National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LEGION ENERGY PRODUCTS PRIVATE LIMITED - LABORATORY DIVISION, PLOT NO. 61, 62 & 63, OBADENAHALLI INDUSTRIAL AREA, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Armor rods	Electrical Resistance Test / Conductivity Test	IS 2121 (Part I)
2	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Earthwire tension clamp assembly / Mid span compression joints	Electrical Resistance Test	IS 2121 (Part 3)
3	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electric Connectors	Current Cycle Test	ANSI NEMA C119.0
4	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electric Power Connection for Substations (Connectors / Bus Supports)	Temperature Rise Test	ANSI/NEMA CC 1
5	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electric Power Connectors	Resistance test	IS 5561
6	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electric Power Connectors	Temperature rise test	IS 5561
7	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Connectors	Current Cycle Test	ANSI NEMA C119.0
8	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Flexible Copper Bond/ Earth Bond/ Flexible Aluminium Bond	Electrical Resistance Test	IS 398-1
9	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Metal Fitting of Insulators of Overhead Power Lines With Nominal Voltage Greater Than 1000 V (Tension Clamp / Anchor clamps / Jumper connections)	Electrical Resistance Test	IS 2486 (Part 1)
10	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Metal Fitting of Insulators of Overhead Power Lines With Nominal Voltage Greater Than 1000 V (Tension Clamp / Anchor clamps / Jumper connections / Non tension joints)	Heating cycle test	IS 2486 (Part 1)

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11	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Metal Fitting of Insulators of Overhead Power Lines With Nominal Voltage Greater Than 1000 V (Tension Clamp / Anchor clamps / Jumper connections / Non tension joints)	Heating Cycle Test	IS 2486 (Part 1)
12	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Mid-span Joints	Heating Cycle Test	IS 2121 (Part II)
13	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Mid-span Joints	Heating Cycle Test	IS 2121 (Part II)
14	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Mid-span joints and Repair sleeves	Electrical Resistance Test	IS 2121 (Part II)
15	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Non-tension joints	Heating cycle test	IS 2121 (Part 4)
16	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Non-tension joints	Heating Cycle Test	IS 2121 (Part 4)
17	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Tension joints and Tension Clamps / Partial tension fittings	Heat Cycle Test (Class A joints)	IEC 61284 (Cor. 01)
18	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Tension joints and Tension Clamps / Partial tension fittings	Heat cycle test (Class A Joints)	IEC 61284 (Cor.01)
19	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Tension joints and tension terminations / non-tension joints and T-connectors	Electrical heating cycle test	BS 3288-1
20	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Tension joints and tension terminations / non-tension joints and T-connectors	Electrical Heating Cycle Test	BS 3288-1
21	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Tension joints and tension terminations / non-tension joints and T-connectors / Repair sleeves	Resistance Test	BS 3288-1

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22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories and fixtures for self supporting metal free Arial optical fibre cables	Wrapping test	TEC 87060
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories and fixtures for self supporting metal free Arial optical fibre cables (Type 1 - Terminating Helix & Armoured Grip)	Slip Strength Test	TEC 87060
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories and fixtures for self supporting metal free Arial optical fibre cables (Type 1, Type II & Type III)	Visual Examination	TEC 87060
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories and fixtures for self supporting metal free Arial optical fibre cables (Type I & II - Metal fittings)	Tensile strength test	TEC 87060
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories and fixtures for self supporting metal free Arial optical fibre cables (Type I & II - Terminating fitting & Suspension Helix)	Resilience test	TEC 87060
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories and fixtures for self supporting metal free Arial optical fibre cables (Type I, Type II & Type III)	Verification of dimension	TEC 87060
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories and fixtures for self supporting metal free Arial optical fibre cables (Type III - Stainless steel strap and buckle)	Tensile strength test	TEC 87060
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories and fixtures for self supporting metal free Arial optical fibre cables - (Type III - Universal Pole Bracket)	Tensile Strength	TEC 87060
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories for Earthwire - Earthwire suspension clamp assembly	Slip Strength Test	IS 2121 (Part 3)
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories for Earthwire - Earthwire suspension clamp assembly / Earthwire tension clamp assembly	Mechanical Strength Test	IS 2121 (Part 3)
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories for Earthwire - Earthwire suspension clamp assembly / Earthwire tension clamp assembly / Flexible copper bond / Flexible Aluminium bond / Earthing bond / Midspan compression joints	Dimensional Verification	IS 2121 (Part 3)
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories for Earthwire - Earthwire suspension clamp assembly / Earthwire tension clamp assembly / Flexible copper bond / Flexible Aluminium bond / Earthing bond / Mid span compression joints	Visual examination	IS 2121 (Part 3)
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories for Earthwire - Earthwire tension clamp assembly	Slip Strength test	IS 2121 (Part 3)

