National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL POWER RESEARCH INSTITUTE, PROF SIR C V RAMAN ROAD, BENGALURU, KARNATAKA, INDIA

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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1	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Paint	Lead content in Paint	(Withdrawn) ASTM E 1613-12 / ASTM E3203-21 / ASTM E 1645-2021
2	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Oxidation Stability Total Acidity Total Sludge	ASTM D 2440-13-2021
3	CHEMICAL- LUBRICANTS	Transformer oil	Ageing Characteristics Total sludge	IS 335: 2018, ASTM D 1934-2020
4	CHEMICAL- LUBRICANTS	Inhibited & Uninhibited Mineral Insulating oil, Turbine oil and Hydraulic Oil Gear Oil	Density	IS1866:2017 IEC60422:2013 / IS1448(Part 16):2014/ IS335:2018 IEC60296: 2020 / ISO 3675:1998 / ASTM D 1298:12b-2017
5	CHEMICAL- LUBRICANTS	Inhibited & Uninhibited Mineral Insulating oil, Turbine oil and Hydraulic Oil Gear Oil	Kinematic viscosity	ASTM D445:2021 / ISO3104:2020 / IS335:2018 IEC 60296: 2020 / IS1866:2017 IEC 60422:2013 IS 1448 (part-25) RA-2018
6	CHEMICAL- LUBRICANTS	Inhibited & Uninhibited Mineral Insulating oil, Turbine oil and Hydraulic Oil Gear Oil	Neutralisation value	IEC 62021-2:2007 / ASTMD-974:2021 / IS335:2018 IEC 60296: 2020 / IS 1866:2017 IEC60422:2013 / IS1448 (Part 2):2007 (RA 2018) / ISO 6619: 1988 / IEC 62021-1:2003/ ASTM D 664:2018
7	CHEMICAL- LUBRICANTS	Inhibited & Uninhibited Mineral Insulating oil, Turbine oil, Hydraulic Oil and Gear Oil	Pour Point	IS335:2018 IEC60296: 2020 IS1866:2017 IEC60422: 2013 / IS 1448 (Part 10-Sec.2):2021, ISO 3016:2019, ASTM D97-2017
8	CHEMICAL- LUBRICANTS	Inhibited & Uninhibited Mineral Insulating oil, Turbine oil, Hydraulic Oil and Gear Oil	Appearance	IS335:2018 IEC60296: 2020 / IS1866 :2017 IEC60422:2013 / ASTM D 4176-2021
9	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Presence of Oxidation Inhibitor Phenolic Type Oxidation inhibitor	ASTM D 2668-07-2021
10	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Gassing Tendency	IS335:2018 IEC60296: 2020 / IEC 60628:1985 Method A / IS12475(Part1):1988 RA-2018

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11	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	2 Furfural and related compounds	IS335:2018 IEC60296: 2020 / IS1866:2017 IEC60422:2013 / IS:15668:2006 (RA2021)/ ASTM D5837:2015, IEC 61198-1993
12	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Ageing characteristics Total Sludge	IS : 12177-1987 Method A: RA-2018
13	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Ageing characteristics Total Acidity	IS 12177-1987 Method A: RA-2018
14	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Carbon Type (PNA) Analysis - CA	IS 13155:1991 (RA2021) IEC60590:1977 / ASTM D2140-08:2017
15	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Carbon Type (PNA) Analysis - CN	IS 13155:1991 (RA2021) IEC60590:1977/ ASTM D2140-08-2017
16	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Carbon Type (PNA) Analysis - CP	IS 13155:1991 (RA2021) IEC60590:1977 / ASTM D2140-08-2017
17	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Corrosive Sulphur	IS335:2018 IEC60296: 2020/DIN 51353:1985/ ASTM D 1275: 2015/ IEC 62535-2008
18	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Dissolved Gas Analysis / Gas Content TPCG TGC	IS 9434:2019, IEC 60567:2011, IS10593:2018, IEC 60599-2015
19	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Dissolved Gas Analysis / Gas Content Ethane	IS 9434: 2019 IEC 60567:2011/ IS 10593:2018/ IEC 60599-2015
20	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Dissolved Gas Analysis / Gas Content Hydrogen	IS 9434: 2019 IEC 60567:2011 / IS 10593:2018 / IEC 60599-2015
21	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Dissolved Gas Analysis / Gas Content Nitrogen	IS 9434: 2019 IEC 60567:2011 / IS 10593:2018 / IEC 60599-2015
22	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Dissolved Gas Analysis / Gas Content Acetylene	IS 9434: 2019 IEC 60567:2011 / IS 10593:2018 / IEC 60599-2015
23	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Dissolved Gas Analysis / Gas Content Carbon Dioxide	IS 9434: 2019 IEC 60567:2011 / IS 10593:2018 / IEC 60599-2015
24	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Dissolved Gas Analysis / Gas Content Carbon Monoxide	IS 9434: 2019 IEC 60567:2011 / IS 10593:2018 / IEC 60599:2015

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25	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Dissolved Gas Analysis / Gas Content Ethylene	IS 9434: 2019 IEC 60567:2011 / IS 10593:2018 / IEC 60599:2015
26	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Dissolved Gas Analysis / Gas Content Methane	IS 9434: 2019 IEC 60567:2011 / IS 10593:2018 / IEC 60599-2015
27	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Dissolved Gas Analysis / Gas Content Oxygen	IS 9434: 2019 IEC 60567:2011 / IS 10593:2018 / IEC 60599-2015
28	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Flash Point	IS335:2018 IEC60296: 2020 / IS1866 :2017 IEC60422:2013 / IS : 1448: Part 21 :2019 / ISO 2719: 2016 (AMD 2021) / ASTM D 93-2020
29	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Interfacial Tension	IS335:2018 IEC60296: 2020 IS1866 :2017 IEC60422:2013 / IS :6104:1971 (RA 2021) / ASTM D 971-2020
30	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Oxidation Stability Total Acidity Total Sludge DDF@90 deg. C	IS335:2018 IEC60296: 2020/IS 12422-2017
31	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Oxidation Stability Total Acidity Total Sludge DDF@90deg.C	IS335:2018 IEC60296: 2020/IEC 61125-2018
32	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Oxidation Stability Total Sludge	IS335:2018 IEC60296:2020 / IS1866:2017 IEC60422:2013 / ASTM D 2440-13-2021
33	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Oxidation Stability: Total Acidity	IS 335-2018
34	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	PCA Content	IS335:2018 IEC60296: 2020/IP 346: 1992 RA-2004
35	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	PCB Content	IS335:2018 IEC60296: 2020 / IEC 61619:1997 / IS16082:2013 (RA2018) / ASTMD 4059-00-2018
36	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Potentially corrosive sulphur	IS335:2018 IEC60296: 2020 IS1866:2017 IEC60422: 2013 / IS16310:2017 / IEC 62535-2008
37	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Presence of Oxidation Inhibitor (DBPC only)	IS335:2018 IEC60296: 2020 IS1866:2017 IEC60422: 2013 / IS 13631:2017 / IEC 60666-2010

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38	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Sediment & Sludge	IS 1866:2017 IEC 60422:2013 / IEC 61125 -2018
39	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Total Sulphur Content	IS335:2018 IEC60296: 2020 / ISO 14596-2007
40	CHEMICAL- LUBRICANTS	Inhibited and Uninhibited mineral insulating oil	Water Content by KF Coulometric method	IS335:2018 IEC60296: 2020 IS1866 :2017 IEC60422:2013 / IS 13567:2018 / IEC 60814:1997 / ASTM D 6304-2020
41	CHEMICAL- LUBRICANTS	Insulating oil and lubricating oil	Particle sizing and counting	IS335:2018 IEC60296: 2020 / ISO 4406:2017 / ISO 4402:1991 / IEC 60970:2007 / (withdrawn) NAS1638 IS 13236:13 RA-2018
42	CHEMICAL- LUBRICANTS	Transformer oil	DBDS	IS335:2018 / IS 16497 (Part 1):2017 / IEC60296: 2013 IS1866:2017 IEC60422:2013 / IEC 62697-1-2012
43	CHEMICAL- LUBRICANTS	Transformer oil	Metal Passivator Additives	IS 13631: 2017 / 1866:2017 IEC60422:2013 IS 335:2018 / IEC60296: 2020, Annex. B, IEC 60666-2010
44	CHEMICAL- LUBRICANTS	Turbine Oil Hydraulic Oil Gear Oil	Trace Sediment	ASTM D 2273:08-2016
45	CHEMICAL- LUBRICANTS	Turbine Oil Hydraulic Oil Gear Oil	Copper strip corrosion	ASTM D 130:19 IS 1448 : Part 15 : 2004(RA2021) / ISO 21600-1998
46	CHEMICAL- LUBRICANTS	Turbine Oil Hydraulic Oil Gear Oil	Flash and Fire Point	IS 1448 : Part 69: 2019 / ISO 2592 : 2017 / ASTM D 92-2018
47	CHEMICAL- LUBRICANTS	Turbine Oil Hydraulic Oil Gear Oil	Rust prevention characteristics	ASTM D 665:2019
48	CHEMICAL- LUBRICANTS	Turbine Oil Hydraulic Oil Gear Oil	Rust prevention characteristics	IS 1448: Part 96-2019 / ISO 7120:1987 / ASTM D 665-2019
49	CHEMICAL- LUBRICANTS	Turbine Oil Hydraulic Oil Gear Oil	Viscosity Index	IS1448 (Part 56):2013 (RA2018) / ASTM D 2270:10 (2016) / ISO 2909:2002
50	CHEMICAL- LUBRICANTS	Turbine Oil Hydraulic Oil Gear Oil	Demulsibility / Emulsion Characteristics	ASTM D 2711-2017
51	CHEMICAL- LUBRICANTS	Turbine Oil Hydraulic Oil Gear Oil	Foaming Characteristics	IS1448: Part 67 :2020 ASTM D 892-2018
52	CHEMICAL- LUBRICANTS	Turbine Oil Hydraulic Oil Gear Oil	Water Separability	IS 1448: Part 91 :2019 / ASTM D 1401:2021

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53	CHEMICAL- LUBRICANTS	Turbine Oil Hydraulic Oil Gear Oil, Insulating oil	Colour	ASTM D 1500:12 (2017) / ASTM D 156:15/ ISO 2049-1996
54	CHEMICAL- LUBRICANTS	Turbine oil & Hydraulic Oil	Cleanliness by Gravimetric analysis	ASTM D 4898:2016
55	CHEMICAL- LUBRICANTS	Turbine oil & Hydraulic oil	Pentane insoluble	ASTM D 893:14-2018
56	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon by difference	ASTM D 7582-2015
57	CHEMICAL- SOLID FUELS	Coal	Ash Content	IS1350 Part 1
58	CHEMICAL- SOLID FUELS	Coal	c) Ash Content	ASTM D 7582
59	CHEMICAL- SOLID FUELS	Coal	Carbon	ASTM D 5373
60	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	IS 1350 (Part 2) : 2022 ISO 1928 : 2020 / ASTM D 5865 D 5865M-2019
61	CHEMICAL- SOLID FUELS	Coal	Hydrogen	ASTM D 5373
62	CHEMICAL- SOLID FUELS	Coal	Moisture (60% RH and 40*C)	IS 1350: Part-1: Cl.6.7.1 and Cl 6.2.3
63	CHEMICAL- SOLID FUELS	Coal	Moisture Content	ASTM D 7582
64	CHEMICAL- SOLID FUELS	Coal	Nitrogen	ASTM D 5373
65	CHEMICAL- SOLID FUELS	Coal	Sulphur	ASTM D 4239
66	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	ASTM D 7582
67	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases, HFFR cables for working voltages upto and including 1100 Volts	Persulphate test	Table 3, Sl.No.2, IS 17293-2020 / Table 9, (i)(c) , IS 17505(Part-I)-2021 / Table 2 Cl. II c(iii), Cl.III a(iii) of IS 17048:2018 / IS 10810 Part 4 : 1984
68	ELECTRICAL- CABLES & WIRES	Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases Method for Assessment of fire Integrity of large diameter power cables for use as components for smoke and heat control systems and certain other active fire safety systems	Circuit Integrity test under fire with water and mechanical shock	Table 9, Sl.No. (viii), IS 17505(Part-I)-2021 / BS 8491 : 2020
69	ELECTRICAL- CABLES & WIRES	Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases , HFFR cables for working voltages upto and including 1100 Volts	Annealing test	Table 9, (i),IS 17505(Part I)-2021 / Cl.5,Table 2 of IS 17048 : 2018
70	ELECTRICAL- CABLES & WIRES	AC Cable terminations 2.5 kV to 765 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.8, IEEE Std-48 : 2009
71	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases , HFFR cables for working voltages upto and including 1100 Volts	Flammability test, Test for vertical flame propagation on complete cable	Table 3, 14, IS-17293-2020 / Table 9,(vii), IS 17505-2021 / Cl. 5, Table 2 of IS 17048 : 2018

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72	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Capacitance Measurement	Cl.24, IS 692, 1994, RA : 2020
73	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Tan Delta Measurement	Cl.19, IS 7098 (part 2) , 2011, RA : 2016
74	ELECTRICAL- CABLES & WIRES	AC Cable terminations 2.5 kV to 765 kV	Load cycle test	Cl.8, IEEE Std-48 : 2009
75	ELECTRICAL- CABLES & WIRES	AC Cable terminations 2.5 kV to 765 kV	Load cycle test	Cl.8, IEEE Std-48 : 2009
76	ELECTRICAL- CABLES & WIRES	AC Cable terminations 2.5 kV to 765 kV	Partial discharge Test	Cl.8, IEEE Std-48 : 2009
77	ELECTRICAL- CABLES & WIRES	AC Cable terminations 2.5 kV to 765 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.8, IEEE Std-48 : 2009
78	ELECTRICAL- CABLES & WIRES	Accessories For cables with rated voltage from 6 kV up to 30 kV	Impulse withstand Test	Cl.18, IEC 60502-4 : 2010
79	ELECTRICAL- CABLES & WIRES	Accessories For cables with rated voltage from 6 kV up to 30 kV	Electrical Heat cycle Test /Load Cycle Test	Table, 5,6,7 , IEC 60502-4 : 2010
80	ELECTRICAL- CABLES & WIRES	Accessories For cables with rated voltage from 6 kV up to 30 kV	DC withstand Test	Table 5, 6,7, IEC 60502 part 4 : 2010
81	ELECTRICAL- CABLES & WIRES	Accessories For cables with rated voltage from 6 kV up to 30 kV	Electrical Heat cycle Test /Load Cycle Test	Table 5, 6,7, IEC 60502-4 : 2010
82	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages from 3.3kV (UE) to up to and including 33 kV	AC High Voltage Test under the influence of Humidity , under the influence of salt fog	CENELEC HD 629-1 S3 2019 / CENELEC HD 629.1 S2 2006 / IS 13573, Part 1, 2 & 3:
83	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Conductor Resistance test	IS 13573, Part 1, 2 & 3, 2011, RA : 2016
84	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Partial discharge Test	IS 13573-part 2, 2011, RA: 2016
85	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Power frequency withstand test	IS 13573, Part 1, 2 & 3, 2011, RA : 2016
86	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Power frequency withstand test	IS 13573, Part 1, 2 & 3, 2011, RA: 2016
87	ELECTRICAL- CABLES & WIRES	Accessories for Extruded power Cables- for working voltages from 3.3kV (UE) to up to and including 33 kV(E)	Impulse withstand Test	IS 13573 part 2 & 3, 2011 / IS 13705 -93, 2011, RA : 2016
88	ELECTRICAL- CABLES & WIRES	Accessories for Power Cables from 3.6/6 kV up to 20.8/36 kV	Power Frequency Withstand Test/ Dielectric strength	(Table 5,6 &7) IEC 60502 Part 4 : 2010

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89	ELECTRICAL- CABLES & WIRES	Accessories for Power Cables from 3.6/6 kV up to 20.8/36 kV	Power Frequency Withstand Test/ Dielectric strength	(Table 5,6 &7) IEC 60502 Part 4 : 2010
90	ELECTRICAL- CABLES & WIRES	Accessories for power cables with rated voltages from 3.6/6 kV up to and including 20.8/36 kV	Impulse withstand Test/	CENELEC HD 629.1 S3-2019 / CENELEC HD 629.1 S2 2006 / VDE -0278-442 : 2006
91	ELECTRICAL- CABLES & WIRES	Accessories for power cables with rated voltages from 3.6/6 kV up to and including 20.8/36 kV	DC withstand Test	VDE -0278-442 : 2006
92	ELECTRICAL- CABLES & WIRES	Accessories for power cables with rated voltages from 3.6/6 kV up to and including 20.8/36 kV	Partial discharge Test	DIN EN 61442-2005 / CENELEC HD 629-1 S3-2019 / CENELEC HD 629.1.S2.2006 / VDE -0278-442 : 2005
93	ELECTRICAL- CABLES & WIRES	Accessories for use on power cables of rated voltage from 3.6/6(7.2) kV up to 20.8/36(42) kV	Partial discharge Test	DIN VDE 0278-629-1 : 2006
94	ELECTRICAL- CABLES & WIRES	acidity by measuring pH and Conductivity	Halogen Acid Test	IEC 60754-2 :2011, Am 1 :2019
95	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100 Volts	Ageing in air oven	Cl.19, IS 14255, 1995, RA : 2020
96	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100 Volts	Carbon Black content test	Cl.10, IS 14255, 1995, RA : 2020
97	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100 Volts	Hot Set Test	Cl.10, IS 14255, 1995, RA : 2020
98	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100 Volts	Mechanical test Tensile strength test	Cl.10, IS 14255 , 1995, RA : 2020
99	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100 Volts	Shrinkage test	Cl.10, IS 14255 : 1995
100	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables - For working voltages up to and including 1100 Volts	Test for Resistance to cracking	Cl.10, IS 14255, 1995, RA : 2020
101	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables – for working voltages up to and including 1100 Volts	Conductor Resistance test	Cl.10, IS 14255 : 1995, RA : 2020
102	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables – For working voltages up to and including 1100 Volts	Elongation at break	Cl.10, IS 14255 : 1995, RA 2020
103	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables – For working voltages up to and including 1100 Volts	Power frequency withstand test	Cl.10, IS 14255 : 1995, RA : 2020
104	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables – For working voltages up to and including 1100 Volts	Power frequency withstand test	Cl.10, IS 14255 : 1995, RA : 2020
105	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables – For working voltages up to and including 1100 Volts	Volume Resistivity test/ Insulation Resistance Test	Cl.10, IS 14255 : 1995, RA : 2020
106	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables – For working voltages up to and including 1100V	Thickness and dimension test	Cl.10, IS 14255 : 1995, RA : 2020

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107	ELECTRICAL- CABLES & WIRES	Armoured cables with thermoseting insulation for ratd voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Halogen acid test	Cl.16, BS 7835 : 2007
108	ELECTRICAL- CABLES & WIRES	Armoured cables with thermoseting insulation for ratd voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Smoke Emission test	Cl.16, BS 7835 : 2007
109	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Ageing in Air oven	Cl.15, BS 6622 : 2007
110	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Bending Test	Cl.15, BS 6622 : 2007
111	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Breaking Strength test	Cl.15, BS 6622 : 2007
112	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Capacitance Measurement	Cl.15, BS 6622 : 2007
113	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Cold Bend test	Cl.15, BS 6622 : 2007
114	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Cold Elongation test	Cl.15, BS 6622 : 2007
115	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Conditioning Test	Cl.15, BS 6622 : 2007
116	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Conductor Resistance test	Cl.17, BS 6622 : 2007
117	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Dimension of Armour Material	Cl.15, BS 6622 : 2007
118	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Electrical Heat Cycle test	Cl.15, BS 6622 : 2007
119	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Elongation at break	Cl.15, BS 6622 : 2007
120	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Flame Retardance test (Flammability test)	Cl.15, BS 6622 : 2007
121	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl.15, BS 6622 : 2007
122	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Heat Shock test / Resistance to cracking	Cl.15, BS 6622 : 2007
123	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Hot Set test	Cl.15, BS 6622 : 2007
124	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Impulse withstand Test	Cl.15, BS 6622 : 2007

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125	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Insulation Resistance test/ Volume Resistivity Test	Cl.15, BS 6622 : 2007
126	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Loss of mass test	Cl.15, BS 6622 : 2007
127	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Mechanical test Cold Impact test	Cl.15, BS 6622 : 2007
128	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Mechanical test Tensile strength test	Cl.15, BS 6622 : 2007
129	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Partial discharge Test	Cl.15, BS 6622 : 2007
130	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Power frequency withstand test	Cl.15, BS 6622 : 2007
131	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.15, BS 6622 : 2007
132	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Pressure test at high temperature	Cl.15, BS 6622 : 2007
133	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Shrinkage test	Cl.15, BS 6622 : 2007
134	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Tan Delta Measurement at ambient &elevated temperature	Cl.15, BS 6622-2007
135	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Test for Resistance to cracking	Cl.15, BS 6622 : 2007
136	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Thickness and dimension test	Cl.15, BS 6622 : 2007
137	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Water Absorption (Gravimetric)	Cl.15, BS 6622 : 2007
138	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV	Winding test	Cl.15, BS 6622 : 2007
139	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Breaking Strength test	Cl.16, BS 7835 : 2007
140	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Capacitance Measurement	Cl.16, BS 7835 : 2007
141	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Conductor Resistance test	Cl.16, BS 7835 : 2007

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142	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Elongation at break	Cl.16, BS 7835 : 2007
143	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Flame Retadancy test (Sweedish Chimney test)	Cl.16, BS 7835 : 2007
144	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Flame Retardancy test on Bunched cables	Cl.16, BS 7835 : 2007
145	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Flame Retardant test (Flammability test)	Cl.16, BS 7835 : 2007
146	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Mechanical Test Tensile strength test	Cl.16, BS 7835 : 2007
147	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Partial discharge Test	Cl.16, BS 7835 : 2007
148	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Tan delta at ambient and elevated temperature	Cl.16, BS 7835 : 2007
149	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Tear Resistance test	Cl.16, BS 7835 : 2007
150	ELECTRICAL- CABLES & WIRES	Armoured cables with thermosetting Insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Thickness and dimension test	Cl.16, BS 7835 : 2007
151	ELECTRICAL- CABLES & WIRES	Bushing for ac voltages above 1000V	Partial discharge Test	Cl.1.14, IS 2099, Amd 1 & Amd 2 : 1986
152	ELECTRICAL- CABLES & WIRES	Bushings for ac voltages above 1000 Volts	Dielectric Strength Test	IS 2099, Am1, Am2 : 1986
153	ELECTRICAL- CABLES & WIRES	Bushings for ac voltages above 1000 Volts	Dielectric Strength test	IS 2099, Am1, Am2 : 1986
154	ELECTRICAL- CABLES & WIRES	Bushings for ac voltages above 1000 Volts	Power frequency withstand test	IS 2099, Am1, Am2 : 1986
155	ELECTRICAL- CABLES & WIRES	Bushings for ac voltages above 1000 Volts	Power frequency withstand test	IS 2099, Am1, Am2: 1986
156	ELECTRICAL- CABLES & WIRES	Bushings for ac voltages above 1000 Volts	Power frequency withstand test	IS 2099, Amd 1, Amd 2 : 1986

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157	ELECTRICAL- CABLES & WIRES	Cable accessories & Joints	Short Time current Test	IS 13573 part 1: 2011 (Reaffirmed 2016) / IS 13573 part 2: 2011 (Reaffirmed 2016) / IS 13573 part 3: 2011 (Reaffirmed 2016) / IEC 60502 -1: 2021 / IEC 60502 -2: 2014 / IEC 61914
158	ELECTRICAL- CABLES & WIRES	Cable cleats	Resistant to Electromechanical forces-Short Time withstand current test	IEC 61914 : 2015
159	ELECTRICAL- CABLES & WIRES	Cable cleats	Short time current test	IEC 61914: 2021
160	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -500 kV	Electrical Heat cycle test	Cl.7, IEEE Std-404 : 2012
161	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -500 kV	Electrical Heat cycle test	Cl.7, IEEE Std-404 : 2012
162	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -500 kV	Impulse withstand test	Cl.7, IEEE Std 404 : 2012
163	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -500 kV	Partial discharge Test	Cl.7, IEEE Std 404 : 2012
164	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -500 kV	Power frequency withstand test	Cl.7, IEEE Std 404 : 2012
165	ELECTRICAL- CABLES & WIRES	Cable Joints for use with laminated cable rated 2.5 kV -500 kV	Power frequency withstand test	Cl.7, IEEE Std 404 : 2012 / IS 2071 – 2016 / IEC 60060-2 : 2010:
166	ELECTRICAL- CABLES & WIRES	Cables and plastics	Flammability by Oxygen Index - Ambient Temperature Test	IS 13360, Part-6, Sec-19, 2019 / ISO 4589-2 : 2017
167	ELECTRICAL- CABLES & WIRES	Cables and plastics	Oxygen Index test	ASTM 2863 : 2019 / ISO 4589-2 : 2017
168	ELECTRICAL- CABLES & WIRES	Cables and plastics	Oxygen Index test	NCD 1410 : 1999
169	ELECTRICAL- CABLES & WIRES	Cables and plastics	Smoke Density Test	ASTM D 2843 : 2019
170	ELECTRICAL- CABLES & WIRES	Cables and plastics	Temperature Index test	ASTM D 2863 : 2019
171	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index - Acrylonitrile	NCD 1409 / NES 713 : 2013
172	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index - Ammonia	NCD 1409 / NES 713 : 2013

