National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : STERLITE POWER TRANSMISSION LIMITED (POWER CABLE TESTING LAB), SECTOR-5, VIE, HARIDWAR, UTTARAKHAND, 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- CABLES & WIRES	Armour materials for Power Cables	Elongation at break of armouring materials	IS 10810 Part 37
2	ELECTRICAL- CABLES & WIRES	Armour materials for Power Cables	Elongation at break of armouring materials	IS 3975 Cl. 8.1
3	ELECTRICAL- CABLES & WIRES	Armour materials for Power Cables	Mass of Zinc coating on steel armour	IS 3975, IS 10810(P-41)
4	ELECTRICAL- CABLES & WIRES	Armour materials for Power Cables	Resistivity of Armour Wires & Strips	IS 10810 Part 42, Edition 1.1
5	ELECTRICAL- CABLES & WIRES	Armour materials for Power Cables	Resistivity of Armour Wires & Strips	IS 3975 Cl. 8.4
6	ELECTRICAL- CABLES & WIRES	Armour materials for Power Cables	Tensile strength of armouring materials	IS 10810 Part 37
7	ELECTRICAL- CABLES & WIRES	Armour materials for Power Cables	Tensile strength of armouring materials	IS 3975 Cl. 8.1
8	ELECTRICAL- CABLES & WIRES	Armour materials for Power Cables	Torsion test on galvanised steel wire for armouring	IS 10810 Part 38
9	ELECTRICAL- CABLES & WIRES	Armour materials for Power Cables	Torsion test on galvanised steel wire for armouring	IS 3975 Cl. 8.2
10	ELECTRICAL- CABLES & WIRES	Armour materials for Power Cables	Uniformity of Zinc coating on steel armour	IS 10810 Part 40
11	ELECTRICAL- CABLES & WIRES	Armour materials for Power Cables	Uniformity of Zinc coating on steel armour	IS 3975 Cl. 9.2
12	ELECTRICAL- CABLES & WIRES	Armour materials for Power Cables	Winding/Adhesion test on galvanised steel strip/wire for armouring	IS 10810 Part 39
13	ELECTRICAL- CABLES & WIRES	Armour materials for Power Cables	Winding/Adhesion test on galvanised steel strip/wire for armouring	IS 3975 Cl. 9.3
14	ELECTRICAL- CABLES & WIRES	Carbon Black content on PE sheath	Carbon Black content on PE sheath	IEC 60811-4-1, (Cl-11)
15	ELECTRICAL- CABLES & WIRES	Carbon Black content on PE sheath	Carbon Black content on PE sheath	IS 10810 (Part-32)
16	ELECTRICAL- CABLES & WIRES	Conductor Wire	Wrapping Test	IS 7098 Part 2 Cl. 19.1 (i) c
17	ELECTRICAL- CABLES & WIRES	Conductor Wire	Wrapping Test	IS 8130 Cl. No. 7.2.2

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18	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	UV Resistance Test on Outer Sheath	ASTM G 53
19	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for Elongation variation of Insulation	IEC 60502-2 Cl.19.2,19.6
20	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for Elongation variation of Insulation	IEC 60840 Cl.12.5.2, 12.5.3
21	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for Elongation variation of Insulation	IEC 62067 Cl.12.5.2,12.5.3
22	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for Elongation variation of Insulation	IS 7098 P-2,Cl.19.1 iii-b & vi-b
23	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for Elongation variation of Insulation	IS 7098 P-3 Cl. 19.1 b iii & g ii & 3 ii
24	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for Elongation variation of Sheath	IEC 60502-2 Cl.19.5,19.6
25	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for Elongation variation of Sheath	IEC 60840 Cl.12.5.2,12.5.3
26	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for Elongation variation of Sheath	IEC 62067 Cl.12.5.2,12.5.3
27	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for Elongation variation of Sheath	IS 7098 P-2 Cl. 19.1 iii-b & vi-b
28	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for Elongation variation of Sheath	IS 7098 P-3 Cl. 19.1 iii-b & g ii & 3 ii)
29	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for T.S variation of Insulation	IEC 60840 Cl.12.5.2, 12.5.3
30	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for T.S variation of Insulation	IS 7098 Part 3 Cl.19.1 b iii & g ii & 3 ii)
31	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for T.S variation of Sheat	IS 7098 P-3 Cl. 19.1 iii-b & g ii & 3 ii)
32	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for T.S variation of Sheath	IEC 60502-2 Cl.19.5,19.6
33	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for T.S variation of Sheath	IEC 60840 Cl.12.5.2,12.5.3
34	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for T.S variation of Sheath	IEC 62067 Cl.12.5.2,12.5.3
35	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for T.S variation of Sheath	IS 7098 P-2 Cl. 19.1 iii-b & vi-b
36	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for TS variation of Insulation	IEC 60502-2 Cl.19.5,19.6