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35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Accessories for Earthwire - Flexible copper bond / Earth bond	Slip strength test	IS 2121 (Part 3)
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Alloy rods	Ultimate strength test	IS 2121 (Part I)
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bundle spacer / Rigid spacer / Flexible spacer	Clamp Slip Test	PGCIL Technical Specification Section-VI A (Rev 1): 2021
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductor / Earthwire Suspension/Tension Clamp Assembly (dead-end assembly)	Slip Strength Test	PGCIL Technical Specification Section-VI A (Rev 1): 2021
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earthwire Accessories for Overhead Powerlines - Armour rods	Bend test	IS 2121 (Part I)
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earthwire Accessories for Overhead Powerlines - Armour rods	Resilient test	IS 2121 (Part I)
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earthwire Accessories for Overhead Powerlines - Armour rods	Slip strength test	IS 2121 (Part I)
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earthwire Accessories for Overhead Powerlines - Armour rods	Verification of dimensions	IS 2121 (Part I)
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earthwire Accessories for Overhead Powerlines - Armour rods	Visual examination	IS 2121 (Part I)
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earthwire Accessories for Overhead Powerlines - Mid-span joints and Repair sleeves	Dimensional Verification	IS 2121 (Part II)
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earthwire Accessories for Overhead Powerlines - Mid-span joints and Repair sleeves	Failing load test	IS 2121 (Part II)
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earthwire Accessories for Overhead Powerlines - Mid-span joints and Repair sleeves	Visual Examination	IS 2121 (Part II)
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earthwire Accessories for Overhead Powerlines - Non-tension joints	Mechanical Test / Tensile and slip test	IS 2121 (Part 4)
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earthwire Accessories for Overhead Powerlines - Non-tension joints	Verification of dimensions	IS 2121 (Part 4)

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49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earthwire Accessories for Overhead Powerlines - Non-tension joints	Visual examination	IS 2121 (Part 4)
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Earthwire Suspension/Tension Clamp Assembly	Mechanical Strength Test	PGCIL Technical Specification Section-VI A (Rev 1): 2021
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electric Power Connection for Substations (Connectors / Bus Supports)	Cantilever Strength of Bus Supports	ANSI/NEMA CC 1
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electric Power Connection for Substations (Connectors / Bus Supports)	Pullout Strength Tests	ANSI/NEMA CC 1
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electric Power Connection for Substations (Connectors / Bus Supports)	Torque Strength of Bolted Connectors	ANSI/NEMA CC 1
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electric Power Connectors	Cantilever strength test on bus support clamps and connectors	IS 5561
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electric Power Connectors	Dimensional check	IS 5561
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electric Power Connectors	Pull out strength test	IS 5561
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electric Power Connectors	Torque strength test of bolted connectors	IS 5561
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electric Power Connectors	Visual examination	IS 5561
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electrical Connectors	Bolt Tightening Test	ANSI NEMA C119.4
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electrical Connectors	Bolt Torque Test - Torque Strength Tets	ANSI NEMA C119.0
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electrical Connectors	Pul lout Strength	ANSI NEMA C119.0
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electrical control fittings	Mechanical type test	BS 3288-1

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63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Rockwell Hardness Test	IS 1586 (Part 1)
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test	IS 1586 (Part 1)
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle Spacer	Resilience Test	IS 10162 Amd. 01
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle spacer	Assembly torque test	IS 10162 Amd. 01
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle spacer	Assembly Torque Test	PGCIL Technical Specification Section-VI A (Rev 1): 2021
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle Spacer	Clamp bolt tightening test	IEC 61854
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle Spacer	Clamp Bolt Torque test	IS 10162 Amd. 01
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle Spacer	Clamp Slip (Torsional slip test)	IEC 61854
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle spacer	Clamp Slip Test	IS 10162 Amd. 01
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle spacer	Clamp slip test (Longi tudinal slip test)	IEC 61854
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle spacer	Compression and pull-off test	IS 10162 Amd. 01
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle Spacer	Flexibility test	IEC 61854
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle Spacer	Simulated short circuit current test / Compression and tension test	IEC 61854
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle spacer	Tensile Load test	IS 10162 Amd. 01