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173	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index - Carbon Dioxide	NCD 1409 / NES 713 : 2013
174	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index - Formaldehyde	NCD 1409 / NES 713 : 2013
175	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index - Hydrogen Chloride, Hydrogen Bromide	NCD 1409 / NES 713 : 2013
176	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index - Hydrogen Cyanide	NCD 1409 / NES 713 : 2013
177	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index - Hydrogen Sulphide	NCD 1409 / NES 713 : 2013
178	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index - Nitrous Fumes	NCD 1409 / NES 713 : 2013
179	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index - Phenol	NCD 1409 / NES 713 : 2013
180	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index - Phosgene	NCD 1409 / NES 713 : 2013
181	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index - Sulphur Dioxide	NCD 1409 / NES 713 : 2013
182	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index Test-Hydrogen Fluoride	NCD 1409 / NES 713 : 2013
183	ELECTRICAL- CABLES & WIRES	Cables and Rail Coach Materials	Toxicity Index-Carbon Monoxide	NCD 1409 / NES 713 : 2013
184	ELECTRICAL- CABLES & WIRES	Cables and Textiles	Oxygen Index Test	IS 13501 :1992
185	ELECTRICAL- CABLES & WIRES	Cables with rated voltage from 6 kV up to 30 kV	AC High voltage Test under the influence of Humidity, Salt fog test	IEC 60502 part 4 : 2010
186	ELECTRICAL- CABLES & WIRES	Compression & mechanical connector for power cables	Heat Cycle test	IEC 61238-1-1:2018 / IEC 61238-1-2:2018 / IEC 61238-1-3: 2018
187	ELECTRICAL- CABLES & WIRES	Compression & mechanical connector for power cables	Short time current test	IEC 61238-1-1:2018 / IEC 61238-1-2:2018 / IEC 61238-1-3: 2018
188	ELECTRICAL- CABLES & WIRES	Conductors for insulated cables & Flexible cords	Conductor Resistance test	BS EN 60228-2005 / IEC 60228 : 2004
189	ELECTRICAL- CABLES & WIRES	Conductors for insulated cables & Flexible cords	Conductor resistance test	IS 8130: 2013, RA: 2018
190	ELECTRICAL- CABLES & WIRES	Conductors for insulated cables & Flexible cords	Resistivity of Armour	BSEN 60228-2005 / IEC 60228 : 2004

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191	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Ageing in air oven	Cl.6, EN 50397-1: 2020
192	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Breaking Strength test (Elongation at break test)	Cl.6, EN 50397-1: 2020
193	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Carbon Black content test	Cl.6, EN 50397-1: 2020
194	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Conductor Resistance test	EN 50397-1 : 2020
195	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Electrical Heat cycle test	EN 50397-1 : 2020
196	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Heat Shock test	EN 50397-1 : 2020
197	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Hot Deformation test	EN 50397-1 : 2020
198	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Hot Set Test	EN 50397-1 : 2020
199	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Mechanical test Tensile strength test	EN 50397-1 : 2020
200	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Power frequency withstand test	EN 50397-1 : 2020
201	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Power frequency withstand test	EN 50397-1 : 2020
202	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Shrinkage test	Table 2 , EN 50397-1 : 2020
203	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lies of rated voltages above 1 KV ac and not exceeding 36 kV ac	Water penetration test	Table 2 , EN 50397-1 : 2020
204	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 11 kV	Flame Retardancy test (Flammability test)	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
205	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Ageing in Air Bomb	Cl.22, IS 9968, Part 2, 2002, RA : 2017
206	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Ageing in air oven	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
207	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Capacitance Measurement	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
208	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Conductor Resistance Test/ Armour resistivity Test	Cl.22, IS 9968 part 2 : 2002, RA : 2017
209	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Dimension of Armour Material	Cl.22, IS 9968, Part-2 : 2002, RA : 2017

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210	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Electrical Heat cycle test	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
211	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Galvanising test	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
212	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Hot Set test	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
213	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	IR Constant test/Volume Resistivity Test	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
214	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Mineral Oil Immersion test	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
215	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Partial discharge Test	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
216	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Power Frequency withstand test	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
217	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Power Frequency withstand test	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
218	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Pressure test at high temperature / Hot Deformation test	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
219	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Shrinkage test	Cl.22, IS 9968, Part 2, 2002, RA : 2017
220	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Tan Delta Measurement at ambient &elevated temperature	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
221	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Tear Resistance test	Cl.22, IS 9968, Part 2, 2002, RA : 2017
222	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Test for Resistance to cracking	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
223	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Thermal Stability test	Cl.22, IS 9968, Part 2, 2002, RA : 2017
224	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Thickness and dimension test	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
225	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Uniformity of Zinc Coating ,Mass of Zinc Coating	Cl.18, IS 9968, Part-2, 2002, RA : 2017
226	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Volume Resistivity test	Cl.22, IS 9968, Part-2 : 2002, RA : 2017
227	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages from 3.3 kV up to and including 33 kV	Water Absorption Test (Electrical)	Cl.22, IS 9968, Part-2 : 2002, RA : 2017

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228	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Ageing in Air Bomb	Cl.21, IS 9968, Part-1, 1988, RA: 2020
229	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Ageing in Air oven	Cl.21, IS 9968, Part-1, 1988, RA: 2020
230	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Armour Resistivity test	Cl.21, IS 9968, Part-1, 1988, RA: 2020
231	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Capacitance Measurement	Cl.21, IS 9968, Part-1, 1988, RA: 2020
232	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Conductor Resistance test	Cl.21, IS 9968, Part-1, 1988, RA: 2020
233	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Hot Set test	Cl.21, IS 9968, Part-1, 1988, RA: 2020
234	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Mineral Oil Immersion test	Cl.21, IS 9968, Part-1, 1988, RA: 2020
235	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 V	Shrinkage test	IS 9968, Part-1, Am 1, Am 2, 1988, RA 2020
236	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Bending test	Cl.18, IS 9968 pt.2 , 1988, RA 2020
237	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Dimension of Armour Material	IS 9968 pt 1, 1988, RA 2020
238	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl.21, IS 9986 pt 1, 1988, RA 2020
239	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	IR Constant test/Volume Resistivity Test	Cl.21, IS 9968 Part 1 -1988, RA : 2020
240	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 Volts	Power frequency withstand test	Cl.21, IS 9968, Part-1 - 1988, RA : 2020
241	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 Volts	Power frequency withstand test	Cl.21, IS 9968, Part-1 - 1988, RA : 2020
242	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Thickness and dimension test	Cl.21, IS 9968 Part 1 - 1988, RA : 2020
243	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Water Absorption Test (Electrical)	Cl.22, IS 9968 part 2, 2002, RA : 2017
244	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Water immersion (Absence of Fault in the insulation)	Cl.21, IS 9968, Part-1, 1988, RA : 2020
245	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Water Immersion test (Absence of faults in the insulation)	Cl.21, IS 9968, Part-1, 1988, RA : 2020

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246	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Winding test	Cl.21, IS 9968 part 1, 1988, RA : 2020
247	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Winding test	Cl.22, IS 9968 part.2 , 2002, RA : 2017
248	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages up to and including 1100 Volts	Wrapping test	Cl.21, IS 9968, Part-1, 1988, RA : 2020
249	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Cables for working voltages Up to and including 1100 Volts	Wrapping test	Cl.21, IS 9968, Part-2, 2002, RA : 2017
250	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Thickness and dimension test	Cl.25, IS 14494 : 2019
251	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Ageing in Air Bomb	Cl.25, IS 14494 : 2019
252	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Ageing in air oven	Cl.25, IS 14494 : 2019
253	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Armour Resistivity test	Cl.25, IS 14494 : 2019
254	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Bending test	Cl.25, IS 14494 : 2019
255	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Capacitance Measurement	Cl.25, IS 14494 : 2019
256	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Conductor Resistance test	Cl.25, IS 14494 : 2019
257	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Dimension of Armour Material	Cl.25, IS 14494 : 2019
258	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Electrical Heating Cycle test	Cl.25, IS 14494 : 2019
259	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Electrical Tests on Semiconducting Screening	IS 14494 : 2019
260	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Flame Retardant test (Flammability test)	Cl.25, IS 14494 : 2019
261	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl.25, IS 14494 : 2019
262	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Hot Set test	Cl.25, IS 14494 : 2019
263	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Insulation Resistance test	Cl.25, IS 14494 : 2019

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264	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Mineral Oil Immersion test	Cl.25, IS 14494 : 2019
265	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Partial discharge Test	Cl.25, IS 14494 : 2019
266	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Power frequency withstand test	Cl.25, IS 14494 : 2019
267	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Power frequency withstand test	Cl.25, IS 14494 : 2019
268	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Tan Delta Measurement at ambient & elevated temperature	Cl.25, IS 14494 : 2019
269	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Torsion test	Cl.25, IS 14494 : 2019
270	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for use in Mines	Water Absorption Test (Electrical)	Cl.25, IS 14494 : 2019
271	ELECTRICAL- CABLES & WIRES	Elastomer insulated Flexible cables for use in mines Elastomer Insulated Flexible Cables for working voltages upto including 1100 Volts	Mechanical test Tensile strength test	Cl.25, IS 14494 : 2019
272	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for working voltages from 3.3 kV upto including 1100 Volts	Mechanical test Tensile Strength test	Cl.21, IS 9968, Part-1, 1988, RA : 2020
273	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for working voltages from 3.3 kV upto including 1100 Volts	Mechanical test Tensile strength test	Cl.22, IS 9968, Part-2, 2002, RA : 2017
274	ELECTRICAL- CABLES & WIRES	Elastomer Insulated Flexible Cables for working voltages from 3.3 kVupto including 1100 Volts	Tear Resistance test	Cl.22, IS 9968, Part-2, 2002, RA : 2017
275	ELECTRICAL- CABLES & WIRES	Elastomer insulated Flexible cables foruse in mines Elastomer Insulated Flexible Cables for working voltages upto including 1100 Volts	Tear Resistance test	Cl.26, IS 14494 : 2019
276	ELECTRICAL- CABLES & WIRES	Elastomer Insulation & Sheath of electric cables	Aging in air bomb/Oxygen bomb	IS 6380, 1984, RA : 2016
277	ELECTRICAL- CABLES & WIRES	Elastomer Insulation & Sheath of electric cables	Tear Resistance test	IS 6380, 1984, RA : 2016
278	ELECTRICAL- CABLES & WIRES	Elastomer Insulation & Sheath of electric Cables	Water Absorption Test (Electrical)	IS 6380, 1984, RA:2016
279	ELECTRICAL- CABLES & WIRES	elastomeric Insulation and sheath, paper insulation of electric cables	Mechanical test Tensile Strength test	IS 10810 part 7, 1984, RA : 2016
280	ELECTRICAL- CABLES & WIRES	Elastomeric Insulation and sheath/ paper insulation of power cables	Breaking Strength test (Elongation at break test)	IS 10810 part 7, 1984, RA : 2016

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281	ELECTRICAL- CABLES & WIRES	Electric & Optical fibre Cables	Flame Retardant test (Flammability test)	IEC 60332-1-1-04, Amd 1 / IEC 60332-1-2-04 , Amd 1 / IEC 60332-1-3, Amd 1 : 2004
282	ELECTRICAL- CABLES & WIRES	Electric & Optical fibre Cables	Flame Retardant test (Flammability test)	IEC 60332-2-1-04 / IEC 60332-2-2 : 2004
283	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for ratd voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke and corrosive gases	Flame Retardant test (Flammability test)	Cl.16, BS 7835 : 2007
284	ELECTRICAL- CABLES & WIRES	Electric Cables	Smoke Density Test	IEC 61034 part 1 & 2 : 2013
285	ELECTRICAL- CABLES & WIRES	Electric cables	Fire resistance/ Circuit Integrity	IEC 60331 pt.11,21,23 & 25 : 2004
286	ELECTRICAL- CABLES & WIRES	Electric Cables	Flame retardant Test for Bunched Cables	IEC 60332-3-10-00 / IEC 60332-3-21-00 / IEC 60332-3-22-00 / IEC 60332-3-23-00 / IEC 60332-23-00 / IEC 60332-3-24-00 / IEC 60332-3-25-00 / IEEE 383 : 2003
287	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Cold Elongation test	Cl.12, BS 6004, Am1 : 2012
288	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	DC withstand Test/Long term Resistance to DC	Cl.12, BS 6004, Am1 : 2012
289	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Heat Shock test	Cl.12, BS 6004, Am1 : 2012
290	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Hot Deformation test	Cl.12, BS 6004, Am1 : 2012
291	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Hot Set test	Cl.12, BS 6004, Am1 : 2012
292	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Loss of mass test	Cl.12, BS 6004, Am1 : 2012
293	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Pressure test at high temperature	Cl.12, BS 6004, Am1 : 2012

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294	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Shrinkage test	Cl.12, BS 6004, Am1 : 2012
295	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Test for Resistance to cracking	Cl.12, BS 6004, Am1 : 2012
296	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Thermal Stability Test for PVC material	Cl.8, BS 6004, Am1 : 2012
297	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Thickness and dimension test	Cl.7, BS 6004, Am1 : 2012
298	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Ageing in air oven	Cl.8, BS 6004, Am1 : 2012
299	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Breaking Strength test (Elongation at break)	Cl.8, BS 6004, Am1 : 2012
300	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Cold Bend test	Cl.8, BS 6004, Am1 : 2012
301	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Conductor Resistance test	Cl.8, BS 6004, Am1 : 2012
302	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Flame Retardance test (Flammability test)	Cl.8, BS 6004, Am1 : 2012
303	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Insulation Resistance test	Cl.12, BS 6004 : 2012
304	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Mechanical test Cold Impact test	Cl.12, BS 6004 : 2012
305	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Mechanical test Tensile strength test	Cl.8, BS 6004 : 2012
306	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Power Frequency withstand test	Cl.8, BS 6004 : 2012
307	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Power frequency withstand test	Cl.8, BS 6004 : 2012

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308	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Water immersion test (Absence of faults in the insulation)	Cl.8, BS 6004 : 2012
309	ELECTRICAL- CABLES & WIRES	Electric Cables – PVC insulated and PVC Sheathed cables for voltages up to and including 300/500 V, for electric Power and lighting	Water Immersion test (Absence of faults in the insulation)	Cl.8, BS 6004 : 2012
310	ELECTRICAL- CABLES & WIRES	Electric cables – Thermosetting insulated a nd thermoplastic sheathed cables for voltages upto and including 450/750 V,for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire	Halogen Acid test	BS EN 50525-3-41:2011 / BS EN 50525-3-31:2011 / Cl.13, BS 7211 : 2012
311	ELECTRICAL- CABLES & WIRES	Electric cables – Thermosetting insulated and thermoplastic sheathed cables for voltages upto and including 450/750 V, for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire	Circuit Integrity test	Cl.13, BS 7211 : 2012
312	ELECTRICAL- CABLES & WIRES	Electric cables – Thermosetting insulated and thermoplastic sheathed cables for voltages upto and including 450/750 V, for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire	Flame Retardance test (Flammability test)	Cl.13, BS 7211 : 2012
313	ELECTRICAL- CABLES & WIRES	Electric cables – Thermosetting insulated and thermoplastic sheathed cables for voltages upto and including 450/750 V,for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire	Smoke Emission Test	BS EN 50525-3-41:2011 / BS EN 50525-3-31:2011 / Cl.13, BS 7211 : 2012
314	ELECTRICAL- CABLES & WIRES	Electric cables – Thermosetting insulated and thermoplastic sheathed cables for voltages upto and including 450/750 V, for electric power and lighting and having low emission of smoke and corrosive gases when affected by fire	Flame Retardance test on Bunch of Cables	Cl.12, BS 7211 : 2012
315	ELECTRICAL- CABLES & WIRES	Electric Cables – Thermosetting insulated, armoured cables of rated voltages 600/1000 V & 1900/3300 V for fixed installation	Cold Bend test	Cl.14, BS 5467 : 2016
316	ELECTRICAL- CABLES & WIRES	Electric Cables – Thermosetting insulated, armoured cables of rated voltages 600/1000 V & 1900/3300 V for fixed installation	Cold Impact test	Cl.14, BS 5467 : 2016
317	ELECTRICAL- CABLES & WIRES	Electric Cables – Thermosetting insulated, armoured cables of rated voltages 600/1000 V & 1900/3300 V for fixed installation	Cold Impact test	Cl.14, BS 5467 : 2016
318	ELECTRICAL- CABLES & WIRES	Electric Cables – Thermosetting insulated, armoured cables of rated voltages 600/1000 V & 1900/3300 V for fixed installation	Insulation Resistance test	Cl.14, BS 5467 : 2016
319	ELECTRICAL- CABLES & WIRES	Electric cables – thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 v, having low emission of smoke and corrosive gases	Halogen Acid Test	Cl.14, BS 7846 : 2015

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320	ELECTRICAL- CABLES & WIRES	Electric cables – thermosetting insulated, armoured, fire-resistant cables of rated voltage 600/1000 v, having low emission of smoke and corrosive gases	Smoke Emission Test	Cl.14, BS 7846 : 2015
321	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Dimension of Armour Material	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.14, BS 6724 : 2016
322	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Smoke Emission Test	Cl.14, BS 6724 : 2016
323	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Thickness and dimension test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.14, BS 6724 : 2016
324	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Ageing in Air Oven	Cl.14, BS 6724 : 2016
325	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Cold Bend test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.14, BS 6724 : 2016
326	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Cold Elongation test	Cl.14, BS 6724 : 2016
327	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Fire Retardant test (Flammability Test)	Cl.14, BS 6724 : 2016

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328	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Flame Retardant test on Bunched Cables	Cl.14, BS 6724 : 2016
329	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Hot set test	Cl.14, BS 6724 : 2016
330	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Insulation Resistance test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.14, BS 6724 : 2016
331	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Mechanical test Cold Impact test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.14, BS 6724 : 2016
332	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Mechanical test tensile test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.14, BS 6724 : 2016
333	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Pressure test at high temperature	Cl.14, BS 6724 : 2016
334	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Shrinkage test	Cl.14, BS 6724 : 2016
335	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Tear Resistance test	BS 6724 : 2016

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336	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Volume Resistivity test	Cl.14, BS 6724 : 2016
337	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Water Immersion test (Absence of faults in the insulation)	BS 6724 : 2016
338	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl.14, BS 6724 : 2016
339	ELECTRICAL- CABLES & WIRES	Electric Cables Armoured cables with thermosetting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Halogen Acid Test	BS EN 50363-8 : 2005 / Cl.14, BS 6724 : 2016
340	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dC, Electric Cables Armoured cables with thermoseting insulation for rated voltages 600/1000 V and 1900/3300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Water immersion test (Absence of faults in the insulation)	Table 3, Sl.No.1,IS 17293-2020 / BS 6724 : 2016
341	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dC, Electric Cables – Thermosetting insulated, armoured cables of rated voltages 600/1000 V & 1900/3300 V for fixed installation	Cold Elongation test	Table 3,Sl.No.8, IS 17293-2020 / Cl.14, BS 5467 : 2016
342	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases , HFFR cables for working voltages upto and including 1100 Volts	Cold impact test	Table 3,Sl.No. 6, IS 17293-2020 / Table 9,(iv)(g) IS 17505-2021 / Cl.5, Table 2 of IS 17048 :2018
343	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases , HFFR cables for working voltages upto and including 1100 Volts	Halogen acid test/ pH and conductivity test	Table 3, Sl.No.16, IS 17293-2020 / Table 9,(iv)(m),IS 17505-(part-I)-2021 / Table 2 Cl. II k, Cl.IIIc(viii), Cl.III e(viii) of IS 17048 : 2018
344	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases , HFFR cables for working voltages upto and including 1100 Volts	High Voltage Test	Table 3, 1.2, IS 17293-2020 / Table 9, Sl.No. (vi) IS 17505(Part-I)-2021 / Table 2 Cl. I(a), Cl.II(h),Cl.III c(ii),Cl.IIIf(i) of IS 17048: 2018
345	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases , HFFR cables for working voltages upto and including 1100 Volts	Insulation Resistance test/Volume Resistivity test	Table 3, Sl.No. 1.4, IS 17293-2020 / Table 9, Sl.No. (iv)(q) IS 19505(Part-I)-2021 / Table 2 Cl. II(g), Cl.IIIc(iii) of IS 17048 :2018

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346	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases , HFFR cables for working voltages upto and including 1100 Volts	Smoke density test,smoke emission of complete cable	Table 3, Sl.No. 15, IS 17293-2020 / Table 9,Sl.No. (iv),(n) IS 17505 (Part-10-2021 / Table 2 Cl. III f (v)ii) of IS 17048 : 2018
347	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases, HFFR cables for working voltages upto and including 1100 Volts	Cold bend test (Mandrel Diameter: 5mm to 130 mm)	Tabl3 3,Sl.No.7, IS 17293-2020 / Table 9,(iv)(f), IS 17505-2021 / Table 2 of IS 17048 : 2018
348	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases, HFFR cables for working voltages upto and including 1100 Volts	Conductor Resistance test	Table 3,I.1, IS 17293-2020 / Table 9, (i)(b), IS 17505(Part-I) : 2021 / Table 2 of IS 17048 :2018
349	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases, HFFR cables for working voltages upto and including 1100 Volts	Elongation at Break	Table 11, IS 17293:2020 / Table 9, (iv)a,b, IS 17505(Part-I)-2021 / Cl.5,Table 2 of IS 17048 : 2018
350	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases, HFFR cables for working voltages upto and including 1100 Volts	Fluorine Content test	Annex J, IS 17293- 2020 / Table 9, Annex F, IS 17505(Part-I)-2021 / IS 17048 : 2018
351	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases, HFFR cables for working voltages upto and including 1100 Volts	Tensile strength test	Table 11, Sl.No.1, IS 17293-2020 / Table 9, Sl.No. (iv), IS 17505(Part-I)-2021 / Table 2 Cl. II(a), Cl.II(f), Cl.IIIa(iv), Cl.c and Cl.e of IS 17048 : 2018
352	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases, HFFR cables for working voltages upto and including 1100 Volts	Thickness and Dimension test	Table 3, sl.No. 2 IS 17293-2020 / Table 9, Sl.No. ii, IS 17505(Part-I)-2021 / Table 2 Cl. II(e), Cl.III(b) of IS 17048 : 2018
353	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dC, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases ,HFFR cables for working voltages upto and including 1100 Volts	Ageing in Air Oven, compatibility test	Table 3,sl.No.5, Table 11 IS 17293:2020 / Table 9 (iv)b IS 17505-2021 / Table Cl.5, Table 2 of IS 17048 : 2018
354	ELECTRICAL- CABLES & WIRES	Electric cables for photovoltaic systems for rated voltage 1500 V dc,, Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases, HFFR cables for working voltages upto and including 1100 Volts	Hot set test	Table 11, sl.No. 1.3-IS 17293-2020 / Table 9, Sl.No. 9iv((c), IS 17505-2021 / Table 2 Cl. II(m), Cl.IIIc(xi), Cl.IIIe(viii) of IS 17048 : 2018
355	ELECTRICAL- CABLES & WIRES	Electric Cables of rated voltage up to and including 0,6/1,0 kV	Circuit Integrity test (Fire Alone test)	IEC 60331-11 : 1999, Am1:2009 / IEC 60331-21 : 1999

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356	ELECTRICAL- CABLES & WIRES	Electric cables of rated voltage up to and including 0,6/1,0 kV	Circuit integrity test with fire and mechanical shock	IEC 60331-1 : 2018
357	ELECTRICAL- CABLES & WIRES	Electric cables of rated voltage up to and including 0,6/1,0 kV	Circuit Integrity test with mechanical shock	IEC 60331-2 : 2018
358	ELECTRICAL- CABLES & WIRES	Electric cables of rated voltage up to and including 0,6/1,0 kV	Circuit Integrity test with mechanical shock	IEC 60331-3 : 2018
359	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Ageing in Air Oven	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006
360	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Breaking Strength test (Elongation at Break)	BS EN 50363-8 : 2005, BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006
361	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Cold Bend test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006
362	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Cold Elongation test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006

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363	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Fire Retardant/ Flammability Test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006
364	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Heat Shock test	BS EN 50363-8 : 2005 / BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006
365	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Loss of mass test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006
366	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Mechanical test Tensile test	Cl.11, BS 6231 : 2006
367	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Power frequency test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006
368	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Power Frequency withstand test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006

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369	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Pressure test at high temperature	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006
370	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Thermal Stability Test for PVC material	Cl.11, BS 6231 : 2006
371	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Water Immersion test (Absence of faults in the insulation)	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006
372	ELECTRICAL- CABLES & WIRES	Electric cables single core PVC insulated flexible cables of rated voltage 600/1000 V for switchgear and control gear wiring	Water Immersion test (Absence of faults in the insulation) / Long term Resistance to DC	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006
373	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured fire resistant cables for rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Halogen Acid Test	Cl.14, BS 7846 : 2015
374	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Cold Bend test	Cl.14, BS 7846 : 2015
375	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Cold Elongation test	BS EN 50363-8 : 2005 / Cl.14, BS 7846 : 2015
376	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Mechanical test Cold Impact test	Cl. 14, BS 7846 : 2015

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377	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Water Absorption (Gravimetric)	Cl.14, BS 6724 : 2016
378	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured fire resistant cables for rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Armour resistivity test	Cl. 14, BS 7846 : 2015
379	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured fire resistant cables for rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Circuit Integrity test, F2, F30, F60, F120 (Resistance to Fire, Resistance to water, Resistance to Mechanical Shock and Resistance to fire with direct mechanical impact and water jet)	BS EN 50200 : 2015 / BS 7629-1 : 2015 / Cl.14, BS 7846 : 2015
380	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured fire resistant cables for rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Conductor resistance test	Cl. 14, BS 7846 : 2015
381	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured fire resistant cables for rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Flame Retardance test on Bunched Cables	Cl. 14, BS 7846 : 2015
382	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured fire resistant cables for rated voltage 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire	Flame Retardancy test (Flammability test)	Cl. 14, BS 7846 : 2015
383	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistiant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl. 14, BS 7846 : 2015
384	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistiant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Dimension of Armour Material	Cl. 14, BS 7846 : 2015
385	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistiant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Insulation Resistance test	Cl.14, BS 7846 : 2015

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386	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistiant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Mechanical test Cold impact test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 BS EN 50363-8 : 2005 / Cl.14, BS 7846 : 2015
387	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistiant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Mechanical test Tensile test	Cl. 14, BS 7846 : 2015
388	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistiant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Power frequency withstand test	Cl. 14, BS 7846 : 2015
389	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistiant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Power frequency withstand test	Cl. 14, BS 7846 : 2015
390	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistiant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Tear Resistance test	Cl. 14, BS 7846 : 2015
391	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistiant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Thickness and dimension test	Cl. 14, BS 7846 : 2015
392	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistiant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Water Absorption (Gravimetric)	Cl. 14, BS 7846 : 2015
393	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated armoured Fire resistiant cable of rated voltage 600/1000 V having low emission of smoke and corrosive gases when affected by fire	Wrapping test	Cl. 14, BS 7846 : 2015
394	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrive gases	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl.13, BS 7211 : 2012
395	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrive gases	Water Absorption (Gravimetric)	Cl.13, BS 7211 : 2012
396	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Ageing in air oven	Cl.13, BS 7211 : 2012