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37	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for TS variation of Insulation	IEC 62067 Cl.12.5.2, 12.5.3
38	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Ageing Test for TS variation of Insulation	IS 7098 Part 2 Cl.19.1 iii b & vi b
39	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Annealing of Cu (% Elongation at break)	IS 10810 (Part-1)
40	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Annealing of Cu(% Elongation at break)	IS 8130 Cl. 7.1.2
41	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Bending test	IEC 60502-2 Cl.18.2.4
42	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Bending test	IEC 60840 Cl.12.4.3
43	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Bending test	IEC 62067 Cl.12.4.3
44	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Bending test	IS 7098 Part 2 Cl.20.3
45	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Bending test	IS 7098 Part 3 Cl.20.11
46	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Capacitance test	IEC 60840 Cl. 10.10
47	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Capacitance Test	IEC 62067 Cl. 10.10
48	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Capacitance Test	IS 7098 (Part-3)Cl. 20.12
49	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Cold impact	IEC 60840 Cl.12.5.7
50	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Cold impact	IEC 62067 Cl.12.5.7
51	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Cold impact	IS 7098 Part 2 Cl.19.4
52	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Cold impact	IS 7098 Part 3 Cl.19.4
53	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	DC Voltage Test	IEC 60229 Cl.3.1
54	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	DC Voltage Test	IEC 60840 Cl.9.4
55	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	DC Voltage Test	IEC 62067 Cl.9.4

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56	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Electrical Resistance of Conductor	IEC 60840 Cl.10.5
57	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Electrical Resistance of Conductor	IEC 62067 Cl.10.5
58	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Electrical Resistance of Conductor	IEC 62067- Cl.10.5
59	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Electrical Resistance of Conductor	IS 7098 Part 3
60	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Elongation of insulation	IEC 60502-2 Cl. 19.5,19.6
61	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Elongation of insulation	IEC 60840 Cl.12.5.2
62	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Elongation of insulation	IS 7098 Part 2 Cl.19.1 iii a vi a
63	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Elongation of insulation	IS 7098 Part 3 Cl.19.1 b ii g i)
64	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Elongation of sheath	IEC 60502-2 Cl.19.5,19.6
65	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Elongation of sheath	IEC 60840 Cl.12.5.2
66	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Elongation of sheath	IS 7098 Part 2 Cl.19.1 iii a vi a
67	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Elongation of sheath	IS 7098 Part 3 Cl.19.1 b ii g i
68	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Flammability Test	IEC 60332-1
69	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Flammability Test	IEC 60332-3
70	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Flammability Test	IS 10810 Part 53
71	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Flammability Test	IS 10810 Part-62
72	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Flammability Test	IS 7098 Part 2 Cl.19.1 xv, 20.8 & 20.12
73	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Flammability Test	IS 7098 Part 3 Cl.19.1 h
74	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	HCl gas generation	IEC 60754 1 & 2

