



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

RRTL, RAYCHEM RPG PRIVATE LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

1/62, M.G.ROAD, OFF WESTERN EXPRESS HIGHWAY, POST SATIVALI, VASAI, PALGHAR,
MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number: TC-10900

Issue Date: 03/08/2022

Valid Until: 02/08/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : Raychem RPG Private Limited

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

RRTL, RAYCHEM RPG PRIVATE LIMITED, 1/62, M.G.ROAD, OFF WESTERN EXPRESS
HIGHWAY, POST SATIVALI, VASAI, PALGHAR, MAHARASHTRA, INDIA

Accreditation Standard

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Validity

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Last Amended on

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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- SAFETY TESTING FACILITY	Electrical Insulating Gloves (Natural Rubber)	Dielectric tests: Proof test (AC 50 Hz and upto 50kV only)	IEC 60903 (clause 5.6.1.4.2)
2	ELECTRICAL- SAFETY TESTING FACILITY	Electrical Insulating Gloves (Natural Rubber)	Dielectric tests: withstand test (AC 50 Hz and upto 50kV only)	IEC 60903 (clause 5.6.1.4.3)
3	ELECTRICAL- SAFETY TESTING FACILITY	Electrical Insulating Gloves (Natural Rubber)	Electric tests: AC proof test and AC breakdown test (AC 50 Hz and upto 50kV only)	ASTM D120 (clause 11 & 18)
4	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Current cycle test resistance measurement	ANSI C119.0 (clause 3.2 & 5.1.9.3)
5	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Current cycle test, measurement	ANSI C119.4 (clause 6.3.1 & 6.3.1.6)
6	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Current cycle test, resistance	ANSI C119.5 (clause 6.3.2 & 4.3.2.1)
7	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Current cycling test	UL486A-486B (clause 7.2)
8	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Heat cycle test, electrical resistance measurement	AS/NSZ 4325.1 (clause 6.3 & 6.2.1)
9	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Heat cycle test, electrical resistance measurement	IEC-61238-1-3 (clause 6.3 & 6.2.2)
10	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Heat cycling test, electrical resistance measurement	BS EN IEC 61238-1-1 (clause 6.3 & 6.2.2)
11	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Heat cycling test, electrical resistance measurement	BS EN IEC 61238-1-2 (clause 6.3 & 6.2.2)



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12	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Heat cycling test, electrical resistance measurement	BS EN IEC 61238-1-3 + A11 (clause 6.3 & 6.2.2)
13	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Heat cycling test, electrical resistance measurement	IEC 61238-1-2 (clause 6.3 & 6.2.2)
14	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Short circuit test	IEC 61238-1-1 (clause 6.4)
15	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Short circuit test	IEC 61238-1-2 (clause 6.4)
16	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Short circuit test	IEC 61238-1-3 (clause 6.4)
17	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Short time current	UL 467 (clause 7.5)
18	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Static heating stability test	ANSI C119.0 (clause 5.2)
19	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Static heating stability test	ANSI C119.4 (clause 6.3.2)
20	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors / Copper & Aluminium	Current cycle test	ANSI C119.6 (clause 4.3.1)
21	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors/ Copper & Aluminium	Heat cycling test, electrical resistance measurement	IEC 61238-1-1 (clause 6.3 & 6.2.2)
22	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Copper & Aluminium	Static heating sequence test	UL486A-486B (clause 7.3)



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23	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Aluminium	Pull out test	ANSI C119.5
24	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Aluminium	Pull out test	ANSI C119.6
25	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Aluminium	Pull out test	BS EN IEC 61238-1- 3
26	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Aluminium	Pull out test	BS EN IEC 61238-1-1
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Aluminium	Pull out test	BS EN IEC 61238-1-2
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Aluminium	Pull out test	BS EN IEC 61238-1-3 +A11
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Aluminium	Pull out test	IEC 61238-1-1
30	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Aluminium	Pull out test	IEC 61238-1-2
31	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Aluminium	Pull out test	IEC 61238-1-3
32	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Aluminium	Pull out test	UL 486A-B
33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Aluminium	Secureness test	UL 486A-B
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper and Aluminium	Pull out test	ANSI C119.4
35	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper and Aluminium	Pull out test	AS/NZS 4325
36	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper and Aluminium	Pull out test	AS/NZS 4325.1