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397	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Cold Bend test	Cl.12, 13, BS 7211 : 2012
398	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Cold Elongation test	Cl.13, BS 7211 : 2012
399	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Conductor Resistance test	Cl.12,13, BS 7211 : 2012
400	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Conductor Resistance test	Cl.14, BS 6724 : 2016
401	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Hot set test	Cl.12,13, BS 7211 : 2012
402	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Insulation Resistance test	Cl.12,13, BS 7211 : 2012
403	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Mechanical test Cold Impact test	Cl.12,13, BS 7211 : 2012
404	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Mechanical test Tensile test	Cl.12,13, BS 7211 : 2012
405	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Power Frequency withstand test	Cl.12, 13, BS 7211 : 2012
406	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Pressure test at high temperature	BS EN 50363-8 : 2005 / Cl.12, BS 7211 : 2012
407	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Shrinkage test	Cl.12,13, BS 7211 : 2012
408	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Test for Resistance to cracking/Tear Resistance test	Cl.12,13, BS 7211 : 2012
409	ELECTRICAL- CABLES & WIRES	Electric cables- Thermosetting insulated non armoured cables for voltages up to and including 450/750 V and having low emission of smoke and corrosive gases	Thickness and dimension test	Cl.13, BS 7211 : 2012
410	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Ageing in air oven	Cl.16, BS 7835 : 2007

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411	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Bending test	Cl.16, BS 7835 : 2007
412	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Capacitance Measurement	Cl.16, BS 7835 : 2007
413	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Cold Bend test	Cl.16, BS 7835 : 2007
414	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Cold Elongation test	Cl.16, BS 7835 : 2007
415	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Conditioning test	Cl.16, BS 7835 : 2007
416	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Dimension of Armour Material	Cl.16, BS 7835 : 2007
417	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Electrical Heat Cycle test	Cl.16, BS 7835 : 2007
418	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Hot Deformation test/Pressure test at high temperature	Cl.16, BS 7835 : 2007
419	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Hot set test	Cl.16, BS 7835 : 2007
420	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Impulse withstand Test	Cl.16, BS 7835 : 2007
421	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Insulation Resistance test	Cl.16, BS 7835 : 2007
422	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Mechanical test Cold impact test	Cl.16, BS 7835 : 2007
423	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Power frequency withstand test	Cl.16, BS 7835 : 2007
424	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Power frequency withstand test	Cl.16, BS 7835 : 2007

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425	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Pressure test at high temperature	Cl.16, BS 7835 : 2007
426	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Shrinkage test	Cl.16, BS 7835 : 2007
427	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Tan Delta Measurement at ambient &elevated temperature	Cl.16, BS 7835 : 2007
428	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Volume Resistivity test	Cl.16, BS 7835 : 2007
429	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Water Absorption (Gravimetric)	Cl.16, BS 7835 : 2007
430	ELECTRICAL- CABLES & WIRES	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6 kV to 19/33 kV having low emission of smoke	Wrapping test	Cl.16, BS 7835 : 2007
431	ELECTRICAL- CABLES & WIRES	Extruded and laminated dielectric shielded cable joints rated 2500 V to 500 kV	Impulse withstand Test	IEEE Std 404 : 2012
432	ELECTRICAL- CABLES & WIRES	Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Load Cycle test	IS 13573 Part-1, 2 & 3 : 2011
433	ELECTRICAL- CABLES & WIRES	Extruded power Cables- for working voltages for 1.1kV up to 3.3 kV, from 3.3kV (UE) to up to and including 33 kV(E)	Load Cycle test	IS 13573, part-1, 2 & 3 : 2011
434	ELECTRICAL- CABLES & WIRES	Flammability of solid electrical insulating materials when exposed to an igniting source	Flame Retardant test (Flammability test)	UL 94-2013 / IEC 60695-11-10 : 2013
435	ELECTRICAL- CABLES & WIRES	Halogen Free Flame Retardant (HFFR) Cables for Working Voltages up to and including 1100 Volts , Elastomer Insulated Cables	Ozone Resistance test	BS EN 50363-8 : 2005 / IS 17048 :2018 / IS 10810 (Part-13) : 1984 / IEC 60811-403 : 2012 / IS 9968 (Part-1) : 1988 / IS 9968 (Part-2) : 2002 / IS 14494 : 2019
436	ELECTRICAL- CABLES & WIRES	HFFR cables for working voltages upto and including 1100 Volts	Tensile test on Conductor	Cl.5,Table 2 of IS 17048: 2018
437	ELECTRICAL- CABLES & WIRES	HFFR cables for working voltages upto and including 1100 Volts	Water immersion test	Table 2 Cl. I(a), Cl.II(h),Cl.III c(ii),Cl.IIIf(i) of IS 17048 :2018
438	ELECTRICAL- CABLES & WIRES	HFFR cables for working voltages upto and including 1100 Volts	Water immersion test-DC	Table 2 Cl. IIIf(vi) of IS 17048 : 2018
439	ELECTRICAL- CABLES & WIRES	HFFR cables for working voltages upto and including 1100 Volts	Wrapping test	Table 2 Cl.II b, Cl.III a (iv) of IS 17048 : 2018

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440	ELECTRICAL- CABLES & WIRES	Hot Dipped Galvanized coating on round steel wires	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 4826 , 1979, RA : 2016
441	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Breaking Strength test	Cl.19, BS 6480 : 2019
442	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Cold Bend test	Cl.19, BS 6480 : 2019
443	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Cold Elongation test	Cl.19, BS 6480 : 2019
444	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Conditioning test	Cl.19, BS 6480 : 2019
445	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Conductor Resistance test	Cl.19, BS 6480 : 2019
446	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Dimension of Armour Material	Cl.19, BS 6480 : 2019
447	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Drainage test	Cl.19, BS 6480 : 2019
448	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Dripping test	Cl.19, BS 6480 : 2019
449	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Elongation at break	Cl.19, BS 6480 : 2019
450	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Flame Retardant test (Flammability test)	Cl.19, BS 6480 : 2019
451	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl.19, BS 6480 : 2019
452	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Heat Shock test	Cl.19, BS 6480 : 2019
453	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Hot Deformation test	Cl.19, BS 6480 : 2019

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454	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Loss of Mass test	Cl.19, BS 6480 : 2019
455	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Mechanical test Cold impact test	Cl.19, BS 6480 : 2019
456	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Mechanical test Cold Impact test	Cl.19, BS 6480 : 2019
457	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Mechanical Test -Tensile Test	Cl.19, BS 6480 : 2019
458	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Pressure test at high Temperature	Cl.19, BS 6480 : 2019
459	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Tan Delta Measurement at ambient &elevated temperature	Cl.19, BS 6480 : 2019
460	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Tear Resistance test	Cl.19, BS 6480 : 2019
461	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Test for Resistance to cracking	Cl.19, BS 6480 : 2019
462	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V	Thickness and dimension test	Cl.19, BS 6480 : 2019
463	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33000 V	Capacitance Measurement	Cl.19, BS 6480 : 2019
464	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33000 V	Insulation Resistance Test/ Volume resistivity/ IR Constant	Cl.19, BS 6480 : 2019
465	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33000 V	Power frequency Withstand test	Cl.19, BS 6480 : 2019
466	ELECTRICAL- CABLES & WIRES	Impregnated paper-insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33000 V	Power frequency withstand test	Cl.19, BS 6480 : 2019
467	ELECTRICAL- CABLES & WIRES	Instrument Transformers	Capacitance Measurement	Cl.7.4.3, IEC 61869-1 : 2007

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468	ELECTRICAL- CABLES & WIRES	Instrument Transformers	Capacitance Measurement	IS 16227-1 : 2016
469	ELECTRICAL- CABLES & WIRES	Instrument Transformers	Partial discharge Test	Cl.7.3.2, IEC 61869-1 : 2007
470	ELECTRICAL- CABLES & WIRES	Instrument Transformers	Partial Discharge test	IS-16227 Part-I : 2016
471	ELECTRICAL- CABLES & WIRES	Instrument Transformers	Tan Delta Measurement	IS 16227-1 : 2016
472	ELECTRICAL- CABLES & WIRES	Instrument Transformers	Tan Delta Measurement at ambient	Cl.7.4.3, IEC 61869-1 : 2007
473	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Capacitor Voltage Transformers	Tan Delta Measurement	Cl.7.4.3, IEC 61869-5 : 2011
474	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Voltage Transformers	Capacitance Measurement	Cl.7.4.3, IEC 61869-2 : 2012
475	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Capacitor Voltage Transformers	Capacitance Measurement	Cl.7.4.3, IEC 61869-5 : 2011
476	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Capacitor Voltage Transformers	Partial Discharge test	Cl.7.3.2, IEC 61869-5 : 2011
477	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Capacitor Voltage Transformers	Partial Discharge test	IS 16227 Part-V : 2015
478	ELECTRICAL- CABLES & WIRES	Instrument Transformers- current Transformers	Capacitance Measurement	Cl.7.4.3, IEC 61869-2 : 2012
479	ELECTRICAL- CABLES & WIRES	Instrument Transformers- current Transformers	Capacitance Measurement	IS -16227-2 : 2016
480	ELECTRICAL- CABLES & WIRES	Instrument Transformers- current Transformers	Partial discharge Test	Cl.7.3.1, IEC 61869-2 : 2012
481	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Current Transformers	Tan Delta Measurement	Cl.7.4.3, IEC 61869-2 : 2012
482	ELECTRICAL- CABLES & WIRES	Instrument Transformers- current Transformers	Tan Delta Measurement	IS -16227-2 : 2016
483	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Voltage Transformers	Capacitance Measurement	IS-16227-5 : 2015
484	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Voltage Transformers	Tan Delta Measurement	IEC 61869 part 3 : 2011
485	ELECTRICAL- CABLES & WIRES	Instrument Transformers- Voltage Transformers	Tan Delta Measurement	IS-16227-5 : 2015
486	ELECTRICAL- CABLES & WIRES	Instrument Transformers-current Transformers	Partial Discharge test	IS 16227 Part-II : 2016

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487	ELECTRICAL- CABLES & WIRES	Insulated Bushing for alternating voltages above 1000V	Partial Discharge test	Cl. 9.5, IEC 60137 : 2017
488	ELECTRICAL- CABLES & WIRES	Insulated Cables and their accessories for power systems insulating piercing branch connectors for overhead distribution and services with bundle assembled cores of rated Voltage 0.6 /1 kV	Temperature Rise test	NFC: 33-020 : 2013
489	ELECTRICAL- CABLES & WIRES	Insulated Cables and their accessories for power systems insulating piercing branch connectors for overhead distribution and services with bundle assembled cores of rated Voltage 0.6 /1 kV	Resistance measurement	NFC: 33-020 : 2013
490	ELECTRICAL- CABLES & WIRES	Insulated Cables and their accessories for power systems insulating piercing branch connectors for overhead distribution and services with bundle assembled cores of rated Voltage 0.6 /1 kV	Resistance measurement	NFC: 33-020 : 2013
491	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Ageing in air oven	IS 10810 pt. 10,11,12,14,15,16& 30 1984, RA 2016 / IEC 60811-404,409,412,502,503,508,509 &507 : 2012
492	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Carbon Black content test	IS 10810 pt. 32, 1984, RA 2020 / IEC 60811-605 : 2012
493	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Heat Shock test	IS 10810 pt. 10,11,12,14,15,16& 30 1984 / IEC 60811-404,409,412,502,503,508,509 &507 : 2012
494	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Hot Deformation test	IS 10810 pt. 10,11,12,14,15,16& 30 1984, RA 2016 / IEC 60811-404,409,412,502,503,508,509 &507 : 2012
495	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Hot set test	IS 10810 pt. 30, 1984 / IEC 60811-507 : 2012
496	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Loss of mass test	IS 10810 pt. 10,11,12,14,15,16& 30 1984 / IEC 60811-404,409,412,502,503,508,509 &507 : 2012
497	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Mineral oil immersion test	IS 10810 pt. 31 1984 / IEC 60811-404 : 2012

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498	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Pressure test at high temperature	IS 10810 pt. 10,11,12,14,15,16& 30 1984, RA 2016 / IEC 60811-404,409,412,502,503,508,509 & 507 : 2012
499	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Shrinkage test	IS 10810 pt. 10,11,12,14,15,16& 30 1984 / IEC 60811-404,409,412,502,503,508,509 &507 : 2012
500	ELECTRICAL- CABLES & WIRES	Insulating and sheathing material of electric cables	Test for resistance for cracking	IS 10810 pt. 10,11,12,14,15,16& 30 1984, RA 2016 / IEC 60811-404,409,412,502,503,508,509 &507 : 2012
501	ELECTRICAL- CABLES & WIRES	Insulating and sheathing materials of electric Cables	Water Absorption (Electrical)	IEC 60811-402 : 2012
502	ELECTRICAL- CABLES & WIRES	Insulating and sheathing materials of electric Cables	Mechanical test Tensile strength test	IEC 60811 - 501: 2012
503	ELECTRICAL- CABLES & WIRES	Insulating and sheathing materials of electric Cables	Tear Resistance test	IEC 60811-501 : 2012
504	ELECTRICAL- CABLES & WIRES	Insulating and sheathing materials of electric cables	Thermal Stability Test for PVC material	IEC 60811-405 : 2012
505	ELECTRICAL- CABLES & WIRES	Insulating and sheathing materials of electric Cables	Water Absorption Test (Gravimetric)	IEC 60811-402 : 2012
506	ELECTRICAL- CABLES & WIRES	Joint for 600/1000 volts CNE Cable Systems	Power Frequency Withstand Test/ Dielectric strength	Cl.8, BSEN 50393 : 2015
507	ELECTRICAL- CABLES & WIRES	Joint for 600/1000 volts CNE Cable Systems	Power Frequency Withstand Test/ Dielectric strength	Cl.8, BSEN 50393 : 2015
508	ELECTRICAL- CABLES & WIRES	Joints & Terminations of Polymeric cables for working voltages from 6.6 kV – 33 kV, & Cable Accessories Joints & Termination	Short time current test (Dynamic & Thermal Short Circuit Test)	IS 13573-1:2011 RA:2016 / IS 13573-2:2011 RA:2016 / IS 13573-3:2011 RA:2016 / IEC 60502-4:2010 / IEC 61442: 2005
509	ELECTRICAL- CABLES & WIRES	Joints and Termination of Polymeric Cables for working voltages from 6.6kV up to and including 33 kV	Mechanical Test: Impact Test	IEC 60502-4-2005 / IEC 61442-2005 / CENELEC HD 629-1 S3-2019 / CENELEC HD 629.1.S2 2006 / IS 13573 part 2 & part 3 : 2011
510	ELECTRICAL- CABLES & WIRES	Joints for 600/1000 volts CNE Cable Systems	Electrical Heat cycle test	Cl.7, BS EN-50393 : 2015

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511	ELECTRICAL- CABLES & WIRES	Joints for 600/1000 volts CNE Cable Systems	Impulse withstand test	Cl.7, BS EN – 50393 : 2015
512	ELECTRICAL- CABLES & WIRES	Joints for 600/1000 volts CNE Cable Systems	Insulation Resistance test	Cl.7, BS EN-50393 : 2015
513	ELECTRICAL- CABLES & WIRES	Joints for 600/1000 volts CNE Cable Systems	Mechanical Test: Impact Test	Cl.8, BS EN-50393 : 2015
514	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites- distribution cables with extruded insulation or rated voltages of 11 kV to 33	Impulse withstand test	Table 5, BS-7870-4.10-A1 : 2011
515	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-distribution cables with extruded insulation or rated voltages of 11 kV to 33	Breaking Strength (Elongation at break test)	BS 7870-4.10 : 2011
516	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33	Ageing in air bomb	Cl.5, Table 4, 5, BS 7870-4.10 : 2011
517	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33	Ageing in air oven	Table 5, BS 7870-4.10 : 2011
518	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33	Carbon Black content test	Table 5, BS 7870-4.10 : 2011
519	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33	Conductor Resistance test	Table 4, BS 7870-4.10 : 2011
520	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33	Hot set test	Table 5, BS 7870-4.10 : 2011
521	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33	Pressure test at high temperature	Table 5, BS 7870-4.10 : 2011
522	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilites-Specification for distribution cables with extruded insulation or rated voltages of 11 kV to 33	Shrinkage test	Table 5, BS 7870-4.10 : 2011
523	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilities- distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Capacitance Measurement	Table 5, BS-7870-4.10 : 2011
524	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilities-distribution cables with extruded insulation or rated voltages of 11 kV to 33	Mechanical Test Tensile test	BS 7870-4.10 : 2011

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525	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilities-distribution cables with extruded insulation or rated voltages of 11 kV to 33	Power frequency withstand test	Table 5, BS 7870-4.10, Am1 : 2011
526	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilities-distribution cables with extruded insulation or rated voltages of 11 kV to 33	Power frequency withstand test	Table 5, BS 7870-4.10, Am1 : 2011
527	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilities-distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Electrical Heat Cycle test	Table 5, BS 7870-4.10 : 2011
528	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilities-distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Partial Discharge test	Table 5, BS-7870-4.10-, A1 : 2011
529	ELECTRICAL- CABLES & WIRES	LV & MV Polymeric Insulated Cables for use by distribution and generation Utilities-distribution cables with extruded insulation or rated voltages of 11 kV to 33 kV	Tan delta at ambient and elevated temperature	Table 5, BS-7870-4.10-A1 : 2011
530	ELECTRICAL- CABLES & WIRES	Mild Steel wires, Formed wires And tapes For armouring of Cables	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl.9, IS 3975, 1999, RA : 2014
531	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Dimension of Armour Material	Cl.24, IS 692, 1994, RA : 2020
532	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Tensile strength test/Breaking load Test	Cl.24, IS 692, 1994, RA : 2020
533	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Ageing in air oven	Cl.24, IS 692, 1994, RA : 2020
534	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Ageing in air oven	Cl.24, IS 692, 1994, RA : 2020
535	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Armour Resistivity Test	Cl.24, IS 692, 1994, RA : 2020
536	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Bending test	IS 692, 1994, RA : 2020
537	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Conductor Resistance test	Cl.24, IS 692, 1994, RA : 2020
538	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Drainage Test	Cl.24, IS 692, 1994, RA : 2020
539	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Dripping Test	Cl.24, IS 692, 1994, RA : 2020
540	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl.24, IS 692, 1994, RA : 2020

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541	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Hot Deformation Test	Cl.24, IS 692, 1994, RA : 2020
542	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Loss of Mass test	Cl.24, IS 692, 1994, RA : 2020
543	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Power frequency withstand test	Cl.24, IS 692, 1994, RA : 2020
544	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Power frequency withstand test	Cl.24, IS 692, 1994, RA : 2020
545	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Shrinkage test	Cl.24, IS 692, 1994, RA : 2020
546	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Tan Delta Measurement at ambient and elevated temperature	Cl.24, IS 692, 1994, RA : 2020
547	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Thickness and dimension test	Cl.24, IS 692-1994 / Cl. 19, BS 6480 : 1988
548	ELECTRICAL- CABLES & WIRES	Paper Insulated Lead Sheathed Cables for rated Voltages up to and including 33 kV	Volume Resistivity Test	Cl.24, IS 692, 1994, RA : 2020
549	ELECTRICAL- CABLES & WIRES	Plastics	Fire resistance/ Flammability	ASTM-D-635 : 2018
550	ELECTRICAL- CABLES & WIRES	polymeric materials of cables	Halogen Acid test	IEC 60754-1 : 2011
551	ELECTRICAL- CABLES & WIRES	polymeric materials of cables	Halogen Acid Test	IEC 60754-2 : 2011
552	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables of rated Voltages up to and including 450/750 Volts	Breaking Strength test (Elongation at break test)	IEC 60227 (Part I to VI) : 2011
553	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables of rated Voltages up to and including 450/750 Volts	Conductor Resistance test	IEC 60227(Part I to VI) : 2011
554	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables of rated Voltages up to and including 450/750 Volts	Mechanical test Tensile test	IEC 60227 (Part I to VI) : 2011
555	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Cables of rated Voltages up to and including 450/750 Volts	Wrapping test	IEC 60227(Part I to VI) : 2011
556	ELECTRICAL- CABLES & WIRES	Power & Control Cables	Circuit Integrity test Category C - Fire Alone test Category W- Fire with water test Category Z- Fire with Mechanical Shock	BS 6387 : 2013
557	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages 3.3kV upto 20.8/36 kV	Load Cycle test	CENELEC HD 629-1 S3 2019 / CENELEC HD 629.1 S2 2006 / EN 61442-2005 / DIN VDE 0278-629-1 : 2009

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558	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages 3.3kV upto 20.8/36(42) kV	Load Cycle test	CENELEC HD 629.1 S3 -2019 / CENELEC HD 629.1.S2-2006 / EN 61442-2005 / DIN VDE 0278-629-1 : 2009
559	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U up to 20.8/36(42) kV	DC withstand Test	CENELEC HD 629-1 S3 2019 / CENELEC HD 629.1 S2-2006 / DIN VDE 0278-629-1 : 2009
560	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U up to 20.8/36(42) kV	Impulse withstand test	CENELEC HD 629-1 S3-2019 / CENELEC HD 629.1 S2-2006 / DIN 61442 : 2009
561	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U up to 20.8/36(42) kV	Power frequency test	CENELEC HD 629-1 S3 2019 / CENELEC HD 629.1 S2-2006 / DIN VDE 0278-629-1 : 2009
562	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U up to 20.8/36(42) kV	Power Frequency test	CENELEC HD 629-1 S3-2019 / CENELEC HD 629.1 S2 2006 / DIN VDE 0278-629-1 : 2009
563	ELECTRICAL- CABLES & WIRES	Power Cable Accessories with Nominal voltages U upto 30 kV	Mechanical Test: Impact Test	DIN VDE 0278-629 ,2009, / IEC -60502-4- 2010-1 : 2009
564	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessoires – from 150 kV to 500 kV	Ageing in air oven	Cl.12, IEC 62067 : 2011
565	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessoires – from 150 kV to 500 kV	Breaking Strength test (Elongation at break test)	Cl.12, IEC 62067 : 2011
566	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessoires – from 150 kV to 500 kV	Hot set test	Cl.12, IEC 60227 : 2011
567	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessoires – from 150 kV to 500 kV	Loss of mass test	Cl.12, IEC 60227 : 2011
568	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessoires – from 150 kV to 500 kV	Mechanical test Tensile test	Cl.12, IEC 60227 : 2011
569	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessoires – from 150 kV to 500 kV	Mineral Oil Immersion test	Cl.12, IEC 60227 : 2011
570	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessoires – from 150 kV to 500 kV	Pressure test at high temperature	Cl.12, IEC 60227 : 2011
571	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessoires – from 150 kV to 500 kV	Resistance to cracking tset	Cl.12, IEC 60227 : 2011
572	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessoires – from 150 kV to 500 kV	Shrinkage test	Cl.12, IEC 60227 : 2011
573	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessoires – from 150 kV to 500 kV	Thermal Stability Test for PVC material	Cl.12, IEC 60227 : 2011

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574	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – for rated voltages 6 kV to 30 kV- Test Requirements of accessories	Partial discharge Test	Table 5,6,&7, IEC 60502-4 : 2010
575	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Ageing in air ocen	Cl.12, IEC 62067 :2011
576	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Bending test	Cl.12, IEC 62067 : 2011
577	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Breaking Strength test (Elongation at break test)	Cl.12, IEC 60227 : 2011
578	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Carbon Black content test	Cl.12, IEC 62067 : 2011
579	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Cold Elongation test	IEC 62067 : 2011
580	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Cold Impact test	IEC 62067 : 2011
581	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Fire Retardant Flammability Test	Cl.12, IEC 60227 : 2011
582	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Hot set test	Cl.12, IEC 62067 : 2011
583	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Loss of mass test	Cl.12, IEC 62067 : 2011
584	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Mechanical test Tensile test	Cl.12, IEC 62067 : 2011
585	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Partial discharge Test	Cl.12, IEC 62067 : 2011
586	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Power frequency withstand test	Cl.12, IEC 62067 : 2011
587	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Power frequency withstand test	Cl.12, IEC 62067 : 2011
588	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Pressure test at high temperature	Cl.12, IEC 62067 : 2011
589	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Resistivity test on semiconductor screen	IEC 62067 : 2011
590	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Shrinkage test	Cl.12, IEC 62067 : 2011
591	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 150 kV to 500 kV	Test for Resistance to cracking test	Cl.12, IEC 62067 : 2011

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592	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Ageing in air oven	Cl.12, IEC 60840 : 2020
593	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Bending test	Cl.12, IEC 60840 : 2020
594	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Breaking strength test (Elongation at break test)	Cl.12, IEC 60840 : 2020
595	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Carbon Black content test	Cl.12, IEC 60840 : 2020
596	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Flame Retardant test (Flammability test)	Cl.12, IEC 60840 : 2020
597	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Hot set test	Cl.12, IEC 60840 : 2020
598	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Impulse withstand test	Cl.12, IEC 60840 : 2020
599	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Loss of mass test	Cl.12, IEC 60840 : 2020
600	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Mechanical test Tensile test	Cl.12, IEC 60840 : 2020
601	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Pre Qualification test	Cl.12, IEC 60840 : 2020
602	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Pressure test at high temperature	Cl.12, IEC 60840 : 2020
603	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Shrinkage test	Cl.12, IEC 60840 : 2020
604	ELECTRICAL- CABLES & WIRES	Power Cable with Extruded Insulation and their accessories – from 30 kV to 150 kV	Test for Resistance to cracking	Cl.12, IEC 60840 : 2020
605	ELECTRICAL- CABLES & WIRES	Power Cables	Thickness and dimension test	IS 10810 pt-1984 / IS 10810 pt.34-1984 / IEC 60811-201, 202, 203 : 2012
606	ELECTRICAL- CABLES & WIRES	Power Cables	Cold Elongation test	IEC 60811-505 :2012
607	ELECTRICAL- CABLES & WIRES	Power Cables	Flammability test on Bunch of Cables Test	IS 10810 Part 62, 1993, RA : 2014
608	ELECTRICAL- CABLES & WIRES	Power Cables	Armour Resisitivity test	IS 10810 pt. 5, 42 : 1984
609	ELECTRICAL- CABLES & WIRES	Power Cables	Capacitance Measurement	IS 10810 pt. 48 : 1984