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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
75	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Heat shock	IEC 60502-2 Cl.19.9
76	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Heat shock	IEC 60840 Cl.12.5.8
77	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Heat shock	IEC 62067 Cl.12.5.8
78	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Heat shock	IS 5831 Cl.4.1
79	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Heat shock	IS 7098 Part 2 Cl.19.1 vi f
80	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Heat shock	IS 7098 Part 3 Cl.19.1 g iv
81	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	High Voltage	IEC 60502-2 Cl.16.4
82	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	High Voltage	IEC 60840 Cl.9.3
83	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	High Voltage	IEC 62067 Cl.9.3
84	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	High Voltage	IS 7098 Part 2
85	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	High Voltage	IS 7098 Part 3
86	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Hot deformation	IEC 60502-2 Cl.19.9
87	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Hot deformation	IEC 60840 Cl.12.5.6
88	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Hot deformation	IEC 62067 Cl.12.5.6
89	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Hot deformation	IS 7098 Part 2 Cl.19.1 vi d
90	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Hot deformation	IS 7098 Part 3 Cl.19.1 g 2 v,g 3
91	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Hot Set test	IEC 60502-2 Cl.19.13
92	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Hot Set test	IEC 60840 Cl.12.5 j
93	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Hot Set test	IEC 62067 Cl.10.9

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94	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Hot Set test	IS 7098 Part 2 Cl.19.1 iii d
95	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Hot Set test	IS 7098 Part 3 Cl.19.1 b iv
96	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Impulse withstand test	IEC 62067 Cl.10.12, 12.4.7
97	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Impulse withstand test	IEC 62067 Cl.10.12,12.4.7
98	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Impulse withstand test	IS 7098 Part 2 Cl.20.6
99	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Impulse withstand test	IS 7098 Part 3 Cl.20.15
100	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Impulse withstand test	IEC 60502-2 Cl.18.2.8
101	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Load Cycle test	IEC 60502-2 Cl.18.2.7
102	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Load Cycle test	IEC 60840 Cl.12.4.6
103	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Load Cycle test	IEC 62067 Cl.12.4.6
104	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Load Cycle test	IS 7098 Part 2 Cl.20.5
105	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Load Cycle test	IS 7098 Part 3 Cl.20.14
106	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Loss of mass	IEC 60502-2 Cl.19.8
107	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Loss of mass	IEC 60840 Cl.12.5.5
108	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Loss of mass	IEC 62067 Cl.12.5.5
109	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Loss of mass	IS 7098 Part 2 Cl.19.1 vi e)
110	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Loss of mass	IS 7098 Part 3 Cl.19.1 g 2 iii)
111	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Measurement of Resistivity of Conductor and Insulation screen	IEC -62895 (Cl-12.4.7.2)

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112	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Measurement of Resistivity of Conductor and Insulation screen	IS 7098 (Part-2), Cl.20.9
113	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Measurement of Resistivity of Conductor and Insulation screen	IS 7098 (Part-3) (Cl.20.2.)
114	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Oxygen Index	ASTM D2863
115	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Oxygen Index	IS 10810 Part 58
116	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Oxygen Index	IS 7098 Part 2 Cl.20.10
117	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Partial Discharge	IEC 60502-2 Cl.18
118	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Partial Discharge	IEC 60840 Cl.9.2
119	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Partial Discharge	IEC 62067 Cl.9.2
120	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Partial Discharge	IS 7098 Part 2 Cl.9.2
121	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Partial Discharge	IS 7098 Part 3
122	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Permanent Set test	IEC 60502-2 Cl.19.13
123	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Permanent Set test	IEC 60840 Cl.12.5 j
124	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Permanent Set test	IEC 62067 Cl.10.9
125	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Permanent Set test	IS 7098 Part 2 Cl.19.1 iii d
126	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Permanent Set test	IS 7098 Part 3 Cl.19.1 b iv)
127	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Shrinkage test for Insulation	IEC 60502-2 Cl.19.22
128	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Shrinkage test for Insulation	IEC 60840 Cl.12.5.16, 12.5.17
129	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Shrinkage test for Insulation	IS 7098 Part 2 Cl.19.1 iii)e & vi)c

