119.4
24	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Testing on various material • Cable connecting equipment and accessories. • Cables and conductors • Electrical transmission line equipment and accessories	Temperature measurement	EN 50483-5
25	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Testing on various material • Cable connecting equipment and accessories. • Cables and conductors • Electrical transmission line equipment and accessories	Temperature measurement	IEC 60502-2
26	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Testing on various material • Cable connecting equipment and accessories. • Cables and conductors • Electrical transmission line equipment and accessories	Temperature measurement	IS 5561

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27	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Testing on various material • Cable connecting equipment and accessories. • Cables and conductors • Electrical transmission line equipment and accessories	DC Resistance Test	IEC 61238-1-3
28	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Testing on various material • Cable connecting equipment and accessories. • Cables and conductors • Electrical transmission line equipment and accessories	DC Resistance Test	NFC 33-020
29	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Testing on various material • Cable connecting equipment and accessories. • Cables and conductors • Electrical transmission line equipment and accessories	Temperature measurement	IEC 61238-1-3
30	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Testing on various material • Cable connecting equipment and accessories. • Cables and conductors • Electrical transmission line equipment and accessories	Temperature measurement	NFC 33-020
31	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical transmission line equipment and accessories	Current cycle test	ANSI C 119.4
32	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical transmission line equipment and accessories	Temperature rise test	IS 5561
33	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV	High Voltage test	IEC 62217
34	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV	Salt fog test	IEC 61109
35	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV	Salt fog test	IEC 61462
36	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV	Salt fog test	IEC 61952
37	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV	Salt fog test	IEC 62217

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38	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV	Salt fog test	IEC 62231
39	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV & Surge Arresters up to 220kV	Tensile Load & Cantilever Load Test under Thermal conditions	IEC 60099-4
40	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV & Surge Arresters up to 220kV	Tensile Load & Cantilever Load Test under Thermal conditions	IEC 61109
41	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV & Surge Arresters up to 220kV	Tensile Load & Cantilever Load Test under Thermal conditions	IEC 61462
42	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV & Surge Arresters up to 220kV	Tensile Load & Cantilever Load Test under Thermal conditions	IEC 61952
43	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV & Surge Arresters up to 220kV	Tensile Load & Cantilever Load Test under Thermal conditions	IEC 62231
44	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV	High Voltage test	IEC 62231
45	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV	Tracking & Erosion Test	ANSI/NEMA C 29.11
46	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV	Tracking & Erosion Test	ANSI/NEMA C 29.12
47	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV	Tracking & Erosion Test	ANSI/NEMA C 29.17
48	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV & Surge Arresters up to 220kV	Tensile Load & Cantilever Load Test under Thermal conditions	IEC 62217

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49	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV & Surge Arresters up to 220kV	Thermal Mechanical Test	ANSI/NEMA C 29.11
50	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV & Surge Arresters up to 220kV	Thermal Mechanical Test	ANSI/NEMA C 29.13
51	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV & Surge Arresters up to 220kV	Thermal Mechanical Test	ANSI/NEMA C 29.17
52	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulators up to 132kV & Surge Arresters up to 220kV	Thermal Mechanical Test	ANSI/NEMA C 29.18
53	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Surge Arresters up to 220kV	High Voltage Test (Dry Insulation Withstand & Reference voltage)	IEC 60099-4
54	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Surge Arresters up to 220kV	Partial Discharge Test	IEC 60099-4
55	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Surge arresters up to 220kV	Salt fog test	IEC 60099-4