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610	ELECTRICAL- CABLES & WIRES	Power Cables	Cold bend test	IEC 60811-504: 2012, RA : 2020
611	ELECTRICAL- CABLES & WIRES	Power Cables	Cold Bend test	IS 10810 pt.20, 21, 1984, RA : 2016
612	ELECTRICAL- CABLES & WIRES	Power Cables	Cold Elongation test	IS 10810 pt.20, 21, 1984, RA : 2016
613	ELECTRICAL- CABLES & WIRES	Power Cables	Conductor Resistance test	IS 10810 pt. 5, 42 : 1984
614	ELECTRICAL- CABLES & WIRES	Power cables	DC Withstand test	IEC 60229 : 2007
615	ELECTRICAL- CABLES & WIRES	Power Cables	Dimension of Armour Material	IS 10810 pt 36 : 1984
616	ELECTRICAL- CABLES & WIRES	Power Cables	Electrical heat cycle test	IS 10810 Pt. 49 : 1984
617	ELECTRICAL- CABLES & WIRES	Power Cables	Flame Retardant test (Flammability test)	IS 10810 pt.53, 1984, RA : 2016
618	ELECTRICAL- CABLES & WIRES	Power Cables	Impulse withstand Test/ Pre Qualification Test	Cl.8, IEEE Std-48 : 2009
619	ELECTRICAL- CABLES & WIRES	Power Cables	Insulation Resistance test	IS 10810 pt.43, 1984, RA:2016
620	ELECTRICAL- CABLES & WIRES	Power Cables	IR Constant test	IS 10810 pt.43, 1984, RA:2016
621	ELECTRICAL- CABLES & WIRES	Power Cables	Load cycle test	IS 10810 Pt. 49 : 1984
622	ELECTRICAL- CABLES & WIRES	Power Cables	Mechanical test Cold Impact test	IEC 60811-506: 2012
623	ELECTRICAL- CABLES & WIRES	Power Cables	Mechanical test Cold Impact test	IS 10810 Pt. 20, 21, 1984, RA : 2016
624	ELECTRICAL- CABLES & WIRES	Power Cables	Oxygen Index Test & Temperature Index test	IS 10810 pt. 58 :1998 / IS 10810 pt.64 : 2003
625	ELECTRICAL- CABLES & WIRES	Power Cables	Partial discharge Test	IS 10810 part 46, 1984, RA : 2016
626	ELECTRICAL- CABLES & WIRES	Power Cables	Power Frequency Withstand Test/ Dielectric strength	IS 10810 pt.45 : 1984
627	ELECTRICAL- CABLES & WIRES	Power Cables	Power Frequency Withstand Test/ Dielectric strength	IS 10810 pt.45 : 1984
628	ELECTRICAL- CABLES & WIRES	Power Cables	Swedish Chimney Flammability Test	IS 10810-Part 61, 1988, RA : 2015

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629	ELECTRICAL- CABLES & WIRES	Power Cables	Tan Delta Measurement at ambient &elevated temperature	IS 10810 pt. 48 : 1984
630	ELECTRICAL- CABLES & WIRES	Power Cables	Tear Resistance test	IS 10810 part 17, 1986, RA : 2016
631	ELECTRICAL- CABLES & WIRES	Power Cables	Thermal Stability Test for PVC material	IS 10810 pt.60, 1988, RA : 2015
632	ELECTRICAL- CABLES & WIRES	Power Cables	Water Absorption (Gravimetric)	IS 10810 pt.33 : 1984
633	ELECTRICAL- CABLES & WIRES	Power Cables	Water absorption Test (Electrical)	IS 10810, Part-28, 1984, RA : 2016
634	ELECTRICAL- CABLES & WIRES	Power Cables - zinc coated iron and steel articles	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 2633, 1986, RA : 2021
635	ELECTRICAL- CABLES & WIRES	Power Cables - zinc coated iron and steel articles	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 6745 : 1972, RA : 2021
636	ELECTRICAL- CABLES & WIRES	Power Cables of rating above 150 kV and up to 500 kV	Thickness and dimension test	Cl.12, IEC 62067 : 2011
637	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Thickness and dimension test	Cl.17, 18, IEC 60502 part 1 : 2021
638	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Impulse withstand Test	Cl.18, IEC 60502 part 2 : 2014
639	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 1 kV up to 3 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.17, 18, IEC 60502 part 1 : 2021
640	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 1 kV up to 3 kV	Water Absorption (Gravimetric)	Cl.17,18, IEC 60502 part 1 : 2021
641	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 1 kV up to 3 kV	Water Immersion Test	Cl.17, 18, IEC 60502 part 1 : 2021
642	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 3 kV Cables for rated voltages above 30 kV up to 150 kV	Capacitance Measurement	Cl.18, IEC 60502 part 2 : 2014
643	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Tan Delta Measurement at ambient and elevated temperature	Cl.18, IEC 60502 part 2 : 2014
644	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Capacitance Measurement	Cl.12, IEC 60840 : 2020
645	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Conductor Resistance Test/ Armour resistivity Test	Cl.12, IEC 60840 : 2020

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646	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.12, IEC 60840 : 2020
647	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Tan Delta Measurement at ambient &elevated temperature	Cl.12, IEC 60840 : 2020
648	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Thickness and dimension test	Cl.12, IEC 60840 : 2020
649	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Cold Elongation test	Cl.12, IEC 60840 : 2020
650	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Load cycle test	Cl.12, IEC 60840 : 2020
651	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Load Cycle test	Cl.12, IEC 60840 : 2020
652	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Mechanical test Cold Impact test	Cl.12, 19, IEC 60840 : 2020
653	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Power frequency test	Cl.12, IEC 60840 : 2020
654	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Pre Qualification test	Cl.12, IEC 60840 : 2020
655	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Pre Qualification test	Cl.12, IEC 60840 : 2020
656	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Water penetration test	Cl.12, IEC 60840 : 2020
657	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Above 30 kV up to 150 kV	Water Penetration test	Cl.12, IEC 60840 : 2020
658	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Ageing in air oven	Cl. 18, IEC 60502 part 1 : 2021
659	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Breaking Strength test (Elongation at Break test)	Cl.17, 18, IEC 60502 Part 1 : 2021
660	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Carbon Black content test	Cl.18, IEC 60502 part 1 : 2021
661	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Flame Retardant test (Flammability test)	Cl.17, 18, IEC 60502, Part-1 : 2021
662	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Flame Retardant test on Bunch of Cables	Cl.18, IEC 60502, Part-1 : 2021
663	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Hot set test	Cl.18, IEC 60502 part 1 : 2021

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664	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Impulse withstand test	Cl.17,18, IEC 60502 part I-2021
665	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Insulation Resistance test	Cl.18, IEC 60502 part 1 : 2021
666	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Loss of mass test	Cl.18, IEC 60502 part 1 : 2021
667	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Mechanical test Tensile test	Cl.18, IEC 60502 part 1 : 2021
668	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Mineral Oil Immersion test	Cl.18, IEC 60502 part 1 : 2021
669	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Pressure test at high temperature	Cl.18, IEC 60502 part 1 : 2021
670	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Shrinkage test	Cl.18, IEC 60502 part 1 : 2021
671	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories Cables for rated voltages 1 kV up to 3 kV	Test for resistance to cracking test	Cl.18, IEC 60502 part 1 : 2021
672	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 1 kV up to 3 kV	Dimension of Armour Material	Cl.18, IEC 60502 part 1 : 2021
673	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Ageing in air oven	Cl.18, 19, IEC 60502, Part-2 : 2014
674	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Bending test	Cl.18, 19, IEC 60502, Part-2 : 2014
675	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Carbon Black content test	Cl.18, 19, IEC 60502, part-2 : 2014
676	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Cold bend test	Cl.18, 19, IEC 60502, part-2 : 2014
677	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Cold Elongation test	Cl.18, IEC 60502, Part-2 : 2014
678	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Conditioning test	Cl.18, IEC 60502, Part-2 : 2014
679	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Dimension of Armour Material	Cl.18, IEC 60502 part 2 : 2014
680	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Electrical heat cycle test	Cl.18, IEC 60502 part 2 : 2014
681	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Flame Retardant test (Flammability test)	Cl.18, IEC 60502, Part-2 : 2014
682	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Flame Retardant test on Bunch of Cables	Cl.18, IEC 60502, Part-2 : 2014

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683	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Hot set test	Cl.18, IEC 60502, part-2 : 2014
684	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	IR Constant test	Cl.17, IEC 60502, part-2 : 2014
685	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Load cycle test	Cl.18, IEC 60502 part 2 : 2014
686	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Loss of mass test	Cl.18, IEC 60502, part-2 : 2014
687	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Mechanical test Cold impact test	Cl.18, IEC 60502, Part-2 : 2014
688	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Mineral Oil immersion test	Cl.18, IEC 60502, part-2 : 2014
689	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Partial discharge Test	Cl.18, IEC 60502 (part 2) : 2014
690	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.18, IEC 60502 part 2 : 2014
691	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.18, IEC 60502 part 2 : 2014
692	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Pre Qualification test	Cl.18, IEC 60502 part 2 : 2014
693	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Pressure test at high temperature	Cl.18, IEC 60502, part-2 : 2014
694	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Resistivity test on semiconducting screen	IEC 60502, Part 2 : 2014
695	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Shrinkage test	Cl.18, IEC 60502, part-2 : 2014
696	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Strippability test on Semiconducting screen	IEC 60502, part 2 : 2014
697	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Test for Resistance to cracking	Cl.18, IEC 60502, Part-2 : 2014
698	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Thickness and dimension test	Cl.18, IEC 60502 part 2 : 2014
699	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Volume Resistivity test	Cl.18, IEC 60502, Part-2 : 2014
700	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Water Absorption (Gravimetric)	Cl.18, IEC 60502 part 2 : 2014
701	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages 6 kV up to 30 kV	Water penetration test	Cl.18, IEC 60502 part 2 : 2014

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702	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded insulation and their accessories for rated voltages above 150 kV up to 500 kV	Capacitance measurement	Cl.12, IEC 62067 : 2011
703	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded insulation and their accessories for rated voltages above 150 kV up to 500 kV	Conductor Resistance test	Cl.12, IEC 60227 :2011
704	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded insulation and their accessories for rated voltages above 150 kV up to 500 kV	Impulse withstand Test/ Pre Qualification Test	Cl.12, 13, IEC 62067 : 2011
705	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded insulation and their accessories for rated voltages above 150 kV up to 500 kV	Load Cycle test	Cl.12, IEC 62067 : 2011
706	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded insulation and their accessories for rated voltages above 150 kV up to 500 kV	Load Cycle test	Cl.12, IEC 62067 : 2011
707	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded insulation and their accessories for rated voltages above 150 kV up to 500 kV	Pre Qualification test	Cl.12, IEC 62067 : 2011
708	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded insulation and their accessories for rated voltages above 150 kV up to 500 kV	Pre qualification test	Cl.12, IEC 62067 : 2011
709	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded insulation and their accessories for rated voltages above 150 kV up to 500 kV	Tan delta at ambient and elevated temperature	Cl.12, IEC 62067 : 2011
710	ELECTRICAL- CABLES & WIRES	Power Cables with Extruded insulation and their accessories for rated voltages above 150 kV up to 500 kV	Water penetration test	Cl.12, IEC 62067 : 2011
711	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories for rated voltages Above 30 kV up to 150 kV	Partial Discharge test	Cl.12, IEC 60840 : 2020
712	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories- Cables for rated voltages 1 kV up to 3 kV	Acid Gas Emission test	Cl.18, IEC 60502, Part-1 : 2021
713	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories- Cables for rated voltages 1 kV up to 3 kV	Conductor resistance test	Cl.16, IEC 60502, Part-1 : 2021
714	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories- Cables for rated voltages 1 kV up to 3 kV	Conductor Resistance test	Cl.18, IEC 60502, Part-2 : 2014
715	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories- Cables for rated voltages 1 kV up to 3 kV	Fluorine Content test	Cl.18, IEC 60502, Part-1 : 2021/ IEC 60684-2
716	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories- Cables for rated voltages 1 kV up to 3 kV	pH and Conductivity test	Cl.18, IEC 60502, Part-1 : 2021
717	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories- Cables for rated voltages 1 kV up to 3 kV	Smoke Emission test	Cl.18, IEC 60502, Part-1 : 2021
718	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories-Cables for rated voltages 1 kV up to 3 kV	Cold Bend test	Cl.18, IEC 60502, Part-1 : 2021
719	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories-Cables for rated voltages 1 kV up to 3 kV	Cold Elongation test	Cl.18, IEC 60502, Part-1 : 2021
720	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories-Cables for rated voltages 1 kV up to 3 kV	Conditioning test	Cl.18, IEC 60502, Part-1 : 2021

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721	ELECTRICAL- CABLES & WIRES	Power cables with extruded insulation and their accessories-Cables for rated voltages 1 kV up to 3 kV	Mechanical test Cold impact test	Cl.18, IEC 60502, Part-1 : 2021
722	ELECTRICAL- CABLES & WIRES	power cables with rated voltages from 3.6/6 kV up to and including 20.8/36 kV	Power frequency withstand test	VDE -0278-442:2006
723	ELECTRICAL- CABLES & WIRES	power cables with rated voltages from 3.6/6 kV up to and including 20.8/36kV	Mechanical Test: Impact Test	DIN EN 61442 : 2005
724	ELECTRICAL- CABLES & WIRES	PVC Cables Upto and including 1.1kV	Flame Retardant test (Flammability test)	Cl.10, IS 694, 2010, RA : 2020
725	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for Electric Supply for working voltages up to and including 1100 Volts	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl.15, IS 1554 part 1, 1988, RA : 2020
726	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 Volts	Thickness and dimension test	Cl.10, IS 694, 2010, RA : 2020
727	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 Volts	Water Immersion Test	BS EN 50363-8 : 2005 / Cl.10, IS 694 : 2010, RA : 2020
728	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Thermal Stability Test for PVC material	Cl.11, IS 694, 2010, RA : 2020
729	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables from 3.3 kV up to and including 11 kV	Capacitance Measurement	Cl.18, IS 1554 part 2, 1988, RA : 2020
730	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables from 3.3 kV up to and including 11 kV	Tan Delta Measurement at ambient and elevated temperature	Cl.18, IS 1554 part 2, 1988, RA : 2020
731	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Impulse withstand Test/ Pre Qualification Test	Cl.18, IS 1554 part 2, 1988, RA : 2020
732	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Thermal Stability Test for PVC material	Cl.18, IS 1554 part 2, 1988, RA : 2020
733	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl.18, IS 1554 part 2, 1988, RA : 2020
734	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Ageing in air oven	Cl.18, IS 1554 part 2, 1988, RA : 2020
735	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Armour Resistivity test	Cl.18, IS 1554 part 2, 1988, RA 2020
736	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Breaking strength test (Elongation at break test)	Cl.18, IS 1554 part 2, 1988, RA 2020
737	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Conductor Resistance test	Cl.18, IS 1554 part 2, 1988, RA : 2020
738	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Dimension of Armour Material	Cl.18, IS 1554 part 2, 1988, RA : 2020

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739	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Electrical Heat Cycle test	Cl.18, IS 1554 part 2, 1988, RA : 2020
740	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Flame Retardance test (Sweedish Chimney test)	Cl.18, IS 1554 part 2, 1988, RA : 2020
741	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Flame retardance test on bunch of cables	Cl.18, IS 1554 part 2, 1988, RA : 2020
742	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Flame Retardant test (Flammability test)	Cl.18, IS 1554 part 2, 1988, RA : 2020
743	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Halogen Content test	IS 1554, Part-2, 1988, RA : 2020
744	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Heat Shock test	Cl.18, IS 1554 part 2, 1988, RA : 2020
745	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Hot deformation test	Cl.18, IS 1554 part 2, 1988, RA : 2020
746	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Insulation Resistance test	Cl.18, IS 1554 part 2, 1988, RA : 2020
747	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Load cycle test	Cl.18, IS 1554 part 2, 1988, RA : 2020
748	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Loss of mass test	Cl.18, IS 1554 part 2, 1988, RA : 2020
749	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Mechanical test Cold Impact test	Cl.18, IS 1554 part 2, 1988, RA : 2020
750	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Mechanical test Tensile test	Cl.18, IS 1554 part 2, 1988, RA : 2020
751	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Oxygen Index test & Temperature Index test	IS 1554, Part-2, 1988, RA : 2020
752	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Percentage of Armour Coverage	IS 1555 Part 2, 1988, RA : 2020
753	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.18, IS 1554 part 2, 1988, RA : 2020
754	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.18, IS 1554 part 2, 1988, RA : 2020
755	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Shrinkage test	Cl.18, IS 1554 part 2, 1988, RA : 2020
756	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Smoke Density test	IS 1554 Part 2, 1988, RA : 2020
757	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Thickness and dimension test	Cl.18, IS 1554 part 2, 1988, RA : 2020

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758	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3 kV up to and including 11 kV	Water Absorption (Gravimetric)	Cl.18, IS 1554 part 2, 1988, RA : 2020
759	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages from 3.3kV up to and including 11 kV	Partial discharge Test	IS 1554 part 2, 1988, RA : 2020
760	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Thermal Stability Test for PVC material	Cl.15, IS 1554 part 1, 1988, RA : 2020
761	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts From 3.3 kV up to and including 11kV	Insulation Resistance Test/ Volume resistivity/ IR Constant	Table 10, IS 694, 2010, RA : 2020
762	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts From 3.3 kV up to and including 11 kV	Partial discharge Test	IEC 60885-3 : 2015
763	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Armour Resistivity tets	Cl.15, IS 1554 part 1, 1988, RA : 2020
764	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Conductor Resistance test	Cl.15, IS 1554 part 1, 1988, RA : 2020
765	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	DC withstand Test	Cl.15, IS 1554 part1, 1988, RA: 2020
766	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Dimension of armour material	Cl.15, IS 1554 part 1, 1988, RA : 2020
767	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Dimension of Armour Material	IS 10810 pt.36, 2012, RA : 2016
768	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Power Frequency Withstand Test/ Dielectric strength	Cl.15, IS 1554 part 1, 1988, RA : 2020
769	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Power Frequency Withstand Test/ Dielectric strength	Cl.15, IS 1554 part1, 1988, RA : 2020
770	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Thickness and dimension test	Cl.15, IS 1554 part 1, 1988, RA : 2020
771	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Water Immersion test	Cl.15, IS 1554 part 1, 1988, RA : 2020
772	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100 Volts	Water Immersion Test/ Absence of faults in the insulation	Cl.15, IS 1554 part 1, 1988, RA : 2020
773	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100Volts	Breaking Strength test (Elongation at break test)	Cl.15, IS 1554 part 1,1988, RA : 2020
774	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100Volts	Insulation Resistance test	Cl.15, IS 1554 part 1,1988, RA : 2020
775	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100Volts	Mechanical test Tensile strength test	Cl.15, IS 1554 part 1,1988, RA : 2020

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776	ELECTRICAL- CABLES & WIRES	PVC insulated (Heavy Duty) Electric Cables for working voltages up to and including 1100Volts	Volume Resistivity test	Cl.15, IS 1554 part 1,1988, RA : 2020
777	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for Electric Supply for working voltages up to and including 1100 Volts	Adhestion test	IS 1554, Part 1, 1988, RA : 2020
778	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for Electric Supply for working voltages up to and including 1100 Volts	Halogen Content test	IS 1554 Part 1, 1988, RA : 2020
779	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for Electric Supply for working voltages up to and including 1100 Volts	Oxygen Index test and Temperature Index test	IS 1554, Part 1, 1988, RA : 2020
780	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for Electric Supply for working voltages up to and including 1100 Volts	Percentage of Armour Coverage	IS 1554 Part 1, 1988, RA : 2020
781	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for Electric Supply for working voltages up to and including 1100 Volts	Smoke Density test	IS 1554, Part 1, 1988, RA : 2020
782	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for Electric Supply for working voltages up to and including 1100 Volts	Uniformity of Zinc Coating (Mass of Zinc Coating)	IS 1554, Part 1, 1988, RA : 2020
783	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for Electric Supply for working voltages up to and including 1100 Volts	Winding test	IS 1554 Part 1, 1988, RA : 2020
784	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	DC withstand Test	Cl.10, IS 694, Table 1, RA : 2020
785	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	Additional ageing test	IS 694, 2010, RA : 2020
786	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	Conductor Resistance test	Cl.10, IS 694, 2010, RA : 2020
787	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	Halogen Content test	IS 694, 2010, RA : 2020
788	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	Oxygen Index test and Temperature Index test	IS 694, 2010, RA : 2020
789	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	Per Sulphate test	IS 694, 2010, RA : 2020
790	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	Power Frequency Withstand Test/ Dielectric strength	Cl.10, IS 694, 2010, RA : 2020
791	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	Power Frequency Withstand Test/ Dielectric strength	Cl.10, IS 694, 2010, RA : 2020
792	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	Smoke Density test	IS 694, 2010, RA : 2020
793	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 Volts	Water Immersion Test/ Absence of faults in the insulation	Cl.10, IS 694, 2010, RA : 2020

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794	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100 volts	Wrapping test	IS 694, 2010, RA : 2020
795	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Annealing test	Cl.10, IS 694, 2010, RA : 2020
796	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Breaking strength test (Elongation at break test)	Cl.10, IS 694, 2010, RA : 2020
797	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Cold Bend test	Cl.10, IS 694, 2010, RA : 2020
798	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Cold Bend test	Cl.15, IS 1554 part 1, 1988, RA : 2020
799	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Cold Elongation test	Cl.10, IS 694, 2010, RA : 2020
800	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Cold Elongation test	Cl.15, IS 1554 part 1, 1988, RA : 2020
801	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Mechanical test Cold impact test	Cl.10, IS 694, 2010, RA : 2020
802	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Mechanical test Cold impact test	Cl.15, IS 1554 part 1, 1988, RA : 2020
803	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Mechanical test Tensile strength test	Cl.10, IS 694, 2010, RA : 2020
804	ELECTRICAL- CABLES & WIRES	PVC insulated Cables for working voltages up to and including 1100Volts	Resistivity of Armour	IS 1554 Part 1, 1988, RA : 2020
805	ELECTRICAL- CABLES & WIRES	PVC insulated Cables of rated voltages up to and including 450/750 Volts	Cold bend test	Cl.12, IEC 60227, Part 1 to 6 : 2011
806	ELECTRICAL- CABLES & WIRES	PVC insulated Cables of rated voltages up to and including 450/750 Volts	Cold Elongation test	Cl.12, IEC 60227, Part 1 to 6 : 2011
807	ELECTRICAL- CABLES & WIRES	PVC insulated Cables of rated voltages up to and including 450/750 Volts	Mechanical test Cold Impact test	Cl.12, IEC 60227, Part 1 to 6 : 2011
808	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of rated Voltages up to and including 450/750 Volts	Thickness and dimension test	Cl.12, IEC 60227, Part 1 to 6 : 2011
809	ELECTRICAL- CABLES & WIRES	PVC insulated Cables upto and including 1100 Volts	Ageing in air oven	Cl.10, IS 694, 2010, RA 2020
810	ELECTRICAL- CABLES & WIRES	PVC insulated Cables upto and including 1100 Volts	Heat shock test	Cl.10, IS 694, 2010, RA : 2020
811	ELECTRICAL- CABLES & WIRES	PVC insulated Cables upto and including 1100 Volts	Hot Deformation test	Cl.10, IS 694, 2010, RA : 2020
812	ELECTRICAL- CABLES & WIRES	PVC insulated Cables upto and including 1100 Volts	Loss of mass test	Cl.10, IS 694, 2010, RA : 2020

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813	ELECTRICAL- CABLES & WIRES	PVC insulated Cables upto and including 1100 Volts	Shrinkage test	Cl.10, IS 694, 2010, RA : 2020
814	ELECTRICAL- CABLES & WIRES	PVC insulated Heavy Duty Electric Cables for working voltages up to and including 1100 Volts	Flame Retardance test (Sweedish Chimney test)	Cl.15, IS 1554 part 1, 1988, RA : 2020
815	ELECTRICAL- CABLES & WIRES	PVC insulated Heavy Duty Electric Cables for working voltages up to and including 1100 Volts	Flame retardance tets on bunched cables	Cl.15, IS 1554 part 1, 1988, RA : 2020
816	ELECTRICAL- CABLES & WIRES	PVC insulated Heavy Duty Electric Cables for working voltages up to and including 1100 Volts	Flame Retardant test	Cl.15, IS 1554 part 1, 1988, RA : 2020
817	ELECTRICAL- CABLES & WIRES	PVC insulated Heavy Duty Electric Cables for working voltages up to and including 1100 Volts	Flame retardant test (Flammability test)	Cl.15, IS 1554 part 1, 1988, RA : 2020
818	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Ageing in air oven	Cl.15, IS 1554 part 1, 1988, RA : 2020
819	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Heat Shock test	Cl.15, IS 1554 part 1, 1988, RA : 2020
820	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Hot Deformation test	Cl.15, IS 1554 part 1, 1988, RA : 2020
821	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Hot set test	Cl.15, IS 1554 part 1, 1988, RA : 2020
822	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Loss of mass test	Cl.15, IS 1554 part 1, 1988, RA : 2020
823	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Pressure test at high temperature	Cl.15, IS 1554 part 1, 1988, RA : 2020
824	ELECTRICAL- CABLES & WIRES	PVC insulated(Heavy Duty) Electric cables for working voltages up to and including 1100 Volts	Shrinkage test	Cl.15, IS 1554 part 1, 1988, RA : 2020
825	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltage Up to and including 450/750 Volts	Conductor Resistance test	IEC 60245, Part 1 to 7 : 2011
826	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltage Up to and including 450/750 Volts	Power Frequency Withstand Test/ Dielectric strength	IEC 60245, part 1 to 5 : 2011
827	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltage Up to and including 450/750 Volts	Power Frequency Withstand Test/ Dielectric strength	IEC 60245, part 1 to 5 : 2011
828	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltage Up to and including 450/750 Volts	Resistivity of Armour	IEC 60245, part 1 to 5 : 2011
829	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages up to and including 450/750 Volts	Annealing test	IEC 60245, Part 1 to 7 : 2011
830	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages up to and including 450/750 Volts	Breaking strength test (Elongation at break test)	IEC 60245, Part 1 t o 7 : 2011
831	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages up to and including 450/750 Volts	Insulation Resistance test	IEC 60245, Part 1 to 7 : 2011