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130	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Shrinkage test for Insulation	IS 7098 Part 3 Cl.19.1 b v & g vi)
131	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Shrinkage test for Sheath	IS 7098 P-3 Cl. 19.1 b v & g vi
132	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Shrinkage test for Sheath	IEC 60502-2 Cl.19.22
133	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Shrinkage test for Sheath	IEC 60840 Cl.12.5.16, 12.5.17
134	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Shrinkage test for Sheath	IS 7098 P-2 Cl. 19.1 iii e & vi c
135	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Smoke density	ASTM D 2843
136	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Smoke density	IS 7098 Part 2 Cl.20.14
137	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tan Delta/Dielectric Power Factor	IEC 60502-2 Cl.18.2.6
138	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tan Delta/Dielectric Power Factor	IEC 60840 Cl.12.4.5
139	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tan Delta/Dielectric Power Factor	IEC 62067 Cl.12.4.5
140	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tan Delta/Dielectric Power Factor	IS 7098 Part 2 Cl.20.4
141	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tan Delta/Dielectric Power Factor	IS 7098 Part 3 Cl.20.13
142	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Temperature Index	IS 10810 Part 64
143	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Temperature Index	IS 7098 Part 2 Cl.20.15
144	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tensile strength of insulation	IEC 60502-2 Cl.19.5,19.6
145	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tensile strength of insulation	IEC 60840 Cl.12.5.2
146	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tensile strength of insulation	IS 7098 Part 2 Cl.19.1 iii a & vi a)
147	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tensile strength of insulation	IS 7098 Part 3 Cl. 19.1 b ii g i)
148	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tensile strength of sheath	IEC 60502-2 Cl.19.5,19.6

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Validity 25/04/2023 to 24/04/2025 **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
149	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tensile strength of sheath	IEC 60840 Cl.12.5.2
150	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tensile strength of sheath	IS 7098 Part 2 Cl.19.1 iii a & vi a
151	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Tensile strength of sheath	IS 7098 Part 3 Cl.19.1 b ii g i)
152	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thermal ageing test for complete cable	IEC 60502-2 Cl. 19.7
153	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thermal ageing test for complete cable	IS 7098 Part 2 Cl.19.1 vii
154	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thermal ageing test for complete cable	IS 7098 Part 3 Cl.20.9
155	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thermal stability	IS 7098 Part 2 Cl.19.1 6 g
156	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thermal stability	IS 7098 Part 3 Cl.19.1 g 2 vii
157	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thickness of Insulation	IEC 60502-1Cl. 18.1,18.2
158	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thickness of Insulation	IEC 60840 Cl. 12.5 1
159	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thickness of Insulation	IS 7098 Part 2 Cl.19.1 (iv) & 12.4
160	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thickness of Insulation	IS 7098 Part 3 Cl. 19.1 b (i) & g 1
161	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thickness of sheath	IEC 60502-1 Cl.18.1,18.2
162	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thickness of sheath	IEC 60840 Cl. 12.5.1
163	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thickness of sheath	IS 7098 Part 2 Cl. 19.1 iv & 12.4
164	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Thickness of sheath	IS 7098 Part 3 Cl. 19.1 b i & g 1
165	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Volume Resistivity at 90°C	IS 7098 P-2 Cl.19.1 xi
166	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Volume resistivity test @27°C	IS 7098 Part 2 Cl.19.1 xv,20.8 & 20.12
167	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Water absorption test (Gravimetric)	IEC 60502-2 Cl.19.15

SCOPE OF ACCREDITATION

Laboratory Name :	STERLITE POWER TRANSMISSION LIMITED (POWER CABLE TESTING LAB), SECTOR-5, VIE, HARIDWAR, UTTARAKHAND, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
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168	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Water absorption test (Gravimetric)	IS 7098 Part 2 Cl.19.1 iii f
169	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Water Penetration Test	IEC 60502-2 Cl.19.24
170	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Water Penetration Test	IEC 60840 Cl.12.5.14
171	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Water Penetration Test	IEC 62067 Cl.12.5.14
172	ELECTRICAL- CABLES & WIRES	EHV/MV Cables up to 220 kV	Water Penetration Test	IS 7098 Part 3 Cl.20.8