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37	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper and Aluminium	Pull out test, secureness test	UL 486A-B
38	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Tear resistance	IEC 60903
39	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber hand Gloves	Elongation at break	ASTMD 120
40	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Elongation at break	IEC 60903
41	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Extreme low temperature	IEC 60903
42	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Hardness	ASTMD 120
43	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber hand Gloves	Moisture absorption test	IEC 60903
44	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Oil resistance	IEC 60903
45	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Resistance to mechanical puncture	IEC 60903
46	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Tension set	IEC 60903
47	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Acid resistance	IEC 60903
48	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Ageing test	IEC 60903
49	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Low temperature test	IEC 60903
50	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Moisture absorption	ASTMD 120
51	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Puncture resistance	ASTMD 120
52	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Tensile strength	IEC 60903
53	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Tensile strength , Die C	ASTM D120
54	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Tensile stress @200%	ASTMD 120



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55	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Tension set @400%	ASTMD 120
56	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Thickness test	ASTM D120
57	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves	Thickness test	IEC 60903
58	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Hand Gloves Composite	Resistance to mechanical puncture	IEC 60903
59	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Resistance Test	Tear resistance	ASTMD 142



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**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

SAFARI CROSSING, HALOL, PANCH MAHALS, GUJARAT, INDIA

in the field of

TESTING

Certificate Number: TC-10829

Issue Date: 15/07/2022

Valid Until:

14/07/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : RAYCHEM-RPG PRIVATE LIMITED

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



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

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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



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RPG PRIVATE LIMITED**

has been assessed and accredited in accordance with the standard

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**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

GAT NO 426/2B, CHAKAN-TALEGAON ROAD, MAHALUNGE VILLAGE, TALUKA KHED, PUNE,
MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number: TC-5395

Issue Date: 16/04/2021

Valid Until: 15/04/2023

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(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : RAYCHEM- RPG PRIVATE LIMITED

Signed for and on behalf of NABL



**N. Venkateswaran
Chief Executive Officer**



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TRANSFORMER TESTING LABORATORY, RAYCHEM- RPG PRIVATE LIMITED, GAT NO 426/2B, CHAKAN-TALEGAON ROAD, MAHALUNGE VILLAGE, TALUKA KHED, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5395

Page No

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Validity

16/04/2021 to 15/04/2023

Last Amended on

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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- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	ACOUSTIC NOISE LEVEL	IEC 60076 (PART10)
2	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	HARMONICS OF NO-LOAD CURRENT	IEC 60076 (PART1)
3	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	IMPEDANCE (Principle Tapping)	IEC 60076 (PART1)
4	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	INDUCED OVER VOLTAGE TEST	IEC 60076 (PART3)
5	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	INSULATION RESISTANCE	IEC 60076 (PART1)
6	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	LIGHTNING IMPULSE TEST	IEC 60076 (PART3)
7	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	LOAD LOSS (Principle Tapping)	IEC 60076 (PART1)
8	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	MEASUREMENT OF CAPACITANCE	IEC 60076 (PART1)
9	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	MEASUREMENT OF TAN DELTA	IEC 60076 (PART1)
10	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	NO LOAD EXCITATION CURRENT	IEC 60076 (PART1)
11	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	NO LOAD LOSS	IEC 60076 (PART1)
12	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	PARTIAL DISCHARGE TEST	IEC 60076 (PART3)
13	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	SEPARATE SOURCE VOLTAGE WITHSTAND TEST	IEC 60076 (PART3)
14	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	TEMPERATURE RISE TEST	IS 2026 (PART2)
15	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	VOLTAGE RATIO & POLARITY TEST	IEC 60076 (PART1)
16	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	WINDING RESISTANCE TEST	IEC 60076 (PART1)
17	ELECTRICAL- INDUCTORS & TRANSFORMERS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	ZERO PHASE SEQUENCE IMPEDANCE	IEC 60076 (PART6)
18	ELECTRICAL- INSULATING MATERIALS & INSULATORS	(100 kVA to 60 MVA, Upto 132 kV TRANSFORMER)	OIL BREAKDOWN VOLTAGE TEST	IEC 60156