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832	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages up to and including 450/750 Volts	Mechanical test tensile strength test	IEC 60245, Part-1 to 7: 2011
833	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages up to and including 450/750 Volts	Tear Resistance test	IEC 60245, Part-1 to 7: 2011
834	ELECTRICAL- CABLES & WIRES	Rubber Insulated Cables of rated voltages Up to and including 450/750 Volts	Thickness and dimension test	IEC 60245 part 1 to 7: 2011
835	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Ageing in air bomb	IEC 60245, Part 1 to 7: 2011
836	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Ageing in air oven	IEC 60245, Part 1 to 7: 2011
837	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Carbon Black content test	IEC 60245, Part 1 to 7: 2011
838	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Cold Bend test	IEC 60245, Part 1 to 7: 2011
839	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Cold Elongation test	IEC 60245, part 1 to 7: 2011
840	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Conditioning test	IEC 60245 Part 1 to 7: 2011
841	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Heat Shock test	IEC 60245, Part 1 to 7: 2011
842	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Hot Deformation test	IEC 60245, Part 1 to 7: 2011
843	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Hot set test	IEC 60245, Part 1 to 7: 2011
844	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Loss of mass test	IEC 60245, Part 1 to 7: 2011
845	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Mechanical test Cold Impact test	IEC 60245, Part 1 to 7: 2011
846	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Mineral Oil Immersion test	IEC 60245, Part 1 to 7: 2011
847	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Pressure test at high temperature	IEC 60245, Part 1 to 7: 2011
848	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Shrinkage test	IEC 60245, Part 1 to 7 : 2011
849	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Shrinkage test	IEC 60245, Part 1 to 7: 2011
850	ELECTRICAL- CABLES & WIRES	Rubber insulated Cables of rated voltages upto and including 450/ 750 Volts	Test for Resistance to cracking	IEC 60245, Part 1 to 7 : 2011

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851	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Capacitance Measurement	IEC 60092-350 : 2020
852	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Conductor Resistance Test	IEC 60092-350 : 2020
853	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Impulse withstand test	IEC 60092-350 : 2020
854	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Partial Discharge test	IEC 60092-350 : 2020
855	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Power Frequency Withstand Test/ Dielectric strength	IEC 60092-350 : 2020
856	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Power Frequency Withstand Test/ Dielectric strength	IEC 60092-350 : 2020
857	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Tan delta Measurement	IEC 60092-350 : 2020
858	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Ageing in air oven	IEC 60092-350 : 2020
859	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Breaking strength test (Elongation at break test)	IEC 60092-350 : 2020
860	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Cold Elongation test	IEC 60092-350 : 2020
861	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Cold Impact test	IEC 60092-350 : 2020
862	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Cold Impact test	IEC 60092-350 : 2020
863	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Electrical Heat cycle test	IEC 60092-350 : 2020
864	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Flame Retaradant test	IEC 60092-350 : 2020
865	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Halogen Acid test	IEC 60092-350 : 2020
866	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Heat Shock test	IEC 60092-350 : 2020
867	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Hot deformation test	IEC 60092-350 : 2020
868	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Hot set test	IEC 60092-350 : 2020
869	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Load cycle test	IEC 60092-350 : 2020

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870	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Loss of mass test	IEC 60092-350 : 2020
871	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Mechanical test Tensile strength test	IEC 60092-350 : 2020
872	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Mineral Oil Immersion test	IEC 60092-350 : 2020
873	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Pressure test at high temperature	IEC 60092-350 : 2020
874	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Shrinkage test	IEC 60092-350 : 2020
875	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Tear Resistance test	IEC 60092-350 : 2020
876	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Test for resistance to cracking	IEC 60092-350 : 2020
877	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Water penetration test	IEC 60092-350 : 2020
878	ELECTRICAL- CABLES & WIRES	Ship Board Power Cables	Zero Halogen test/pH & Conductivity test	IEC 60092-350 : 2020
879	ELECTRICAL- CABLES & WIRES	Single core PVC insulated flexible cables of rated voltage 600/1000 V for switch gear and control gear wiring	Power Frequency Withstand Test/ Dielectric strength	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006
880	ELECTRICAL- CABLES & WIRES	Single core PVC insulated flexible cables of rated voltage 600/1000 V for switch gear and control gear wiring	Power Frequency Withstand Test/ Dielectric strength	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006
881	ELECTRICAL- CABLES & WIRES	Single core PVC insulated flexible cables of rated voltage 600/1000 V for switch gear and control gear wiring	Conductor resistance test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.11, BS 6231 : 2006

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882	ELECTRICAL- CABLES & WIRES	Solid electrical insulating materials	Fire retardant/ Flammability	IS 11731 pt. 1& 2, 1986, RA : 2016
883	ELECTRICAL- CABLES & WIRES	Surge arrestors for alternating Current Systems	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 15086 part 1, 2001, RA : 2011
884	ELECTRICAL- CABLES & WIRES	Surge Arrestors-Metal Oxide Surge Arrestors with out gaps for ac systems	Partial discharge Test	Cl.6.4, IEC 60099-4 : 2014
885	ELECTRICAL- CABLES & WIRES	Surge Arrestors-Metal Oxide Surge Arrestors with out gaps for ac systems	Partial discharge Test	IS 3070-part 3 : 1993
886	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Ageing air bomb	Cl. 14, BS 5467 : 2016
887	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Ageing in air oven	Cl. 14, BS 5467 : 2016
888	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Breaking strength test (Elongation at break test)	Cl.14, BS 5467 : 2016
889	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Conductor Resistance Test/ Armour resistivity Test	Cl.14, BS 5467 : 2016
890	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Dimension of Armour Material	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.14, BS 5467 : 2016
891	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Fire Retardant/ Flammability Test	Cl.14, BS 5467 : 2016
892	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Hot set test	Cl.14, BS 5467 : 2016
893	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Mechanical test Tensile Strength test	Cl.14, BS 5467 : 2016
894	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Power Frequency withstand test	Cl.14, BS 5467 : 2016
895	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Power Frequency Withstand Test/ Dielectric strength	Cl.14, BS 5467 : 2016
896	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Pressure test at high temperature	Cl.14, BS 5467 : 2016
897	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Shrinkage test	Cl.14, BS 5467 : 2016

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898	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Tear Resistance test	Cl.14, BS 5467 : 2016
899	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Thickness and dimension test	Cl.14, BS 5467 : 2016
900	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Water Absorption (Gravimetric)	Cl.14, BS 5467 : 2016
901	ELECTRICAL- CABLES & WIRES	Thermosetting insulated , armoured Cables of rated voltages of 600/1000 V & 1900/3300 V for fixed installation	Water immersion test	Cl.14, BS 5467 : 2016
902	ELECTRICAL- CABLES & WIRES	Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases HFFR cables for working voltages upto and including 1100 Volts	Oxygen Index Test, Temperature Index Test	Table 9, (iv)j&K, IS 17505(part I)- 2021 / Table 2 Cl. III c(iv), Cl.IIIe(iii) of IS 17048 : 2018
903	ELECTRICAL- CABLES & WIRES	Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases ,PVC insulated Cables for Electric Supply for working voltages up to and including 1100 Volts	Torsion test	IS 17505(Part)I-2021 / IS 1554, Part 1, 1988, RA : 2020
904	ELECTRICAL- CABLES & WIRES	Thermosetting Insulated fire survival Cables having low emission of smoke and corrosive gases, HFFR cables for working voltages upto and including 1100 Volts	Hot Deformation Test	Table 2, IS 17505(Part-I)- 2021 / Table 2 Cl. IIIc(vii), Cl.e(vi) of IS 17048 : 2018
905	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Ageing in air bomb	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.14, BS 7846 : 2015
906	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Ageing in air oven	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.14, BS 7846 : 2015
907	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Hot set test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.14, BS 7846 : 2015

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908	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Pressure test at high temperature	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.14, BS 7846 : 2015
909	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Shrinkage test	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.14, BS 7846 : 2015
910	ELECTRICAL- CABLES & WIRES	Thermosetting insulated, armoured fire resistant 600/1000 V Cable having low emission of smoke and corrosive gases	Water immersion test	Cl.14, BS 7846 : 2015
911	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV up to and including 33 kV	Conductor Resistance test	IS 13705, 1993, RA : 2019
912	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV up to and including 33 kV	DC withstand Test	IS 13705, 1993, RA: 2019
913	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV up to and including 33 kV Type tests for joints for 600/1000volts CNE Cable Systems	Mechanical Test: Impact Test	IS 13705, 1993, RA: 2019
914	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV up to and including 33kV	Power Frequency Withstand Test/ Dielectric strength	IS 13705, 1993, RA: 2019
915	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV up to and including 33kV	Power Frequency Withstand Test/ Dielectric strength	IS 13705, 1993, RA: 2019
916	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33 kV	Capacitance Measurement	IS 13705, 1993, RA : 2019
917	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33 kV	Electrical Heat cycle Test /Load Cycle Test/ Water penetration Test/ Pre Qualifciation Test	IS 13705, 1993, RA: 2019
918	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33 kV	Electrical Heat cycle Test /Load Cycle Test/ Water penetration Test/ Pre Qualifciation Test	IS 13705, 1993, RA: 2019
919	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33 kV	Partial discharge Test	IS 13705, 1993, RA : 2019
920	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33kV	Insulation Resistance Test/ Volume resistivity/ IR Constant	IS 13705, 1993, RA : 2019

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921	ELECTRICAL- CABLES & WIRES	Transition Joints of Power Cables from 11 kV upto and including 33kV	Tan Delta Measurement at ambient and elevated temperature	IS 13705, 1993, RA : 2019
922	ELECTRICAL- CABLES & WIRES	Uniformity & Mass of Zinc Coating on steel armour	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	IS 10810 part 40-41, 1984, RA : 2016
923	ELECTRICAL- CABLES & WIRES	Unsaturated polyester Resin systems	Fire Retardant/ Flammability Test	IS 6746- APPENDIX-N, 1994, RA : 2020
924	ELECTRICAL- CABLES & WIRES	XLPE Insulated Cables for working voltages from 66 kV up to and including 220 kV	Ageing in air oven	Cl.19, IS 7098 part 3 , 1993, RA : 2014
925	ELECTRICAL- CABLES & WIRES	XLPE Insulated Cables for working voltages from 66.kV up to and including 220 kV	Ageing in air bomb	Cl.19, IS 7098 part 3 , 1993, RA : 2014
926	ELECTRICAL- CABLES & WIRES	XLPE Insulated Cables for working voltages from 66.kV up to and including 220 kV	Carbon Black content test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
927	ELECTRICAL- CABLES & WIRES	XLPE Insulated Cables for working voltages from 66.kV up to and including 220 kV	Heat Shock test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
928	ELECTRICAL- CABLES & WIRES	XLPE Insulated Cables for working voltages from 66.kV up to and including 220 kV	Hot Deformation test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
929	ELECTRICAL- CABLES & WIRES	XLPE Insulated Cables for working voltages from 66.kV up to and including 220 kV	Hot set test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
930	ELECTRICAL- CABLES & WIRES	XLPE Insulated Cables for working voltages from 66.kV up to and including 220 kV	Loss of mass test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
931	ELECTRICAL- CABLES & WIRES	XLPE Insulated Cables for working voltages from 66.kV up to and including 220 kV	Pressure test at high temperature	Cl.19, IS 7098 part 3 , 1993, RA : 2014
932	ELECTRICAL- CABLES & WIRES	XLPE Insulated Cables for working voltages from 66.kV up to and including 220 kV	Shrinkage test	Cl.19, IS 7098 Pt. III :1993, RA : 2014
933	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1 kV	Thermal Stability Test for PVC material	BS EN 50525-1:2011 / BS EN 50525-3-41:2011 / BS EN 50525-2-31:2011 / BS EN 50525-2-83:2011 / BS EN 50525-3-31:2011 / BS EN 50525-2-51:2011 / BS EN 50525-2-11:2011 / Cl.15, IS 7098 part 1 : 1988, RA : 2020
934	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1kV	Water Absorption (Gravimetric)	Cl.15, IS 7098 part 1, 1988, RA : 2020
935	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Ageing in air oven	Cl.15, IS 7098 part 1, 1988, RA : 2020
936	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Breaking strength test (Elongation at break test)	Cl.15, IS 7098 part 1, 1988, RA : 2020

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937	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Flame Retardancy test (Sweedish Chimney test)	Cl.15, IS 7098 part 1, 1988, RA : 2020
938	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Flame Retardancy test on Bunched Cables	Cl.15, IS 7098 part 1, 1988, RA : 2020
939	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Flame Retardant test (Flammability test)	Cl.15, IS 7098 part 1, 1988, RA : 2020
940	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Halogen Content test	IS 7098, Part 1, 1988, RA : 2020
941	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Heat shock test	Cl.15, IS 7098 part 1, 1988, RA : 2020
942	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	High Voltage test	IS 7098, Part 1, 1988, RA : 2020
943	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Hot deformation test	Cl.15, IS 7098 part 1, 1988, RA : 2020
944	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Hot set test	Cl.15, IS 7098 part 1, 1988, RA : 2020
945	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Insulation Resistance test	Cl.15, IS 7098 part 1, 1988, RA : 2020
946	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	IR Constant test	Cl.15, IS 7098 part 1, 1988, RA : 2020
947	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Loss of mass test	Cl.15, IS 7098 part 1, 1988, RA : 2020
948	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Mechanical test Tensile strength test	Cl.15, IS 7098 part 1, 1988, RA : 2020
949	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Oxygen Index test and Temperature Index test	IS 7098 Part 1, 1988, RA : 2020
950	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Percentage of Armour Coverage	IS 7098, Part 1, 1988, RA : 2020
951	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Shrinkage test	Cl.15, IS 7098 part 1, 1988, RA : 2020
952	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Smoke Density test	IS 7098, Part 1, 1988, RA : 2020
953	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Thermal Stability test	IS 7098, Part 1, 1988, RA : 2020
954	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Thickness and dimension test	Cl.15, IS 7098 part 1, 1988, RA : 2020
955	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Thickness and dimension test	Cl.19, IS 7098 part 3 , 1993, RA : 2014

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956	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1 kV	Volume Resistivity test	Cl.15, IS 7098 part 1, 1988, RA : 2020
957	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1kV	Armour Resistivity test	Cl.15, IS 7098 part 1, 1988, RA : 2020
958	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1kV	Conductor Resistance test	Cl.15, IS 7098 part 1, 1988, RA : 2020
959	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1kV	Dimension of Armour Material	Cl.15, IS 7098 part 1, 1988, RA : 2020
960	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for voltages up to and including 1.1kV	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl.15, IS 7098 pt. 1 1988, RA :2020
961	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For voltages up to and including 1.1kV	Mechanical test Cold Impact test	Cl.15, IS 7098 part 1, 1988, RA : 2020
962	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Partial discharge Test	Cl.19, IS 7098 (part 2) 2011, RA : 2016
963	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Electrical Heat cycle test	Cl.19, IS 7098 part 2, 2011, RA 2016
964	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Impulse withstand Test	Cl.19, IS 7098 part 2, 2011, RA 2016
965	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Water Penetration test	IS 7098 part 2, 2011, RA 2016
966	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables For working voltages from 3.3 kV up to and including 33KV	Capacitance Measurement	Cl.19, IS 7098 part 2, 2011, RA : 2016
967	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for working voltages up to 1.1 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.15, IS 7098 Part I- 1988, RA : 2020
968	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables for working voltages up to 1.1 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.15, IS 7098 Part I- 1988, RA : 2020
969	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables fr voltages up to and including 1.1 kV	Torsion test	Cl.15, IS 7098 part 1 - 1988, RA : 2020
970	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables fr voltages up to and including 1.1 kV	Winding test	Cl.15, IS 7098 part 1, 1988, RA : 2020
971	ELECTRICAL- CABLES & WIRES	XLPE Insulated PVC sheathed Cables fr voltages up to and including 1.1 kV	Wrapping test	Cl.15, IS 7098 part 1, 1988, RA : 2020
972	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Capacitance Measurement	Cl.19, IS 7098 Part II , 2011, RA : 2016
973	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Galvanising test (Uniformity of Zinc coating & Mass of Zinc coating)	Cl. 19, IS 7098 part 2, 2011, RA : 2016

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974	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.19, IS 7098 part 2, 2011, RA : 2016
975	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.19, IS 7098 part 2, 2011, RA : 2016
976	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Tan delta at ambient and elevated temperature	Cl.19, IS 7098 Part II , 2011, RA : 2016
977	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Thickness and dimension test	Cl.19, IS 7098 part 2 2011, RA : 2016
978	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Water Absorption (Gravimetric)	Cl.19, IS 7098 part 2, 2011, RA : 2016
979	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Conductor Resistance Test/ Armour resistivity Test	Cl.19, IS 7098 part 2, 2011, RA : 2016
980	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables For working voltages from 66.kV up to and including 220 kV	Thermal Stability Test for PVC material	IS 7098 PART 3, 1993, RA : 2014
981	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables For working voltages above 33.kV up to and including 220 kV	Fire Retardant/ Flammability Test	Cl.19, IS 7098 part.3, 1993, RA : 2014
982	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Ageing in air oven	Cl.19, IS 7098 part 2, 2011, RA : 2016
983	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Annealing test	Cl.19, IS 7098 part 2, 2011, RA : 2016
984	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	bending test	Cl.19, IS 7098 part 2, 2011, RA : 2016
985	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Breaking Strength test (Elongation at break)	Cl.19, IS 7098 part 2, 2011, RA : 2016
986	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Carbon Black content test	Cl.19, IS 7098 part 2, 2011, RA : 2016
987	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Flame Retardancy test (Sweedish Chimney test)	Cl.19, IS 7098 part 2, 2011,RA : 2016
988	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Flame Retardant test (Flammability test)	Cl.19, IS 7098 part 2, 2011, RA : 2016
989	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Flame retardant test on Bunched Cables	Cl.19, IS 7098 part 2, 2011, RA : 2016
990	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Heat Shock test	Cl.19, IS 7098 part 2, 2011, RA : 2016
991	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Hot Deformation test	Cl.19, IS 7098 part 2, 2011, RA : 2016
992	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Hot set test	Cl.19, IS 7098 part 2, 2011, RA : 2016

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993	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Insulation Resistance test	Cl.19, IS 7098 part 2, 2011, RA : 2016
994	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Loss of mass test	Cl.19, IS 7098 part 2, 2011, RA : 2016
995	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Mechanical test Cold impact test	Cl.19, IS 7098 part 2, 2011, RA : 2016
996	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Mechanical test Tensile strength test	Cl.19, IS 7098 part 2, 2011, RA : 2016
997	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Resistivity of semiconducting Screen test	Cl.19, IS 7098 part 2, 2011, RA : 2016
998	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Shrinkage test	Cl.19, IS 7098 part 2, 2011, RA : 2016
999	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Strippability test	Cl.19, IS 7098 part 2, 2011, RA : 2016
1000	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Torsion test	Cl.19, IS 7098 part 2, 2011, RA : 2016
1001	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Volume resistivity test	Cl.19, IS 7098 part 2, 2011, RA : 2016
1002	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Winding test	Cl.19, IS 7098 part 2, 2011, RA : 2016
1003	ELECTRICAL- CABLES & WIRES	XLPE Insulated Thermoplastic sheathed Cables For working voltages from 3.3 kV up to and including 33 kV	Wrapping test	Cl.19, IS 7098 part 2, 2011, RA : 2016
1004	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Bending test	Cl.19, IS 7098 part 3, 1993, RA : 2014
1005	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Capacitance Measurement	Cl.19, IS 7098 part 3, 1993, RA : 2014
1006	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Conductor Resistance test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
1007	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Dimension of Armour Material	Cl.19, IS 7098 part 3 , 1993, RA : 2014
1008	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Electrical Heat Cycle test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
1009	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Electrical heat cycle test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
1010	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Mechanical test Cold Impact test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
1011	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Partial Discharge test	Cl.19, IS 7098 part 3 , 1993, RA : 2014

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1012	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.19, IS 7098 part 3 , 1993, RA : 2014
1013	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Power Frequency Withstand Test/ Dielectric strength	Cl.19, IS 7098 part 3 , 1993, RA : 2014
1014	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Resistivity of Armour test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
1015	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Tan Delta Measurement at ambient and elevated temperature	Cl.19, IS 7098 part 3 , 1993, RA : 2014
1016	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Torsion test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
1017	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables for working voltages from 66.kV up to and including 220 kV	Water Penetration test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
1018	ELECTRICAL- CABLES & WIRES	XLPE Insulated thermoplastic sheathed Cables fr working voltages from 66.kV up to and including 220 kV	Impulse withstand Test	Cl.19, IS 7098 part 3 , 1993, RA : 2014
1019	ELECTRICAL- CAPACITORS	AC Motor capacitors	Capacitance Measurement	IS 2998:1998 IEC 60252:1993 / Cl.2.9 of IS 2993-1998/ Cl.5.9 of IEC 60252-1-AMD-1- 2013 / Cl.5.1.9 of IEC 60252-2 - AMD.1-2013
1020	ELECTRICAL- CAPACITORS	AC Motor capacitors	Check for dimensions	IS 2993:1998 IEC 6052:1993/ IS 2993 1998 / Cl.2.11 of IEC 60252-1-2013 / Cl.5.1.11 of IEC 60252-2-2013
1021	ELECTRICAL- CAPACITORS	AC Motor capacitors	Damp Heat test	IS 2993:1998 / IEC 60252:1993 / Cl.2.14 of IS 2993:1998 / Cl.5.14 of IEC 60252-1-2013 / Cl.5.1.14-of IEC 60252-2-2013
1022	ELECTRICAL- CAPACITORS	AC Motor capacitors	Dielectric strength or Voltage test between terminals	IS 2993:1998 IEC 60252:1993 / Cl.2.7 of IS 2993: 1998 / Cl.5.1 of IEC 60252-1 2013 / Cl.5.1.7 of IEC 60252-2-2013
1023	ELECTRICAL- CAPACITORS	AC Motor capacitors	Endurance test	IS 2993:1998 IEC 60252:1993 / Cl.2.13 of .IS 2993 1998 / Cl. 5.13 of IEC 60252-1-2013, Cl.5.13,/ Cl.5.1.13 of IEC 60252-2 -2013
1024	ELECTRICAL- CAPACITORS	AC motor capacitors	Mechanical test	Cl. 2.11 of IS 2993 1998 / Cl. 5.11 of IEC 60252-1 2010 AMD 1-2013 / Cl. 6.1.10 and Cl. 5.1.11 of IEC 60252-2 2010 AMD 1:2013

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1025	ELECTRICAL- CAPACITORS	AC Motor Capacitors	Mechanical tests	IS 2993:1998 IEC 60252-1993 / Cl. 2.11 of IS 2993 1998 / Cl. 5.11 0f IEC 60252-1 2010 A1-2013 / Cl. 6.1.10 and Cl. 5.1.11 of IEC 60252-2 2010 A1-2013
1026	ELECTRICAL- CAPACITORS	AC Motor capacitors	Mechanical tests-Robustness of termination and flexibility test-Tensile, Bending, Torsion, Torque	IS 2993:1998 IEC 60252 - 1993 / Cl.2.11 of IS 2993-1998, Cl.5.1 of IEC 60252-1 2013 / IEC 60252-2 -2013
1027	ELECTRICAL- CAPACITORS	AC Motor capacitors	Pressure relief test	IS 2993-1998 IEC 60252-1993 / l. 6.1.14 of IEC 60252-2 2010 A1-2013
1028	ELECTRICAL- CAPACITORS	AC motor capacitors	Pressure relief test	IS 2993-1998 / Cl. 6.1.14 of IEC 60252-2 2010 AMD 1:2013
1029	ELECTRICAL- CAPACITORS	AC motor capacitors	Resistance to heat fire and tracking	IS 2993-1998 IEC 60252-1 2010 AMD 1-2013 / IEC 60252-2 2010 AMD 1:2013
1030	ELECTRICAL- CAPACITORS	AC Motor capacitors	Robustness of termination - Soldering test	IS 2993:1998 IEC 60252:1993 / Cl.2.11 of IS 2993 1998/ Cl.5.11 of IEC 60252-1 2013 / Cl.5.1.11 of IEC 60252-2 -2013
1031	ELECTRICAL- CAPACITORS	AC Motor capacitors	Sealing Test	IS 2993:1998 IEC 60252:1993 / Cl.2.12 of IS 2993 1998 / Cl.5.12 of , IEC 60252-1 / Cl.5.1.12 of IEC 60252-2 -2013
1032	ELECTRICAL- CAPACITORS	AC Motor capacitors	Self Healing Test	IS 2993:1998 IEC 60252:1993 / Cl.2.15 of IS 2993: 1998 / Cl.5.15 of IEC 60252-1-2013
1033	ELECTRICAL- CAPACITORS	AC Motor capacitors	Tan delta Measurement	IS 2993:1998 IEC 60252:1993/ Cl.2.5 of IS 2993: 1998 / Cl.5.5 of IEC 60252-1-2013 / Cl.5.1.5 of IEC 60252-2-2013
1034	ELECTRICAL- CAPACITORS	AC Motor capacitors	Visual Examination for the Name Plate Details , check for marking	IS 2993:1998 IEC 60252:1993 / Cl. 2.6 of IS 2993 1998 / Cl.5.1 & Cl.5.6 / Cl.8 of IEC 60252-1-2013 / Cl.5.1.6 & Cl.5.4 of IEC 60252-2-2013 / Cl..7.2 of IS 1709-1984, RA-1995 , AMD-1-1986, AMD-2-1989-AMD-3- 2020 / Cl.5 4 of IS 1569-1976, AMD-1981