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77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle spacer	Verification of dimension	IEC 61854
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle spacer	Verification of dimensions	IS 10162 Amd. 01
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle spacer	Verification of Mass	IEC 61854
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle spacer	Visual examination	IEC 61854
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible / Rigid / Bundle spacer	Visual Examination	IS 10162 Amd. 01
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible Aluminium Bond	Slip Strength test	PGCIL Technical Specification Section-VI A (Rev 1): 2021
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flexible spacer	Movement test	IS 10162 Amd. 01
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HARDWARE FITTINGS & ACCESSORIES FOR CONDUCTOR & EARTH WIRE - Midspan Compression joint for conductor and earth wire	Failing load Test of Midspan compression joint for conductor/ earth wire & Repair sleeve for conductor	PGCIL Technical Specification Section-VI A (Rev 1): 2021
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HARDWARE FITTINGS & ACCESSORIES FOR CONDUCTOR & EARTH WIRE - Suspension/Tension Hardware Fittings except clamp	Mechanical Strength Test	PGCIL Technical Specification Section-VI A (Rev 1): 2021
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HARDWARE FITTINGS & ACCESSORIES FOR CONDUCTOR & EARTH WIRE - T-Connector for Conductor	Axial Tensile Load Test for Welded Portion	PGCIL Technical Specification Section-VI A (Rev 1): 2021
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Insulator set fittings and earth conductor fittings	Mechanical type test	BS 3288-1
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Insulator set fittings and earth conductor fittings / Tension joints and tension clamps / Non-tension joints / Suspension clamps / Electrical control fittings / Mechanical protective fittings	Verification of dimension	BS 3288-1
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Insulator set fittings and earth wire fittings / Suspension clamps / Tension joints and Tension Clamps / Insulator protective fittings	Mechanical test - Mechanical damage and failure load test / Vertical damage load and failure load test	IEC 61284 (Cor. 01)

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90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Insulator set fittings and earth wire fittings / Suspension clamps / Tension joints and Tension Clamps / Partial tension fittings / Repair sleeve / Insulator protective fittings	Dimensional Verification	IEC 61284 (Cor. 01)
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Insulator set fittings and earth wire fittings / Suspension clamps / Tension joints and Tension Clamps / Partial tension fittings / Repair sleeve / Insulator protective fittings	Visual examination	IEC 61284 (Cor. 1)
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Insulator set fittings and earth wire fittings / Tension joints and Tension Clamps	Damage and failure load test of the attachment point used during erection	IEC 61284 (Cor. 01)
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical protective fittings - Repair sleeves	Mechanical type test	BS 3288-1
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical protective fittings - Spacer	Clamp bolt tightening test	BS 3288-1
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Protective fittings - Spacer	Longitudinal slip test	BS 3288-1
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical protective fittings - Vibration damper	Clamp bolt tightening test	BS 3288-1
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical protective fittings - Vibration damper	Longitudinal slip test	BS 3288-1
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical protective fittings - Vibration damper	Mechanical type test of messenger wire fastening for vibration dampers	BS 3288-1
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal Fitting of Insulators of Overhead Power Lines With Nominal Voltage Greater Than 1000 V (Clamps / Insulator string fittings / non-tension components)	Ultimate strength test / Mechanical strength test	IS 2486 (Part 1)
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal Fitting of Insulators of Overhead Power Lines With Nominal Voltage Greater Than 1000 V (Clamps / Insulator string fittings / non-tension components)	Verification of dimensions	IS 2486 (Part 1)
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal Fitting of Insulators of Overhead Power Lines With Nominal Voltage Greater Than 1000 V (Clamps / Insulator string fittings / non-tension components)	Visual examination	IS 2486 (Part 1)
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal Fitting of Insulators of Overhead Power Lines With Nominal Voltage Greater Than 1000 V (Clamps)	Slip strength test	IS 2486 (Part 1)
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	IS 1608 : Part 1