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1035	ELECTRICAL- CAPACITORS	AC Motor capacitors	Voltage test between terminals and container/case	IS 2993:1998 IEC 60252:1993 / Cl.2.8 of IS 2993: 1998 / Cl.5.8 of IEC 60252-1 2013 / Cl.5.1.8 of IEC 60252-2-2013
1036	ELECTRICAL- CAPACITORS	AC Motor capacitors or Fan capacitors	Destruction test	IS 2993:1998 IEC 60252:1993 / Cl.2.16 of IS 2993-1998 / Cl.5.16 of IEC 60252-1 2013, / Cl.5.1.16 of IEC 60252-2-2013
1037	ELECTRICAL- CAPACITORS	APFC panel for voltage upto and including 1000 V	Insulation Resistance Test	Cl. 5.5 of IS 16636:2017
1038	ELECTRICAL- CAPACITORS	APFC Panel for voltage upto and including 1000 V	Temperature Rise Test	Cl. 5.9 of IS 16636:2017
1039	ELECTRICAL- CAPACITORS	APFC panel for voltage upto and Including 1000 V	Verification of output	Cl.5.3 of IS 16636:2017
1040	ELECTRICAL- CAPACITORS	APFC panels for voltage upto and including 1000 V	Lightning Impulse voltage withstand test	Cl.5.8 of IS 16636:2017
1041	ELECTRICAL- CAPACITORS	APFC panels Voltage upto and including 1000V	Power frequency withstand voltage test between phases	Cl. 5.7 of IS 16636:2017
1042	ELECTRICAL- CAPACITORS	Automatic power factor correction (APFC) Panels for voltage rating up to and including 1000 V	Dielectric tests	Cl. 5.4 of IS 16636:2017
1043	ELECTRICAL- CAPACITORS	Automatic power factor correction (APFC) Panels for voltage rating up to and including 1000 V	Inspection of the panel including inspection wiring	Cl. 5.17 of IS 16636:2017
1044	ELECTRICAL- CAPACITORS	Automatic power factor correction (APFC) Panels for voltage rating up to and including 1000 V	Measurement of transient over currents due to capacitor switching	Cl. 5.16 of IS 16636:2017
1045	ELECTRICAL- CAPACITORS	Automatic power factor correction (APFC) Panels for voltage rating up to and including 1000 V	Power Frequency test between terminals and body	Cl. 5.6 of IS 16636:2017
1046	ELECTRICAL- CAPACITORS	Automatic power factor correction (APFC) Panels for voltage rating up to and including 1000 V	Test for checking the functional operation	Cl. 5.18 of IS 16636-2017
1047	ELECTRICAL- CAPACITORS	Automatic power factor correction (APFC) Panels for voltage rating up to and including 1000 V	Verification of the effectiveness of automatic PF correction	Cl. 5.15 of IS 16636-2017
1048	ELECTRICAL- CAPACITORS	Automatic power factor correction (APFC) Panels for voltage rating up to and including 1000 V	Verification of the effectiveness of connection	Cl. 5.10.1 of IS 16636-2017
1049	ELECTRICAL- CAPACITORS	Automatic power factor correction (APFC) Panels for voltage rating up to and including 1000 V	Voltage withstand test between phases	Cl. 5.7 of IS 16636-2017
1050	ELECTRICAL- CAPACITORS	Capacitor for Power Electonics	Test for Internal Discharge Device	Cl.5.7 of IEC 61881-2010 / Cl. 5.7 of IEC 61071 - 2017
1051	ELECTRICAL- CAPACITORS	Capacitor for Power Electonics	Voltage test between terminals and container	Cl.5.6.2 & Cl.5.6.1 of IEC 61881-2010 / Cl. 5.5.2 & 5.5.3 of IEC 61071 -2017

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1052	ELECTRICAL- CAPACITORS	Capacitor for Power Electronics	Capacitance Measurement	Cl.8.4.2 & Cl.8.4.3 of IEC 62146-2013 / Cl. 5.3 &5.4 of IEC 61881-2010 / Cl. 5.3 of IEC 61071 -2-2017
1053	ELECTRICAL- CAPACITORS	Capacitor for Power Electronics	Destruction Test	Cl.5.16 of IEC 61881-2010 / Cl. 5.16 of IEC 61071-2017
1054	ELECTRICAL- CAPACITORS	Capacitor for Power Electronics	Resonance frequency test	Cl.8.7 of IEC 62146-2013,- AMD 1-2016 / Cl. 5.12 of IEC 61881-2010 / Cl.5.12 of IEC 61071-2017
1055	ELECTRICAL- CAPACITORS	Capacitor for Power Electronics	Tandelta Measurement	Cl. 5.3 & Cl.5.4 of IEC 61881-2010 / Cl. 5.3 & Cl.5.4 of IEC 61071-2017
1056	ELECTRICAL- CAPACITORS	Capacitor for Power Electronics	Test of Internal Discharge Device	Cl.5.7 of IEC 60881-2010 / Cl. 5.7 of IEC 61071-2017
1057	ELECTRICAL- CAPACITORS	Capacitor for Power Electronics	Thermal Stability Test for Capacitors	Cl.5.10 of IEC 61881-2010,Cl. 5.10 of IEC 61071 -2017
1058	ELECTRICAL- CAPACITORS	Capacitor for Power Electronics/Grading Capacitors	Sealing Test/Tightness test	Cl.9.6 of IEC 62146-2013 / Cl.5.8 of IEC 61881-2010 / Cl. 5.8 of IEC 61071 -2017
1059	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Capacitance as function of temperature	Cl. 7.13 of IS 1709-1984-RA-1995, -AMD-1-1986, AMD-2-1989-AMD-3- 2020
1060	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Capacitance Measurement and Capacitance versus temperature	IS IEC 252:1975 RA Mar 2021 / Cl.7.5,Cl.7.13 of IS 1709-1984, RA-1995, RA-1995, AMD-1-1986, AMD-2- 1989-AMD-3- 2020
1061	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Check of dimensions	Cl. 1.1 of IS 1709-1984, RA-1995, AMD-1-1986, AMD-2-1989, AMD-3- 2020
1062	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Damp Heat test	IEC 252-1975 RA Mar 2021 / Cl.7.15 of IS 1709-1984, RA-1995, AMD-1-1986, AMD-2-1989, AMD-3- 2020
1063	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Endurance test	IEC 252:1975 RA Mar 2021 / Cl.7.16 of IS 1709-1984, RA-1995, AMD-1-1986, AMD-2-1989, AMD-3- 2020

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1064	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Measurement of tangent of loss angle/Tan delta Measurement	IEC 252:1975 RA Mar 2021 / Cl.7.6 of IS 1709-1984, RA-1995, AMD-1-1986, AMD-2-1989, AMD-3- 2020
1065	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Robustness of termination - Soldering test	IEC 252:1975 RA Mar 2021 / Cl. 7.11 of IS 1709-1984, RA-1995, AMD-1-1986, AMD-2-1989, AMD-3- 2020
1066	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Sealing Test	IEC 252:1975 RA Mar 2021 / Cl.7.12 of IS 1709-1984, RA-1995, AMD-1-1986, AMD-2-1989, AMD-3- 2020
1067	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Self Healing Test	IEC 252:1975 RA Mar 2021,Cl.7.14 of IS 1709-1984, RA-1995, AMD-1-1986, AMD-2-1989, AMD-3- 2020
1068	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Test for Flexibility of Lead Terminations	Cl. 7.8 of IS 1709-1984, RA-1995, AMD-1-1986, AMD-2-1989, AMD-3- 2020
1069	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Test for flexibility of soldering tags	Cl. 7.9 of IS 1709-1984, RA-1995, AMD-1-1986, AMD-2-1989, AMD-3- 2020
1070	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Test for screw terminals	Cl. 7.10 of IS 1709-1984, RA-1995, AMD-1-1986, AMD-2-1989, AMD-3- 2020
1071	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Visual examination	Cl. 7.2 of IS 1709-1984, RA-1995, AMD-1-1986, AMD-2-1989, AMD-3- 2020
1072	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Voltage test between terminals	Cl. 7.4.1 of IS 1709-1984, RA-1995, AMD-1-1986, AMD-2-1989, AMD-3- 2020
1073	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Voltage test Between terminals and Container or Voltage test between terminal to case	IEC 252:1975 RA Mar 2021 / Cl.7.4.2 of 1709-1984, RA-1995 , -RA-1995, AMD-1-1986, AMD-2- 1989, AMD-3- 2020
1074	ELECTRICAL- CAPACITORS	Capacitors for Power Electronics	Disconnecting test on fuses	Cl.5.17 of IEC 61881-2010 / Cl. 5.17 of IEC 61071-2017
1075	ELECTRICAL- CAPACITORS	Capacitors for Power Electronics	Endurance test	Cl.5.15 of IEC 61881-2010 / Cl.5.15 of IEC 61071-2017
1076	ELECTRICAL- CAPACITORS	Capacitors for Power Electronics	Environmental Testing	Cl.5.13 of IEC 61881-2010 / Cl. 5.13 of IEC 61071-2017

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1077	ELECTRICAL- CAPACITORS	Capacitors for Power Electronics	External Inspection or Dimension verification	Cl.9.7 of IEC 62145-2013 / Cl.5.14.2 of IEC 61881-2010 / Cl.5.14.2 of IEC 61071-2017
1078	ELECTRICAL- CAPACITORS	Capacitors for power electronics	Mechanical tests	Cl. 5.14 of IEC 61071:2017 / Cl. 5.14 of IEC 61881-1:2010
1079	ELECTRICAL- CAPACITORS	Capacitors for Power Electronics	Self Healing Test	Cl.5.11 of IEC 60881-2010 / Cl, 5.11 of IEC 61071-2017
1080	ELECTRICAL- CAPACITORS	Capacitors for surge protection for use in voltage system above 1000 V & upto 45 kV	Capacitance measurement and Output Test on Capacitors	Cl.9.2 of IS 11548-1986 RA -2006 AMD 2-2017
1081	ELECTRICAL- CAPACITORS	Capacitors for surge protection for use in voltage system above 1000 V & upto 45 kV	Dielectric loss test & capacitor losses test/Tan delta Measurement	Cl.9.4 of IS 11548-1986 RA-2006 AMD 2-2017
1082	ELECTRICAL- CAPACITORS	Capacitors for surge protection for use in voltage system above 1000 V & upto 45 kV	Lightning Voltage withstand Test between terminals and Container	Cl.9.6 of IS 11548-1986 RA-2006 AMD 2-2017
1083	ELECTRICAL- CAPACITORS	Capacitors for surge protection for use in voltage system above 1000 V & upto 45 kV	Sealing test	Cl.9.9 of IS 11548-1986, RA -2006 AMD 2 -2017
1084	ELECTRICAL- CAPACITORS	Capacitors for surge protection for use in voltage system above 1000 V & upto 45 kV	Thermal Stability Test	Cl. 9.3 of IS 11548-1986 RA-2006 AMD 2-2017
1085	ELECTRICAL- CAPACITORS	Capacitors for surge protection for use in voltage system above 1000 V & upto 45 kV	Voltage test	Cl.9.5 of IS 11548-1986 RA -2006 AMD 2-2017
1086	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Capacitance Measurement and Capacitance versus temperature	Cl. 5.8 0f IS 1569-1976-AMD 1-1981 / Cl.5.8 of IEC 61048-2015 / Cl.6 & Cl.7 of IEC 61049:1991
1087	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Endurance test	IS 1569-1976, AMD-1-1981 / Cl. 18.1.1 of IEC 61048:2006-A1-2015 / Cl.5.13 of IEC 61048 2015 / Cl.6.0 of IEC 61049:1991
1088	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	High Voltage test to container or voltage test between terminals and case	IS 1569-1976, AMD-1-1981 2006 / Cl.14 of IEC 61048--2006 A1-2015 / Cl.14 of IEC 61049:1991
1089	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Resistance to heat and tracking/ Resistance to adverse operating conditions	Cl. 15 of IEC 61048:2006-A1 2015 / Cl. 16 of IEC 61048:2006-A1 2015
1090	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Robustness of termination and flexibility test	IS 1569-1976, AMD-1-1981 / Cl.7 of IEC 61048-2015 / Cl.15 of IEC 61049 -2002

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1091	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Robustness of termination - Soldering test	IS 1569-1976, AMD-1-1981 / Cl.7 of IEC 61048-2015 / Cl.15 of IEC 61049-2002
1092	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Sealing and heating test	Cl. 13 of IEC 61048:2006-A1 2015 / Cl.5.8 of IS 1569-1976 AMD 1-1981
1093	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Sealing and heating test	Cl. 5.8 of IS 1569-1976 - AMD1-1981
1094	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Self Healing Test	IS 15691976, AMD-1-1981 /Cl. 17 of IEC 61048:2006-A1 2015 / Cl.16 of IEC 61049 -2002
1095	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Tan delta Measurement	IS 1569-1976, AMD-1-1981 / Cl.5.8 of IEC 61048-2015 / Cl.6 of IEC 61049 -2002
1096	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Thermal Stability test	IS 1569-1976, AMD-1-1981 / Cl.5.10 of IEC 61048-2015 / Cl.17 of IEC 61049-2002
1097	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Visual Examination , Check for Marking, Required marking	Cl. 6.1 of IEC 61048:2006-A1 2015 / Cl. 5 of IEC 61049:1991 / Cl. 5.8 of IS 1569-1976 - AMD-1-1981
1098	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Voltage proof test between terminal to terminal	IS 1569-1976, AMD-1-1981 / Cl.5.6 of IEC 61048-2015 / Cl.13 of IEC 61049-2002
1099	ELECTRICAL- CAPACITORS	Capacitors for use in electric fan motors	Insulation Resistance test	Cl.7.3 of IS 1709-1984, RA-1995
1100	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Damp heat test/ Humidity test with voltage applied	Cl.5.8 of IS 1569-1976 AMD 1-1981 / Cl. 15.1 of IEC 61048:2006-A1 2015
1101	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Destruction test/ Destruction of the Capacitors	Cl. 18 of IEC 61048:2006-A1 2015 / Cl. 18.2.3.2 of IEC 61048:2006-A1 2015 / Cl.5.8 of IS 1569-1976 AMD 1-1981
1102	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Sealing Test/Leakage test/Oil leakage test	Cl.5.5.2 ofIS 1569-1976, AMD-1-1981 / Cl.12 of .IEC 61048- 2015 / IEC 61049-1991
1103	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Test of Discharge device/Test on Internal discharge device	Cl.5.9 of IS 1569-1976, AMD-1-1981 / IEC 61048 2015 / IEC 61049 -1991

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1104	ELECTRICAL- CAPACITORS	Capacitors for use in Tubular Fluorescent, High Pressure mercury and Low Pressure Sodium Vapour Discharge Lamp Circuits	Visual Examination	Cl.5.8 of IS 1569-1976 AMD 1-1981
1105	ELECTRICAL- CAPACITORS	Coupling Capacitors ,Capacitive Dividers	Lightning Voltage withstand Test between terminals and Container	IS 9348:1998 / Cl.9.2.5 of IEC 60358 RA 2004 / IEC 60358:-1990 / IEC 62146-1-2016
1106	ELECTRICAL- CAPACITORS	Coupling Capacitors ,Capacitive Dividers and Grading Capacitors	Voltage test at low temperature and High temperature	Cl.8.5 & Cl.9.5 of IEC 62146-1-2013-AMD 1-2016
1107	ELECTRICAL- CAPACITORS	Coupling Capacitors ,Capacitive Dividers and Grading Capacitors for HVAC circuit breakers	Voltage withstand Test between terminals	Cl.5.5.3 & Cl.5.5.2 of IEC 61881-2010 / Cl.5.5 .2 & Cl.5.5.3 of IEC 61071-2017 / IS 9348-1998 / IEC 60358- 2004 / IEC 60358-1990 / IEC 62146-1 -2016
1108	ELECTRICAL- CAPACITORS	Coupling Capacitors, Capacitive Dividers and Grading Capacitors	Power Frequency withstand test or Voltage test between terminals and case	IS 9348-1998 IEC 358(1990) / IEC 60358- 2004 / IEC 60358 1990 / IEC 62146-1-2016
1109	ELECTRICAL- CAPACITORS	Coupling Capacitors. Capacitive Dividers and Grading Capacitors	Tan delta test	IS 9348-1998 IEC 358(1990) / IEC 60358 - 2004 / IEC 60358-1990 / IEC 62146 / IEC 62146-1-2016
1110	ELECTRICAL- CAPACITORS	Grading capacitor	Determination of temperature co-efficient for capacitance - Determination of temperature co-efficient for Tandelta	IEC 60358-1-2016 / IEC 60358-2-2016 /.IEC 60358-3-2016
1111	ELECTRICAL- CAPACITORS	Grading capacitors	Tightness test at different temperature,Visual inspection and dimension check	Cl.8.9 & Cl.9.7 of IEC 62146-1-2013 AMD 1-2016
1112	ELECTRICAL- CAPACITORS	Grading Capacitors for HVAC Circuit breakers	Capacitance measurement, Tandelta Measurement and Resonance frequency measurement	Cl.8.4.2, Cl.8.4.3, Cl.8.4.7, Cl.8.7 of IEC 62146-1-2013 AMD 1-2016
1113	ELECTRICAL- CAPACITORS	Grading Capacitors for HVAC Circuit breakers	Power Frequency withstand test	Cl.8.4.7-IEC 62146-1-2013, Am-1-2016
1114	ELECTRICAL- CAPACITORS	Low-voltage power factor correction banks/ APFC panels for voltage upto and including 1000 V	Dielectic tests	Cl.7.9 of IEC 61921-2017
1115	ELECTRICAL- CAPACITORS	Low-voltage power factor correction banks/ APFC panels for voltage upto and including 1000 V	Dielectic tests	Cl.7.9 of IEC 61921-2017
1116	ELECTRICAL- CAPACITORS	Low-voltage power factor correction banks/APFC panel for voltage upto and including 1000 V	Temperature rise test	Cl.7.2.2 of IEC 61439-2011 / Cl.7.10 of IEC 61921-2017

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1117	ELECTRICAL- CAPACITORS	Series capacitors for power systems	AC voltage test between terminals and container	Cl. 2.10 of IS 9835(Part-1):2001 IEC 60143-1:1992 / Cl. 5.6 of IEC 60143-1:2015
1118	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Capacitance Measurement	Cl. 2.4 of IS 9835(Part-1):2001 IEC 60143-1:1992 / Cl. 5.4 of IEC 60143-1:2015
1119	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Capacitor loss Measurement	Cl. 2.4 of IS 9835(Part-1):2001 IEC 60143-1:1992 / Cl. 5.4 of IEC 60143-1:2015
1120	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Cold duty test	Cl. 5.12 of IEC 60143-1:2015 / Cl. 2.12 of IS 9835(Part-1):2001 IEC 60143-1:1992
1121	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Discharge current test	Cl. 5.13 of IEC 60143-1:2015 / Cl. 2.13 of IS 9835(Part-1):2001 IEC 60143-1:1992
1122	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Discharge test on Internal fuses	Cl. 3.2.2 of IS 9835(Part-3):2012 IEC 60143-3:1998 / Cl. 5.2.2 of IEC 60143-3:2015
1123	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Disconnecting test on internal fuses	Cl. 3.2.3 of IS 9835(Part-3):2012 IEC 60143-3:1998 / Cl. 5.2.3 of IEC 60143-3:2015
1124	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Endurance - Ageing Test (Special test)	Cl. 5.2.4 of IEC 60143-1:2015 / Cl. 2.2.4 of IS 9835(Part-1):2001 IEC 60143-1:1992
1125	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Endurance - Ageing Test (Special test)	Cl. 5.2.4 of IEC 60143-1:2015 / Cl. 2.2.4 of IS 9835(Part-1):2001 IEC 60143-1:1992
1126	ELECTRICAL- CAPACITORS	Series Capacitors for power systems	Lightning impulse voltage test between terminals and container	Cl. 2.11 of IS 9835(Part-1):2001 IEC 60143-1:1992 / Cl. 5.11 of IEC 60143-1:2015
1127	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Sealing test	Cl. 2.8 of IS 9835(Part-1):2001 IEC 60143-1:1992 / Cl. 5.8 of IEC 60143-1:2015

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1128	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Test on Internal discharge device	Cl. 3.2.2 of IS 9835(Part-3):2012 IEC 60143-3:1998 / Cl. 5.2.2 of IEC 60143-3:2015
1129	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Thermal Stability Test	Cl. 2.9 of IS 9835(Part-1):2001 IEC 60143-1:1992 / Cl. 5.9 of IEC 60143-1:2015
1130	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Voltage test after opening the container	Cl. 2.5 of IS 9835(Part-1):2001 IEC 60143-1:1992 / Cl. 5.5 of IEC 60143-1:2015
1131	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Voltage test between terminals	Cl. 2.5 of IS 9835(Part-1):2001 IEC 60143-1:1992 / Cl. 5.5 of IEC 60143-1:2015
1132	ELECTRICAL- CAPACITORS	Series capacitors for power systems	Voltage test between terminals	Cl.8.5 of IEC 62146-1-2013 / Cl. 2.5 of IS 9835(Part-1):2001 IEC 60143-1:1992 / Cl. 5.5 of IEC 60143-1:2015
1133	ELECTRICAL- CAPACITORS	Shunt capacitors for a.c power systems having a rated voltage above 1000 V	Capacitance Measurement	Cl.7 of IS 13925 (Pt 1): 2012 .IEC 60871-1-2005 / Cl.7 of 60871-1:2005 / Cl.7 of IEC 60871-1:- 2014 / IEC TS 60871--2014 / Cl.5.3.2 of IEC 60871-4-2014 / Cl.7.2.2 of IEEE Std.18-2012
1134	ELECTRICAL- CAPACITORS	Shunt capacitors for a.c power systems having a rated voltage above 1000 V	Discharge test on Internal Fuses	Cl.5.1.1 & Cl.5.3 of IEC 60871-4-2014 / Cl. 5.1.1 of IS 13925(Part-4):2013 IEC 60871-4-1996
1135	ELECTRICAL- CAPACITORS	Shunt capacitors for a.c power systems having a rated voltage above 1000 V	Disconnecting Test on internal fuses	Cl.5.1.1 & Cl.5.3 of IEC 60871-4- 2014 / IS 13925(Part-4):2013 / IEC 60871-4-1996
1136	ELECTRICAL- CAPACITORS	Shunt capacitors for a.c power systems having a rated voltage above 1000 V	Lightning Impulse Voltage Test between terminals and Container	Cl.15.2 of IEC 60871-1-2014 / Cl.16 of IS 13925(Part-1):2012 IEC 60871-1-2005 / Cl.16 of IEC 60871-1-2005
1137	ELECTRICAL- CAPACITORS	Shunt capacitors for a.c power systems having a rated voltage above 1000 V	Measurement of tangent of loss angle(Tan delta) of the capacitor	Cl.8 of IS 13925(Part 1):2012 IEC 60871-1 2005 / IS 13925(Part-2)-2002 IEC 60871-2-1999 / Cl.8 of IEC 60871-1-2005 Cl.8 of IEC 60871-1-2014
1138	ELECTRICAL- CAPACITORS	Shunt capacitors for a.c power systems having a rated voltage above 1000 V	Over voltage test/ performance test	Cl.16 of IEC 60871-1-2014 / IEEE Std.18-2012

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1139	ELECTRICAL- CAPACITORS	Shunt capacitors for a.c power systems having a rated voltage above 1000 V	Reactive Output Test on Capacitors	IS 13925 (Part.1):2012 IEC 60871-1-2005 / IEC 60871-1-2005 / IEC 60871-1-2014
1140	ELECTRICAL- CAPACITORS	Shunt capacitors for a.c power systems having a rated voltage above 1000 V	Short Circuit Discharge test	Cl.17of IEC 60871-1-2014 / Cl.17 of IS 13925(Part 1):2012 IEC 60871-1-2005
1141	ELECTRICAL- CAPACITORS	Shunt capacitors for a.c power systems having a rated voltage above 1000 V	Test of Internal Discharge Device	Cl.11 of IEC 60871-1-2014 / IS 13925(Part-1):2012 IEC 60871-1-2005
1142	ELECTRICAL- CAPACITORS	Shunt capacitors for a.c power systems having a rated voltage above 1000 V	Thermal Stability Test	Cl.13 of IS 13925 (Part.1)-2012 IEC 60871-1-2005 / Cl.13 of fEC 60871-1-2014
1143	ELECTRICAL- CAPACITORS	Shunt capacitors for a.c power systems having a rated voltage above 1000 V	Voltage test between terminals	Cl.9 of IEC 60871-1-2014 / Cl.9 of IS 13925(Part-1)-2012 IEC 60871-1-2005 / Cl.9 of IEC 60871-1-2005
1144	ELECTRICAL- CAPACITORS	Shunt capacitors for a.c power systems having a rated voltage above 1000 V	Voltage test Between terminals and Container	Cl.9 of IEC 60871-1- 2014 / Cl.9 of IS 13925(Part-1)-2012 IEC 60871-1-2005, Cl.9 of IEC 60871-1-2005
1145	ELECTRICAL- CAPACITORS	Shunt capacitors for AC power systems having a rated voltage above 1000V	Endurance Testing- Ageing Test	IEC 60871-2-2014 / IS 13925(Part-2):2002 IEC 60871-2-1999 / IEC 60871-2-1999
1146	ELECTRICAL- CAPACITORS	Shunt Capacitors for ac power systems having a rated voltage above 1000V	Endurance Testing- Over voltage cycling test	IS 13925(Part-2)-2002 IEC 60871-1-1999 / IEC 60871-2-1999 / IEC 60871-2-2014
1147	ELECTRICAL- CAPACITORS	Shunt capacitors for AC power Systems having a Rated voltage above 1000V	Measurement of Tangent of loss angle(Tan delta) of the capacitor	Cl.8 of IEC 60871-1 2014 / Cl.8 of IS 13925 (Part -1)-2012 IEC 60871-1-2005 / Cl.8 of IEC 60871-1-2005
1148	ELECTRICAL- CAPACITORS	Shunt capacitors for AC power systems having a rated voltage above 1000V	Measurement of Tangent of the loss angle(Tan delta) of the capacitor elevated temperature	Cl.14 of IEC 60871-1-2014 / Cl.14 IS 13925(Part-1):2012 IEC 60871-1-2005
1149	ELECTRICAL- CAPACITORS	Shunt capacitors for AC power Systems having a Rated voltage above 1000V	Sealing test	Cl.12 of IEC 60871-1-2014 / Cl.12 of IS 13925(Part-1)- 2012 IEC 60871-1-2005 / Cl.12 of IEC 60871-1-2005

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1150	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Ageing test	Cl. 17 of IS 13340-1:2012 IEC 60831-1:2002 / Cl. 17 of IS 13340-2:2012 IEC 60831-2:1995 / Cl. 17 of IEC 60831-1:2014 / Cl. 17 of IEC 60831-2 -2014
1151	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Capacitance Measurement and output calculation	Cl.7 of IS 13340 (Part 1)-2012 / Cl.7 of IEC 60831-1- 2002 / IS 13340 (Part-1): 2012 / Cl.7 of IEC 60831-2-1995 / Cl.7 of IEC 60831-1-2014
1152	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Destruction test	Cl. 19 of IS 13340-1:2012 IEC 60831-1:2002 / Cl. 19 of IS 13340-2:2012 IEC 60831-2-1995 / Cl. 19 of IEC 60831-1-2014 / Cl. 19 of IEC 60831-2-2014
1153	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Discharge test	Cl.16 of IS 13340 (Part 1)- 2012 IEC 60831-1-2002 / IEC 60831-2-2002 / IEC 60831-1-2014
1154	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Lightning Voltage withstand Test between terminals and Container	IS 13340 (Part 1): 2012 / Cl. 15 of IEC 60831-1-2002 / Cl. 15 of IEC 60831-1-2014
1155	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Measurement of the tangent of the loss angle (tan delta) of the capacitor	Cl. 8 of IS 13340 (Part-1)-2012 IEC 60831-1-2002 / Cl.8 of IEC 60831-1-2002 / Cl.8 of IEC 60831-1-2014
1156	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Measurement of the tangent of the loss angle (tan delta) of the capacitor at elevated temperature	Cl. 14 of IS 13340 (Part 1)-2012 IEC 60831-1-2002 / Cl.14 of IEC 60831-1-2002 / Cl.14 of IEC 60831-1-2014
1157	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Sealing test	Cl.12 of IS 13340 (Part 1)-2012 IEC 60831-1-2002 / IEC 60331-1-2002 / IEC 60831-1-2014
1158	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Self Healing Test	Cl. 17 of IS 13340-1:2012 IEC 60831-1:2002 / Cl. 17 of IS 13340-2:2012 IEC 60831-2:1995 / Cl. 17 of IEC 60831-1:2014 / Cl. 17 of IEC 60831-2:2014

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1159	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Self-healing test	Cl.18 of IS 13340 (Part 1)- 2012 IEC 60831-1 2002 / Cl.18 of IS 13340 (Part 2) 2012 / IEC 60831-2 1995 / Cl.19 of IEC 60831-1 2014 / Cl.19 of IEC 60831-2-2014
1160	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Tan delta Measurement	Cl.8 of IS 13340 (Part 1) -2012 / Cl.8 of IEC 60831-2002 / Cl.8 of IS 13340 (Part 2)-2012 IEC 60831-2- 1995 / IEC 60831-1-2014 / Cl.8 of IEC 60831-2 -2014
1161	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Test of the Internal Discharge Device	Cl.11 of IS 13340 (Part 1)-2012 IEC 60831-1-2002 / IEC 60831-1-2002 / IEC 60831-1-2014
1162	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Thermal Stability test	Cl. 13 of IS 13340 (Part 1) 2012 IEC 60831-1-2002 / IEC 60831-1:2014
1163	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Voltage test Between terminals	Cl. 9.1 & Cl. 9.2 of IS 13340 (Part 1) 2012 IEC 60831-1-2002 / IEC 60831-1:2014
1164	ELECTRICAL- CAPACITORS	Shunt capacitors for the self-healing type for ac power systems having a rated voltage upto and including 1000 V	Voltage test Between terminals and Container	Cl. 10.1 & Cl. 10.2 of IS 13340 (Part 1) 2012 IEC 60831-1-2002 / IEC 60831-1:2014
1165	ELECTRICAL- CAPACITORS	Shunt capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Ageing test	Cl.17 of IEC 60931-1 1996 / Cl.17 of IEC 60931-2-1995 / IS 13585(Part 1):2012 / IS 13585(Part 2):2012 IEC 60931-2:1995
1166	ELECTRICAL- CAPACITORS	Shunt capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Capacitance Measurement	Cl. 7 of IS 13585 (Part 1): 2012 IEC 60931-1-1996 / Cl. 7 of IEC 60931-1 2011 / Cl. 7.1 of IEC 60931-2 2012 / Cl.7.1 of IEC 60931-3 :2008
1167	ELECTRICAL- CAPACITORS	Shunt capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Capacitance Measurement and output calculation	Cl. 7 of IS 13585 (Part 1) :2012 IEC 60931-1:1996 / IEC 60931-1 :1996
1168	ELECTRICAL- CAPACITORS	Shunt capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Lightning Voltage withstand Test between terminals and Container	Cl.15 of IS 13585 (Part 1): 2012 IEC 60931-1 1996 / IEC 60931-1:1996

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1169	ELECTRICAL- CAPACITORS	Shunt capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Lightning Voltage withstand Test between terminals and Container	IS 13585 (Part 1): 2012 Cl.15 of IEC 60931-1 1996 / IEC 60931-1:1996
1170	ELECTRICAL- CAPACITORS	Shunt capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Reactive Output Test on Capacitors	IS 13585(Part 1): 2012 IEC 60931-1:1996 / IEC 60931-1:1996
1171	ELECTRICAL- CAPACITORS	Shunt capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Short Circuit Discharge test/Discharge test of Internal fuses/ Discharge test/Surge Discharge test/ Current (discharge) test	Cl.5.9 of IEC 61881-2010 / Cl.5.9 of IEC 61071-2017 / Cl.5.14 of IS 1569 / Cl.17of IEC 61048 / Cl. 15.2 of IEC 61048:2006-A1 2015 / Cl.7 of IS 1709 / Cl.17 of IS 2993 / Cl.2.16 of IEC 60252-1 / Cl.5.16 of IEC 60252-2 / IS 13585 (Part 1):2012
1172	ELECTRICAL- CAPACITORS	Shunt capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Tan delta Measurement	IS 13585 (Part 1):2012 / Cl.8 of IEC 60931-1-1996 / Cl.8 of IEC 60931-2:2012
1173	ELECTRICAL- CAPACITORS	Shunt capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Thermal Stability Test	Cl.13 of IS 13585 (Part)1:2012 IEC 60931-1 1996 / IEC 60931-1 :1996
1174	ELECTRICAL- CAPACITORS	Shunt capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Voltage test between terminals and container	Cl.10.1 &10.2 of IS 13585(Part 1)-2012 IEC 60931-1-1996 / IEC 60931-1-1996
1175	ELECTRICAL- CAPACITORS	Shunt power Capacitor	Capacitance test / Reactive Output Test on Capacitors	Cl.7.2.2 of IEEE Std. 18-2012
1176	ELECTRICAL- CAPACITORS	Shunt power Capacitor	Discharge resistor test	Cl.7.2.4 of IEEE Std.18-2012
1177	ELECTRICAL- CAPACITORS	Shunt power Capacitor	Fuse capability test for Internally fused capacitors	Cl.7.2.6 of IEEE Std.18-2012
1178	ELECTRICAL- CAPACITORS	Shunt power Capacitor	Fuse Disconnect Test for Internally fused capacitors	Cl 7.1.7 of IEEE Std.18-2012
1179	ELECTRICAL- CAPACITORS	Shunt Power Capacitor	Leak test	Cl.7.2.3 of IEEE Std.18
1180	ELECTRICAL- CAPACITORS	Shunt power capacitor	Lightning Voltage withstand Test between terminals and Container	Cl.7.1.1 of IEEE Std.18-2012
1181	ELECTRICAL- CAPACITORS	Shunt power Capacitor	Short Circuit Discharge test	Cl.7.1.5 of IEEE 18 -2012
1182	ELECTRICAL- CAPACITORS	Shunt Power Capacitor	Short time over voltage test	Cl. 7.2.1 of IEEE Std.18-2012
1183	ELECTRICAL- CAPACITORS	Shunt power Capacitor	Thermal Stability Test	Cl.7.1.3 of IEEE Std. 18

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1184	ELECTRICAL- CAPACITORS	Shunt power capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Destruction test	Cl. 19 of 13585 (Part 1) : 2012 IEC 60931-1 :1996 / IEC 60931-1-1996
1185	ELECTRICAL- CAPACITORS	Shunt power capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Discharge test	Cl. 16 of 13585 (Part 1) : 2012 IEC 60931-1 :1996 / IEC 60931-1:1996
1186	ELECTRICAL- CAPACITORS	Shunt power capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Disconnecting test on Internal fuses	Cl. 6.2(j) of IS 13585-1 2012 IEC 60931-1 1996 / Cl. 5.3 of IS 13585-3 2012 IEC 60931-3 1996
1187	ELECTRICAL- CAPACITORS	Shunt power capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Measurement of the tangent of the loss angle (tan delta) of the capacitor at elevated temperature	Cl. 14 of IS 13585 (Part 1) : 2012 IEC 60931-1:1996 / IEC 60931-1:1996
1188	ELECTRICAL- CAPACITORS	Shunt power capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Sealing test	Cl. 12 of 13585 (Part 1) : 2012 IEC 60931-1 :1996 / IEC 60931-1:1996
1189	ELECTRICAL- CAPACITORS	Shunt power capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Test of the Internal Discharge device	Cl. 11 of 13585 (Part 1) : 2012 IEC 60931-1 / IEC 60931-1:1996
1190	ELECTRICAL- CAPACITORS	Shunt power capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Voltage test between terminals	Cl. 9.1 & Cl. 9.2 of 13585 (Part 1) : 2012 IEC 60931-1:1996 / IEC 60931-1:1996
1191	ELECTRICAL- CAPACITORS	Shunt power capacitors of non self healing type for ac power systems having a rated voltage upto and including 1000 V	Voltage test between terminals and Container	Cl. 10.1 & Cl. 10.2 of 13585 (Part 1) : 2012 IEC 60931-1 / IEC 60931-1:1996
1192	ELECTRICAL- CELLS & BATTERIES	Valve Regulated (Sealed) Lead Acid Stationary Battery and Charger	Test for Voltage during discharge	(Cl. A.10.8) IRS:S 93/96 with Amd. 1
1193	ELECTRICAL- CELLS & BATTERIES	Valve Regulated (Sealed) Lead Acid Stationary Battery and Charger	Ampere hour and watt hour efficiency tests	(Cl. A.10.7) IRS:S 93/96 with Amd. 1
1194	ELECTRICAL- CELLS & BATTERIES	Valve Regulated (Sealed) Lead Acid Stationary Battery and Charger	Endurance test	(Cl. A.10.6) IRS:S 93/96 with Amd. 1
1195	ELECTRICAL- CELLS & BATTERIES	Valve Regulated (Sealed) Lead Acid Stationary Battery and Charger	Test for Capacity	(Cl. A.10.4) IRS:S 93/96 with Amd. 1
1196	ELECTRICAL- CELLS & BATTERIES	Valve Regulated (Sealed) Lead Acid Stationary Battery and Charger	Test for Charge Retention	(Cl. A.10.5) IRS:S 93/96 with Amd. 1
1197	ELECTRICAL- CELLS & BATTERIES	Valve Regulated (Sealed) Lead Acid Stationary Battery and Charger	Test for Endurance under short circuit conditions	(Cl. A.10.9) IRS:S 93/96 with Amd. 1
1198	ELECTRICAL- CELLS & BATTERIES	Valve Regulated (Sealed) Lead Acid Stationary Battery and Charger	Test for gas recombination efficiency	(Cl. A. 10.11) IRS:S 93/96 with Amd. 1

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1199	ELECTRICAL- CELLS & BATTERIES	Valve Regulated (Sealed) Lead Acid Stationary Battery and Charger	Verification for marking packing	(Cl. A.10.3, 6 & 7) IRS:S 93/96 with Amd. 1
1200	ELECTRICAL- CELLS & BATTERIES	Valve Regulated (Sealed) Lead Acid Stationary Battery and Charger	Verification of constructional requirements	(Cl. A.10.2, A. 3.1, A. 3.2, A. 3.7 & A. 3.9) IRS:S 93/96 with Amd. 1
1201	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Capacity	(Cl. 5.1 & 7.2) IS 16220 (Part 1):2015 IEC 61056-1
1202	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Charge Acceptance after Deep Discharge	(Cl. 5.5 & 7.9) IS 16220 (Part 1):2015 IEC 61056-1
1203	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Charge Retention	(Cl. 5.3 & 7.7) IS 16220 (Part 1):2015 IEC 61056-1
1204	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Construction	(Cl. 4.1) IS 16220 (Part 1):2015 IEC 61056-1
1205	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Cycle Service Endurance	(Cl. 5.2.1 & 7.4) IS 16220 (Part 1):2015 IEC 61056-1
1206	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Designation	(Cl. 4.3) IS 16220 (Part 1):2015 IEC 61056-1
1207	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Dimensions	(Cl. 4) IS 16220 (Part 2):2017 IEC 61056-2
1208	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Float Service Endurance	(Cl. 5.2.2 & 7.5) IS 16220 (Part 1):2015 IEC 61056-1
1209	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Float Service Endurance at 40?C	(Cl. 7.6) IS 16220 (Part 1):2015 IEC 61056-1
1210	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Gas Emission Intensity	(Cl. 5.7 & 7.10) IS 16220 (Part 1):2015 IEC 61056-1
1211	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	High Rate Capacity	(Cl. 5.1 & 7.3) IS 16220 (Part 1):2015 IEC 61056-1
1212	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Maximum Permissible Current	(Cl. 5.4 & 7.8) IS 16220 (Part 1):2015 IEC 61056-1
1213	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Shock Resistant Characteristics	(Cl. 5.10 & 7.13) IS 16220 (Part 1):2015 IEC 61056-1
1214	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Terminals	(Cl. 5) IS 16220 (Part 2):2017 IEC 61056-2
1215	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Verification of Marking	(Cl. 6) IS 16220 (Part 2):2017 IEC 61056-2
1216	ELECTRICAL- CELLS & BATTERIES	General Purpose Lead-Acid Batteries (Valve-Regulated Types)	Verification of Marking of Polarity	(Cl. 4.4) IS 16220 (Part 1):2015 IEC 61056-1

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1217	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries for Motor Vehicles	Dimensions and Layout	(Cl. 9.4 & 6) IS 7372:1995 RA
1218	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries for Motor Vehicles	High Rate Discharge at normal temperature	(Cl. 9.9) IS 7372:1995 RA
1219	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries for Motor Vehicles	Physical Examination	(Cl. 9.3 & 4) IS 7372:!995 RA
1220	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries for Motor Vehicles	Retention of charge test	(Cl. 9.12) IS 7372:1995 RA
1221	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries for Motor Vehicles	Test for Capacity	(Cl. 9.7) IS 7372:1995 RA
1222	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries for Motor Vehicles	Verification of Marking	(Cl. 9.5 & 8) IS 7372:1995 RA
1223	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Starter Batteries	Capacity Test	(Cl. 9.5.2) JIS D 5301
1224	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Starter Batteries	Charge Acceptance Test	(Cl. 9.5.4) JIS D 5301
1225	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Starter Batteries	Cranking Performance Test	(Cl. 9.5.3) JIS D 5301
1226	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Starter Batteries	Endurance Test	(Cl. 9.5.5) JIS D 5301
1227	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Starter Batteries	External Dimensions	(Cl. 8 & 9.5.1) JIS D 5301
1228	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles	High rate discharge at low temperature	(Cl. 9.10) IS 7372: 1995 RA
1229	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles	High rate discharge test at normal temperature for Batteries for Heavy Duty Application	(Cl. 9.11) IS 7372: 1995 RA
1230	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles	High-Rate Discharge Capacity (Dry Charged Battery)	(Cl. 9.17) IS 7372: 1995 RA
1231	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles	Life test	(Cl. 9.14) IS 7372: 1995 RA
1232	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles	Resistance to overcharge test	(Cl. 9.13) IS 7372: 1995 RA
1233	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles	Storage (for dry charged batteries)	(Cl. 9.16) IS 7372: 1995 RA
1234	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles	Storage test	(Cl. 9.15) IS 7372: 1995 RA

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1235	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles with light weight and high cranking performance	Capacity (5-h Rate)	(Cl. 9.3.4) IS 14257: 2019 RA
1236	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles with light weight and high cranking performance	Charge acceptance	(Cl. 9.3.6) IS 14257: 2019 RA
1237	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles with light weight and high cranking performance	Dimensions and Layout	(Cl. 9.3.2) IS 14257: 2019 RA
1238	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles with light weight and high cranking performance	High rate discharge	(Cl. 9.3.5) IS 14257: 2019 RA
1239	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles with light weight and high cranking performance	Life cycle test	(Cl. 9.3.7) IS 14257: 2019 RA
1240	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles with light weight and high cranking performance	Overcharge Endurance	(Cl. 9.3.9) IS 14257: 2019 RA
1241	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles with light weight and high cranking performance	Physical Examination	(Cl. 9.3.1) IS 14257: 2019 RA
1242	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles with light weight and high cranking performance	Robustness to fastening	(Cl. 9.3.11) IS 14257: 2019 RA
1243	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles with light weight and high cranking performance	Strength of Terminal	(Cl. 9.3.10) IS 14257: 2019 RA
1244	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles with light weight and high cranking performance	Test for Dry-Charged Battery	(Cl. 9.3.12) IS 14257: 2019 RA
1245	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries for Motor Vehicles with light weight and high cranking performance	Verification of Marking	(Cl. 9.3.3) IS 14257: 2019 RA
1246	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Traction Batteries	Capacity Test	(Cl. 5.2) IS 5154 (Part 1): 2013 RA:2018 IEC 60254-1
1247	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Traction Batteries	Cyclic Endurance Test	(Cl. 5.5) IS 5154 (Part 1): 2013 RA:2018 IEC 60254-1
1248	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Traction Batteries	High Rate Discharge Performance	(Cl. 5.4) IS 5154 (Part 1): 2013 RA :2018 IEC 60254-1
1249	ELECTRICAL- CELLS & BATTERIES	Low Maintenance Lead Acid Stationary Secondary Cells for S&T Installations	Ampere-hour and Watt-hour Efficiency Test	(Cl. 7.8) IRS:S 88/
1250	ELECTRICAL- CELLS & BATTERIES	Low Maintenance Lead Acid Stationary Secondary Cells for S&T Installations	Endurance Test	(Cl. 7.7) IRS:S 88/
1251	ELECTRICAL- CELLS & BATTERIES	Low Maintenance Lead Acid Stationary Secondary Cells for S&T Installations	Equilibrium Float Current Test	(Cl. 7.13) IRS:S 88/
1252	ELECTRICAL- CELLS & BATTERIES	Low Maintenance Lead Acid Stationary Secondary Cells for S&T Installations	Loss of Water Test	(Cl. 7.12) IRS:S 88/
1253	ELECTRICAL- CELLS & BATTERIES	Low Maintenance Lead Acid Stationary Secondary Cells for S&T Installations	Storage Test	(Cl. 7.11) IRS:S 88/

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1254	ELECTRICAL- CELLS & BATTERIES	Low Maintenance Lead Acid Stationary Secondary Cells for S&T Installations	Sulphation Test	(Cl. 7.14) IRS:S 88/
1255	ELECTRICAL- CELLS & BATTERIES	Low Maintenance Lead Acid Stationary Secondary Cells for S&T Installations	Test for Capacity	(Cl. 7.5) IRS:S 88/
1256	ELECTRICAL- CELLS & BATTERIES	Low Maintenance Lead Acid Stationary Secondary Cells for S&T Installations	Test for loss of capacity on storage	(Cl. 7.6) IRS:S 88/
1257	ELECTRICAL- CELLS & BATTERIES	Low Maintenance Lead Acid Stationary Secondary Cells for S&T Installations	Test for Voltage during Discharge	(Cl. 7.9) IRS:S 88/
1258	ELECTRICAL- CELLS & BATTERIES	Low Maintenance Lead Acid Stationary Secondary Cells for S&T Installations	Verification of Constructional Requirements	(Cl. 7.2) IRS:S 88/
1259	ELECTRICAL- CELLS & BATTERIES	Low Maintenance Lead Acid Stationary Secondary Cells for S&T Installations	Verification of dimensions	(Cl. 7.4) IRS:S 88/
1260	ELECTRICAL- CELLS & BATTERIES	Low Maintenance Lead Acid Stationary Secondary Cells for S&T Installations	Verification of marking and packing	(Cl. 7.3 & 4) IRS:S 88/
1261	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Batteries for Electric Locomotives	Ampere-hour and watt-hour efficiency	(Cl. 8.4) IS 13315: 1992 RA
1262	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Batteries for Electric Locomotives	Capacity at 10-hour rate	(Cl. 8.2) IS 13315: 1992 RA
1263	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Batteries for Electric Locomotives	Capacity at 5-hour rate	(Cl. 8.3) IS 13315: 1992 RA
1264	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Batteries for Electric Locomotives	Checking of dimensions, marking and workmanship	(Cl. 5.1 (a)) IS 13315: 1992 RA
1265	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Batteries for Electric Locomotives	Endurance test/life cycle test	(Cl. 8.6) IS 13315: 1992 RA
1266	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Batteries for Electric Locomotives	Insulation Resistance Test	(Cl. 8.7) IS 13315: 1992 RA
1267	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Batteries for Electric Locomotives	Material and component specification verification test	(Cl. 5.1 (b)) IS 13315: 1992 RA
1268	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Batteries for Electric Locomotives	Retention of charge test	(Cl. 8.5) IS 13315: 1992 RA
1269	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Batteries for Electric Locomotives	Storage test	(Cl. 8.9) IS 13315: 1992 RA
1270	ELECTRICAL- CELLS & BATTERIES	Sealed Nickel-Cadmium Button Type Rechargeable Single Cells	Dimensions and Weight	(Cl. 9.3) IS 10893: 1984 RA
1271	ELECTRICAL- CELLS & BATTERIES	Sealed Nickel-Cadmium Button Type Rechargeable Single Cells	Discharge Performance at High Temperature	(Cl. 9.11) IS 10893: 1984 RA
1272	ELECTRICAL- CELLS & BATTERIES	Sealed Nickel-Cadmium Button Type Rechargeable Single Cells	Discharge Performance at Low Temperature	(Cl. 9.10) IS 10893: 1984 RA

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1273	ELECTRICAL- CELLS & BATTERIES	Sealed Nickel-Cadmium Button Type Rechargeable Single Cells	Life Cycle	(Cl. 9.12) IS 10893: 1984 RA
1274	ELECTRICAL- CELLS & BATTERIES	Sealed Nickel-Cadmium Button Type Rechargeable Single Cells	Overcharge Test	(Cl. 9.8) IS 10893: 1984 RA
1275	ELECTRICAL- CELLS & BATTERIES	Sealed Nickel-Cadmium Button Type Rechargeable Single Cells	Physical Examination	(Cl. 9.2 & 4) IS 10893: 1984 RA
1276	ELECTRICAL- CELLS & BATTERIES	Sealed Nickel-Cadmium Button Type Rechargeable Single Cells	Retention of Charge	(Cl. 9.9) IS 10893: 1984 RA
1277	ELECTRICAL- CELLS & BATTERIES	Sealed Nickel-Cadmium Button Type Rechargeable Single Cells	Storage Test	(Cl. 9.13) IS 10893: 1984 RA
1278	ELECTRICAL- CELLS & BATTERIES	Sealed Nickel-Cadmium Button Type Rechargeable Single Cells	Test for Capacity	(Cl. 9.7) IS 10893: 1984 RA
1279	ELECTRICAL- CELLS & BATTERIES	Sealed Nickel-Cadmium Button Type Rechargeable Single Cells	Test for Polarity and Short Circuit	(Cl. 9.5) IS 10893: 1984 RA
1280	ELECTRICAL- CELLS & BATTERIES	Sealed Nickel-Cadmium Button Type Rechargeable Single Cells	Verification of Marking and Packing	(Cl. 9.4 & 6) IS 10893: 1984 RA
1281	ELECTRICAL- CELLS & BATTERIES	Secondary Batteries (Except Lithium) for Propulsion of Electric Road Vehicles	Dynamic Discharge Performance Test	(Cl. 6) IS 13514: 2015 RA:2017 IEC 61982
1282	ELECTRICAL- CELLS & BATTERIES	Secondary Batteries (Except Lithium) for Propulsion of Electric Road Vehicles	Dynamic Endurance Test	(Cl. 7) IS 13514: 2015 RA:2017 IEC 61982
1283	ELECTRICAL- CELLS & BATTERIES	Secondary Batteries (Except Lithium) for Propulsion of Electric Road Vehicles	Rated Capacity Test	(Cl. 5) IS 13514: 2015 RA:2017 IEC 61982
1284	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications	Charge (Capacity) Recovery after long term storage	(Cl. 7.5) IS 16047:2012 IEC 61960
1285	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications	Charge (Capacity) Retention and Recovery	(Cl. 7.4) IS 16047:2012 IEC 61960
1286	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications	Discharge Performance at -20°C	(Cl. 7.3.2) IS 16047:2012 IEC 61960
1287	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications	Discharge Performance at 20°C (Rated Capacity)	(Cl. 7.3.1) IS 16047:2012 IEC 61960
1288	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications	Endurance in cycles	(Cl. 7.6) IS 16047:2012 IEC 61960
1289	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications	High Rate Discharge Performance at 20°C	(Cl. 7.3.3) IS 16047:2012 IEC 61960

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1290	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications	Measurement of the internal d.c. resistance	(Cl. 7.7.3) IS 16047:2012 IEC 61960
1291	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications (Prismatic and Cylindrical Lithium Secondary Cells, and Batteries made from them)	Charge (Capacity) Recovery after long term storage	(Cl. 7.5) IS 16047 (Part 3):2018 IEC 61960-3
1292	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications (Prismatic and Cylindrical Lithium Secondary Cells, and Batteries made from them)	Charge (Capacity) Retention and Recovery	(Cl. 7.4) IS 16047 (Part 3):2018 IEC 61960-3
1293	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications (Prismatic and Cylindrical Lithium Secondary Cells, and Batteries made from them)	Discharge Performance at -20°C	(Cl. 7.3.2) IS 16047 (Part 3):2018 IEC 61960-3
1294	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications (Prismatic and Cylindrical Lithium Secondary Cells, and Batteries made from them)	Discharge Performance at 20°C (Rated Capacity)	(Cl. 7.3.1) IS 16047 (Part 3):2018 IEC 61960-3
1295	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications (Prismatic and Cylindrical Lithium Secondary Cells, and Batteries made from them)	Endurance in cycles	(Cl. 7.6) IS 16047 (Part 3):2018 IEC 61960-3
1296	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications (Prismatic and Cylindrical Lithium Secondary Cells, and Batteries made from them)	High Rate Discharge Performance at 20°C	(Cl. 7.3.3) IS 16047 (Part 3) :2018 IEC 61960-3
1297	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications (Prismatic and Cylindrical Lithium Secondary Cells, and Batteries made from them)	Measurement of the internal DC resistance	(Cl. 7.7.3) IS 16047 (Part 3):2018 IEC 61960-3
1298	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries containing alkaline or other non-acid electrolytes – Secondary Lithium Cells and Batteries for Portable Applications (Prismatic and Cylindrical Lithium Secondary Cells, and Batteries made from them)	Verification of Marking	(Cl. 5.2) IS 16047 (Part 3):2018 IEC 61960-3