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104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Tensile strength	IS 1608 : Part 1
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile strength test	IS 1608 : Part 1
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous metals, alloys & Products	Rockwell Hardness Test	IS 1586 (Part 1)
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-tension joints (joints other than T-joints & T-joints)	Mechanical type test on	BS 3288-1
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	OPGW Cable Associate Hardware Fittings - Structure mounting clamp	Strength Test	PGCIL Technical Specification (Section 3): 2021
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	OPGW Cable Associated Fittings - Grounding Clamp and structure mounting fit test	Mounting Fit test	PGCIL Technical Specification (Section 3): 2021
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	OPGW Cable Associated fittings - suspension assembly	Mechanical Strength test	PGCIL Technical Specification (Section 3): 2021
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	OPGW Cable Associated Hardware Fittings - Suspension Assembly	Clamp Slip Strength Test	PGCIL Technical Specification (Section 3): 2021
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	OPGW Cable Associated Hardware Fittings - Tension Clamp	Slip Strength Test	PGCIL Technical Specification (Section 3): 2021
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	OPGW Cable fittings - Tension assembly	Mechanical Strength test	PGCIL Technical Specification (Section 3): 2021
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splice Enclosures (Joint Box / FODP)	Dimensional Verification	PGCIL Technical Specification (Section 3): 2021
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splice Enclosures (Joint Box / FODP)	Visual examination	PGCIL Technical Specification (Section 3): 2021
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Wires	Ultimate Tensile Strength	IS 2121 (Part 1)
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Suspension Clamp	Clamp bolt tightening test	BS 3288-1

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118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Suspension Clamp	Conductor slip test	BS 3288-1
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Suspension clamp	Slip test	IEC 61284 (Cor. 01)
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Suspension clamp	Tensile test	BS 3288-1
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Suspension clamp / Tension joints and Tension clamps	Clamp bolt tightening test	IEC 61284 (Cor.01)
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tension joints and tension clamps	Clamp bolt tightening test	BS 3288-1
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tension joints and tension clamps (Tension clamps / Tension joints & Tension clamps / Wedge clamps / Factory formed helical tension terminations)	Mechanical type tests	BS 3288-1
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tension joints and Tension Clamps / Partial tension fittings / Repair sleeve	Mechanical Test - Tensile test	IEC 61284 (Cor. 01)
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration damper	Attachment of clamp to messenger cable test	IEC 61897
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration damper	Attachment of weights to messenger cable	IEC 61897
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration damper	Clamp bolt tightening test	IEC 61897
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration damper	Clamp Bolt Torque Test	IS 9708
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration damper	Clamp slip test	IEC 61897
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration Damper	Clamp slip test	IS 9708
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration damper	Mass pull off test	IS 9708

SCOPE OF ACCREDITATION

Laboratory Name : LEGION ENERGY PRODUCTS PRIVATE LIMITED - LABORATORY DIVISION, PLOT NO. 61, 62 & 63, OBADENAHALLI INDUSTRIAL AREA, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 01/04/2022 to 31/03/2024 **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
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration Damper	Movement test	PGCIL Technical Specification Section-VI A (Rev 1): 2021
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration damper	Verification of dimension	IEC 61897
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration damper	Verification of dimensions	IS 9708
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration damper	Verification of Mass	IEC 61897
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration damper	Visual examination	IEC 61897
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Vibration damper	Visual examination	IS 9708
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc Coated Articles	Adhesion Test	IS 2629 (Amd. 1 to 3)
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc coated articles	Coating thickness by magnetic method	ISO 2178
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc coated articles	Gravimetric determination of the mass per unit area (Mass of zinc coating)	ISO 1460
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc coated articles	Uniformity of coating	IS 2633
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc coated articles/components	Coating thickness by magnetic method	IS 3203
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc coated iron and steel articles	Mass of Zinc Coating	IS 6745 Amd No. 1 to 5
144	MECHANICAL- NOISE & VIBRATION	OPGW Cable Associate Hardware Fittings - Vibration damper	Damper Characteristics test	PGCIL Technical Specification (Section 3): 2021
145	MECHANICAL- NOISE & VIBRATION	OPGW Cable Associated Hardware Fittings - Vibration damper	Fatigue Test	PGCIL Technical Specification (Section 3): 2021

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

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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
146	MECHANICAL- NOISE & VIBRATION	Vibration damper	Damper fatigue test	IEC 61897
147	MECHANICAL- NOISE & VIBRATION	Vibration damper	Damper performance tests - Damper characteristic test	IEC 61897 Cl 7.11.2.1
148	MECHANICAL- NOISE & VIBRATION	Vibration damper	Dynamic Characteristics test	IS 9708
149	MECHANICAL- NOISE & VIBRATION	Vibration damper	Fatigue test	IS 9708
150	MECHANICAL- NOISE & VIBRATION	Vibration damper	Resonance frequency test	IS 9708
151	MECHANICAL- NOISE & VIBRATION	Vibration Damper for conductor and Earth wire	Dynamic Characteristics Test	PGCIL Technical Specification Section-VI A (Rev 1): 2021
152	MECHANICAL- NOISE & VIBRATION	Vibration Damper for conductor and Earth wire	Fatigue test	PGCIL Technical Specification Section-VI A (Rev 1): 2021