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1299	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications –Prismatic and cylindrical lithium secondary cells, and batteries made from them	Charge (Capacity) Recovery after long term storage	(Cl. 7.5) IEC 61960-3
1300	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications –Prismatic and cylindrical lithium secondary cells, and batteries made from them	Charge (Capacity) Retention and Recovery	(Cl. 7.4) IEC 61960-3
1301	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications –Prismatic and cylindrical lithium secondary cells, and batteries made from them	Charging procedure for test purposes	(Cl. 7.2) IEC 61960-3
1302	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications –Prismatic and cylindrical lithium secondary cells, and batteries made from them	Discharge Performance at -20°C	(Cl. 7.3.2) IEC 61960-3
1303	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications –Prismatic and cylindrical lithium secondary cells, and batteries made from them	Discharge Performance at 20°C (Rated Capacity)	(Cl. 7.3.1) IEC 61960-3
1304	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications –Prismatic and cylindrical lithium secondary cells, and batteries made from them	Endurance in cycles	(Cl. 7.6) IEC 61960-3
1305	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications –Prismatic and cylindrical lithium secondary cells, and batteries made from them	High Rate Discharge Performance at 20°C	(Cl. 7.3.3) IEC 61960-3
1306	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications –Prismatic and cylindrical lithium secondary cells, and batteries made from them	Measurement of the internal DC resistance	(Cl. 7.7.3) IEC 61960-3
1307	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications –Prismatic and cylindrical lithium secondary cells, and batteries made from them	Verification Marking	(Cl. 5.2) IEC 61960-3
1308	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for use in industrial applications	Charge (Capacity) retention and recovery	(Cl. 6.4) IEC 62620
1309	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for use in industrial applications	Charging procedure for test purposes	(Cl. 6.2) IEC 62620

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1310	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for use in industrial applications	Discharge performance at +25°C	(Cl. 6.3.1) IEC 62620
1311	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for use in industrial applications	Discharge performance at low temperature	(Cl. 6.3.2) IEC 62620
1312	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for use in industrial applications	Endurance in cycles	(Cl. 6.6.1) IEC 62620
1313	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for use in industrial applications	Endurance in storage at constant voltage (permanent charge life)	(Cl. 6.6.2) IEC 62620
1314	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for use in industrial applications	High rate permissible current	(Cl. 6.3.3) IEC 62620
1315	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for use in industrial applications	Marking and designation	(Cl. 5) IEC 62620
1316	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for use in industrial applications	Measurement of internal d.c. resistance	(Cl. 6.5.3) IEC 62620
1317	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Cell designation	(Cl. 5.1) IS 15767: 2008 RA
1318	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Charge acceptance at constant voltage	(Cl. 7.5) IEC 62259:
1319	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Charge retention	(Cl. 7.3) IS 15767: 2008 RA
1320	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Charge retention	(Cl. 7.3) IEC 62259:
1321	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Charging procedure for test purposes	(Cl. 7.1) IEC 62259
1322	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Determination of gas recombination efficiency	(Cl. 7.9) IEC 62259:
1323	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Determination of gas recombination efficiency	(Cl. 7.9) IS 15767: 2008 RA

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1324	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Discharge performance at -18°C	(Cl. 7.2.3) IEC 62259:
1325	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Discharge performance at -18°C	(Cl. 7.2.3) IS 15767: 2008 RA
1326	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Discharge performance at 20°C	(cl. 7.2.1) IS 15767: 2008 RA
1327	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Discharge performance at 20°C	(Cl. 7.2.1) IEC 62259:
1328	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Discharge performance at 5°C	(Cl. 7.2.2) IEC 62259:
1329	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Discharge performance at 5°C	(Cl. 7.2.2) IS 15767: 2008 RA
1330	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Electrolyte retention	(Cl. 7.8) IS 15767: 2008 RA
1331	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Endurance in cycles	(Cl. 7.4.1) IEC 62259:
1332	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Endurance in cycles	(Cl. 7.4.1) IS 15767: 2008 RA
1333	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	High rate current test	(Cl. 7.2.4) IEC 62259:
1334	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	High rate current test	(Cl. 7.2.4) IS 15767: 2008 RA
1335	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Permanent charge endurance	(Cl. 7.4.2) IEC 62259
1336	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Permanent charge endurance	(Cl. 7.4.2) IS 15767: 2008 RA
1337	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Storage	(Cl. 7.10) IS 15767: 2008 RA

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1338	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Storage	(Cl. 7.10) IEC 62259:
1339	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Vent operation	(Cl. 7.7) IS 15767: 2008 RA
1340	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Verification of Marking	(Cl. 5.3) IEC 62259:
1341	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Nickel-cadmium prismatic secondary single cells with partial gas recombination	Verification of Marking	(Cl. 5.3) IS 15767: 2008 RA
1342	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- portable sealed rechargeable single cells – Nickel-Cadmium	Charge (capacity) retention	(Cl. 7.3) IS 16048 (Part 1): 2021 RA :2018 IEC 61951-1
1343	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- portable sealed rechargeable single cells – Nickel-Cadmium	Charge Acceptance at +55°C for LT, MT or HT Cylindrical Cells	(Cl. 7.9) IS 16048 (Part 1): 2021 RA :2018 IEC 61951-1
1344	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- portable sealed rechargeable single cells – Nickel-Cadmium	Dimensions	(Cl. 6.1) IS 16048 (Part 1): 2021 RA :2018 IEC 61951-1
1345	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- portable sealed rechargeable single cells – Nickel-Cadmium	Discharge performance at -18°C	(Cl. 7.2.2) IS 16048 (Part 1): 2021 RA:2018 IEC 61951-1
1346	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- portable sealed rechargeable single cells – Nickel-Cadmium	Discharge performance at 20°C	(Cl. 7.2.1) IS 16048 (Part 1): 2021 RA :2018 IEC 61951-1
1347	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- portable sealed rechargeable single cells – Nickel-Cadmium	Discharge performance for rapid charge cells (R Cells)	(Cl. 7.2.3) IS 16048 (Part 1): 2021 RA :2018 IEC 61951-1
1348	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- portable sealed rechargeable single cells – Nickel-Cadmium	Endurance in cycles	(Cl. 7.4.1) IS 16048 (Part 1): 2021 RA :2018 IEC 61951-1
1349	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- portable sealed rechargeable single cells – Nickel-Cadmium	Measurement of internal d.c. resistance	(Cl. 7.10.2) IS 16048 (Part 1): 2021 RA :2018 IEC 61951-1
1350	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- portable sealed rechargeable single cells – Nickel-Cadmium	Overcharge	(Cl. 7.6) IS 16048 (Part 1): 2021 RA :2018 IEC 61951-1
1351	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- portable sealed rechargeable single cells – Nickel-Cadmium	Permanent Charge Endurance	(Cl. 7.4.2) IS 16048 (Part 1): 2021 RA :2018 IEC 61951-1

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1352	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- portable sealed rechargeable single cells – Nickel-Cadmium	Storage	(Cl. 7.8) IS 16048 (Part 1): 2021 RA :2018 IEC 61951-1
1353	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- portable sealed rechargeable single cells – Nickel-Cadmium	Verification of Marking	(Cl. 5.3) IS 16048 (Part 1): 2021 RA:2018 IEC 61951-1
1354	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Vented Nickel-Cadmium Prismatic Rechargeable Single Cells	Charge Acceptance at Constant Voltage	(Cl. 7.6) IEC 60623
1355	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Vented Nickel-Cadmium Prismatic Rechargeable Single Cells	Charge Retention	(Cl. 7.4) IEC 60623
1356	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Vented Nickel-Cadmium Prismatic Rechargeable Single Cells	Discharge Performance at +5°C	(Cl. 7.3.3) IEC 60623
1357	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Vented Nickel-Cadmium Prismatic Rechargeable Single Cells	Discharge Performance at -18°C	(Cl. 7.3.4) IEC 60623
1358	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Vented Nickel-Cadmium Prismatic Rechargeable Single Cells	Discharge Performance at 20°C	(Cl. 7.3.2) IEC 60623
1359	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Vented Nickel-Cadmium Prismatic Rechargeable Single Cells	Discharge Performance at High Temperature	(Cl. 7.3.6) IEC 60623
1360	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Vented Nickel-Cadmium Prismatic Rechargeable Single Cells	Discharge Performance at Low Temperature	(Cl. 7.3.5) IEC 60623
1361	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Vented Nickel-Cadmium Prismatic Rechargeable Single Cells	Endurance in Cycles	(Cl. 7.5.2) IEC 60623
1362	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Vented Nickel-Cadmium Prismatic Rechargeable Single Cells	High Rate Current Test	(Cl. 7.3.7) IEC 60623
1363	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Vented Nickel-Cadmium Prismatic Rechargeable Single Cells	Storage	(Cl. 7.9) IEC 60623
1364	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes- Vented Nickel-Cadmium Prismatic Rechargeable Single Cells	Verification of Marking	(Cl. 5.4) IEC 60623:
1365	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes-portable sealed rechargeable single cells - Nickel-Metal Hydride	Charge (capacity) retention	(Cl. 7.4) IS 16048 (Part 2):2021 IEC 61951-2

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1366	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes-portable sealed rechargeable single cells - Nickel-Metal Hydride	Charge Acceptance at +55°C for LT, MT or HT Cylindrical Cells	(Cl. 7.11) IS 16048 (Part 2):2021 IEC 61951-2
1367	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes-portable sealed rechargeable single cells - Nickel-Metal Hydride	Dimensions	(Cl. 6) IS 16048 (Part 2):2021 IEC 61951-2
1368	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes-portable sealed rechargeable single cells - Nickel-Metal Hydride	Discharge performance at 0°C	(Cl. 7.2.2) IS 16048 (Part 2):2021 IEC 61951-2
1369	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes-portable sealed rechargeable single cells - Nickel-Metal Hydride	Discharge performance at 20°C	(Cl. 7.3.2) IS 16048 (Part 2):2021 IEC 61951-2
1370	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes-portable sealed rechargeable single cells - Nickel-Metal Hydride	Discharge performance for rapid charge cells (R Cells)	(Cl. 7.3.4) IS 16048 (Part 2):2021 IEC 61951-2
1371	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes-portable sealed rechargeable single cells - Nickel-Metal Hydride	Endurance in cycles	(Cl. 7.5.1) IS 16048 (Part 2):2021 IEC 61951-2
1372	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes-portable sealed rechargeable single cells - Nickel-Metal Hydride	Measurement of internal d.c. resistance	(Cl. 7.12.3) IS 16048 (Part 2):2021 IEC 61951-2
1373	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes-portable sealed rechargeable single cells - Nickel-Metal Hydride	Overcharge	(Cl. 7.7) IS 16048 (Part 2):2021 IEC 61951-2
1374	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes-portable sealed rechargeable single cells - Nickel-Metal Hydride	Permanent Charge Endurance	(Cl. 7.5.2) IS 16048 (Part 2):2021 IEC 61951-2
1375	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes-portable sealed rechargeable single cells - Nickel-Metal Hydride	Storage	(Cl. 7.10) IS 16048 (Part 2):2021 IEC 61951-2
1376	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes-portable sealed rechargeable single cells - Nickel-Metal Hydride	Verification of Marking	(Cl. 5.3) IS 16048 (Part 2):2021 IEC 61951-2
1377	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for photovoltaic energy systems (PVES)- (Photovoltaic off-grid application)	Capacity Test	(Cl. 8.1 & 7.2) IEC 61427-1
1378	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for photovoltaic energy systems (PVES)- (Photovoltaic off-grid application)	Capacity Test	(Cl. 8.1 & 7.2) IEC 61427-1:
1379	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for photovoltaic energy systems (PVES)- (Photovoltaic off-grid application)	Charge Efficiency	(Cl. 5.2) IEC 61427-1
1380	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for photovoltaic energy systems (PVES)- (Photovoltaic off-grid application)	Charge Efficiency	(Cl. 5.2) IEC 61427-1:

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1381	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for photovoltaic energy systems (PVES)- (Photovoltaic off-grid application)	Charge Retention Test	(Cl. 8.3 & 7.2) IEC 61427-1
1382	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for photovoltaic energy systems (PVES)- (Photovoltaic off-grid application)	Charge Retention Test	(Cl. 8.3 & 7.2) IEC 61427-1
1383	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for photovoltaic energy systems (PVES)- (Photovoltaic off-grid application)	Cycling Endurance Test in Photovoltaic Application (Extreme Conditions)	(Cl. 8.4) IEC 61427-1
1384	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for photovoltaic energy systems (PVES)- (Photovoltaic off-grid application)	Cycling Endurance Test in Photovoltaic Application (Extreme Conditions)	(Cl. 8.4) IEC 61427-1
1385	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for photovoltaic energy systems (PVES)- (Photovoltaic off-grid application)	Generic cycling Endurance Test	(Cl. 8.2 & 7.2) IEC 61427-1
1386	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for photovoltaic energy systems (PVES)- (Photovoltaic off-grid application)	Generic cycling Endurance Test	(Cl. 8.2 & 7.2) IEC 61427-1
1387	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for photovoltaic energy systems (PVES)- (Photovoltaic off-grid application)	Generic cycling Endurance Test	(Cl. 8.2 & 7.2) IEC 61427-1
1388	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for photovoltaic energy systems (PVES)- (Photovoltaic off-grid application)	Verification of Marking	(Cl. 5.4) IEC 61427-1
1389	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Capacity Test	(Cl. 8.1 & 7.2) IS 16270
1390	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Capacity Test	(Cl. 8.1 & 7.2) IS 16270
1391	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Charge Retention Test	(Cl. 8.3 & 7.2) IS 16270
1392	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Charge Retention Test	(Cl. 8.3 & 7.2) IS 16270
1393	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Cyclic Endurance in Photovoltaic Application (Extreme Conditions)	(Cl. 8.4) IS 16270
1394	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Cyclic Endurance in Photovoltaic Application (Extreme Conditions)	(Cl. 8.4) IS 16270
1395	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Endurance Test	(Cl. 8.2 & 7.2) IS 16270
1396	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Endurance Test	(Cl. 8.2 & 7.2) IS 16270
1397	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Non Spillability/ Semi Non Spillability/ Splash Proof Test	(Cl. 8.7) IS 16270

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1398	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Non Spillability/ Semi Non Spillability/ Splash Proof Test	(Cl. 8.7) IS 16270
1399	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Sulphation Test (Applicable for Lead Acid Batteries Only)	(Cl. 8.5) IS 16270
1400	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Verification of Marking	(Cl. 5.4) IS 16270
1401	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Verification of Marking	(Cl. 5.4) IS 16270
1402	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries for Solar Photovoltaic Applications	Water Loss Test (Valid for Flooded Lead Acid Batteries Only)	(Cl. 8.6) IS 16270
1403	ELECTRICAL- CELLS & BATTERIES	Small-sized valve regulated lead acid batteries	Capacity	(Cl. 7.1 & 5.1) JIS C 8702-1
1404	ELECTRICAL- CELLS & BATTERIES	Small-sized valve regulated lead acid batteries	Charge acceptance characteristics after deep discharge	(Cl. 7.6 & 5.6) JIS C 8702-1
1405	ELECTRICAL- CELLS & BATTERIES	Small-sized valve regulated lead acid batteries	Cycle service endurance	(Cl. 7.3 & 5.3) JIS C 8702-1
1406	ELECTRICAL- CELLS & BATTERIES	Small-sized valve regulated lead acid batteries	Endurance in trickle application	(Cl. 7.7 & 5.7) JIS C 8702-1
1407	ELECTRICAL- CELLS & BATTERIES	Small-sized valve regulated lead acid batteries	Endurance in trickle application at 40°C	(Cl. 7.8 & 5.8) JIS C 8702-1
1408	ELECTRICAL- CELLS & BATTERIES	Small-sized valve regulated lead acid batteries	Gas emission intensity	(Cl. 7.9 & 5.9) JIS C 8702-1
1409	ELECTRICAL- CELLS & BATTERIES	Small-sized valve regulated lead acid batteries	Gas recombinating characteristics	CL.7.10 & 5.10 JIS C 8702-1
1410	ELECTRICAL- CELLS & BATTERIES	Small-sized valve regulated lead acid batteries	High Rate Discharge Characteristics	(Cl.7.2 & 5.2) JIS C 8702-1
1411	ELECTRICAL- CELLS & BATTERIES	Small-sized valve regulated lead acid batteries	Maximum permissible current	(Cl.7.5 & 5.5) JIS C 8702-1
1412	ELECTRICAL- CELLS & BATTERIES	Small-sized valve regulated lead acid batteries	SHOCK RESISTANCE CHARACTERISTICS	CL.7.12 & 5.12 JIS C 8702-1
1413	ELECTRICAL- CELLS & BATTERIES	Small-sized valve regulated lead acid batteries	Storage Characteristics	(Cl. 7.4 & 5.4) JIS C 8702-1
1414	ELECTRICAL- CELLS & BATTERIES	Small-sized valve regulated lead acid batteries	Verification of Marking items, Verification of Marking of polarity	(Cl. 4.3 & 4.4) JIS C 8702-1
1415	ELECTRICAL- CELLS & BATTERIES	Stationary Cells and Batteries, Lead Acid Type (With Tubular Positive Plates)	Alternative Rates of Test Discharges	(Cl. 12.6) IS 1651: 2013 RA

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1416	ELECTRICAL- CELLS & BATTERIES	Stationary Cells and Batteries, Lead Acid Type (With Tubular Positive Plates)	Ampere-hour and Watt-hour efficiency tests	(Cl. 12.9) IS 1651:2013 RA
1417	ELECTRICAL- CELLS & BATTERIES	Stationary Cells and Batteries, Lead Acid Type (With Tubular Positive Plates)	Endurance Test	(Cl. 12.8) IS 1651: 2013 RA
1418	ELECTRICAL- CELLS & BATTERIES	Stationary Cells and Batteries, Lead Acid Type (With Tubular Positive Plates)	Loss of capacity on storage	(Cl. 12.7) IS 1651:2013 RA
1419	ELECTRICAL- CELLS & BATTERIES	Stationary Cells and Batteries, Lead Acid Type (With Tubular Positive Plates)	Short Circuit and Internal Resistance Test	(Cl. 12.13) IS 1651: 2013 RA
1420	ELECTRICAL- CELLS & BATTERIES	Stationary Cells and Batteries, Lead Acid Type (With Tubular Positive Plates)	Test for capacity	(Cl. 12.5) IS 1651:2013 RA
1421	ELECTRICAL- CELLS & BATTERIES	Stationary Cells and Batteries, Lead Acid Type (With Tubular Positive Plates)	Test for Suitability of Floating Battery Operation	(Cl. 12.12) IS 1651: 2013 RA
1422	ELECTRICAL- CELLS & BATTERIES	Stationary Cells and Batteries, Lead Acid Type (With Tubular Positive Plates)	Test for voltage during discharge	(Cl. 12.10) IS 1651:2013 RA
1423	ELECTRICAL- CELLS & BATTERIES	Stationary Cells and Batteries, Lead Acid Type (With Tubular Positive Plates)	Verifcation of dimensions	(Cl. 12.4, 7.1 & 7.2) IS 1651:2013 RA
1424	ELECTRICAL- CELLS & BATTERIES	Stationary Cells and Batteries, Lead Acid Type (With Tubular Positive Plates)	Verification of constructional requirements	(Cl. 12.2 & 6) IS 1651:2013 RA
1425	ELECTRICAL- CELLS & BATTERIES	Stationary Cells and Batteries, Lead Acid Type (With Tubular Positive Plates)	Verification of marking	(Cl. 12.3 & 8) IS 1651:2013 RA
1426	ELECTRICAL- CELLS & BATTERIES	Stationary Cells and Batteries, Lead Acid Type (With Tubular Positive Plates)	Water Loss Test	(Cl. 12.11) IS 1651: 2013 RA
1427	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type (With Tubular positive Plates)	Ampere-hour and watt-hour efficiency tests	CL.11.8 IS: 13369: 1992 RA
1428	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type (With Tubular positive Plates)	ENDURANCE TEST	CL.11.7 IS: 13369: 1992 RA
1429	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type (With Tubular positive Plates)	EQUILIBRIUM FLOAT CURRENT TEST	CL.11.10 IS: 13369: 1992 RA
1430	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type (With Tubular positive Plates)	Test for capacity	CL.11.5 IS: 13369: 1992 RA
1431	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type (With Tubular positive Plates)	Test for loss of capacity on storage/ Retention of charge	CL.11.6 IS: 13369: 1992 RA
1432	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type (With Tubular positive Plates)	Verification of constructional requirements	CL.11.2 & 6 IS: 13369: 1992 RA
1433	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type (With Tubular positive Plates)	Verification of dimensions	CL.11.4 &7.1 IS: 13369: 1992 RA
1434	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type (With Tubular positive Plates)	Verification of marking and packing	CL.11.3 & 8 IS: 13369: 1992 RA

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1435	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type (With Tubular positive Plates)	WATER LOSS TEST	CL.11.9 IS: 13369: 1992 RA
1436	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type With Plante positive Plates	ALTERNATE RATED TEST DISCHARGE	CL.10.7 IS: 1652: 2013 RA
1437	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type With Plante positive Plates	Ampere-hour and watt-hour efficiency tests	CL.10.10 IS: 1652: 2013 RA
1438	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type With Plante positive Plates	ENDURANCE TEST	CL.10.9 IS: 1652: 2013 RA
1439	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type With Plante positive Plates	LOSS OF WATER TEST	CL.10.12 IS: 1652: 2013 RA
1440	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type With Plante positive Plates	SHORT CIRCUIT CURRENT AND INTERNAL RESISTANCE TEST	CL.10.14 IS: 1652: 2013 RA
1441	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type With Plante positive Plates	Test for capacity	CL.10.6 IS: 1652: 2013 RA
1442	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type With Plante positive Plates	Test for loss of capacity on storage	CL.10.8 IS: 1652: 2013 RA
1443	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type With Plante positive Plates	Test for voltage during discharge	CL.10.11 IS: 1652: 2013 RA
1444	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type With Plante positive Plates	TEST OF SUITABILITY OF FLOATING BATTERY OPERATION	CL.10.13 IS: 1652: 2013 RA
1445	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type With Plante positive Plates	Verification of constructional requirements	CL.10.4.1a& 5 IS: 1652: 2013 RA
1446	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type With Plante positive Plates	Verification of dimensions	CL.10.4.1c & 6.1 IS: 1652: 2013 RA
1447	ELECTRICAL- CELLS & BATTERIES	Stationary cells and Batteries, Lead-Acid type With Plante positive Plates	Verification of marking	CL.10.4.1b & 7 IS: 1652: 2013 RA
1448	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries – Vented Types	Capacity Test	(Cl. 7 & 14) IEC 60896-11
1449	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries – Vented Types	Charge Retention test	(Cl. 10 & 18) IEC 60896-11
1450	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries – Vented Types	Endurance in discharge-charge cycles	(Cl. 9.1 & 16) IEC 60896-11
1451	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries – Vented Types	Endurance in overcharge	(Cl. 9.2 & 17) IEC 60896-11
1452	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries – Vented Types	Short-circuit current and internal resistance determination	(Cl. 11 & 19) IEC 60896-11

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1453	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries – Vented Types	Test of suitability for floating battery operation	(Cl. 8 & 15) IEC 60896-11
1454	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries – Vented Types	Verification of Cell and battery markings	(Cl. 21) IEC 60896-11
1455	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries – Vented Types	Verification of marking of polarity	(Cl. 24) IEC 60896-11
1456	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries: Valve regulated types	Abusive over-discharge	(Cl. 6.17) IEC 60896-21
1457	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries: Valve regulated types	Charge retention during storage	(Cl. 6.12) IEC 60896-21
1458	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries: Valve regulated types	Content and durability of required marking	(Cl. 6.6) IEC 60896-21
1459	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries: Valve regulated types	Discharge capacity	(Cl. 6.11) IEC 60896-21
1460	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries: Valve regulated types	Float service with daily discharges	(Cl. 6.13) IEC 60896-21
1461	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries: Valve regulated types	Gas emission	CL.6.1 IEC 60896-21
1462	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries: Valve regulated types	High current tolerance	(Cl. 6.2) IEC 60896-21
1463	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries: Valve regulated types	Recharge behaviour	(Cl. 6.14) IEC 60896-21
1464	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries: Valve regulated types	Service life at an operating temperature of 40°C	(Cl. 6.15) IEC 60896-21
1465	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries: Valve regulated types	Short-circuit current and d.c. internal resistance	(Cl. 6.3) IEC 60896-21
1466	ELECTRICAL- CELLS & BATTERIES	Stationary Valve Regulated Lead Acid Batteries	Voltage during C10 Discharge test	(Cl. 12.1.1) IS 15549:2005 RA
1467	ELECTRICAL- CELLS & BATTERIES	Stationary Valve regulated Lead-Acid Batteries	AMPERE HOUR EFFICIENCY	CL.12.4 IS 15549: 2005 RA
1468	ELECTRICAL- CELLS & BATTERIES	Stationary Valve regulated Lead-Acid Batteries	Capacity test at other discharge rates	(Cl. 12.3) IS 15549: 2005 RA
1469	ELECTRICAL- CELLS & BATTERIES	Stationary Valve regulated Lead-Acid Batteries	CHECKING DIMENSIONS AS PER MANUFACTURER'S DRAWING	CL.10.1.1 (b) IS 15549: 2005 RA
1470	ELECTRICAL- CELLS & BATTERIES	Stationary Valve regulated Lead-Acid Batteries	Endurance Life Cycle Test	(Cl. 12.10) IS 15549: 2005 RA
1471	ELECTRICAL- CELLS & BATTERIES	Stationary Valve regulated Lead-Acid Batteries	Test for C1 Capacity	(Cl.12.2) IS 15549: 2005 RA

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1472	ELECTRICAL- CELLS & BATTERIES	Stationary Valve regulated Lead-Acid Batteries	Test for C10 Capacity	CL.12.1 IS 15549: 2005 RA
1473	ELECTRICAL- CELLS & BATTERIES	Stationary Valve regulated Lead-Acid Batteries	Test for Oxygen Recombination Efficiency	(Cl. 12.9) IS 15549: 2005 RA
1474	ELECTRICAL- CELLS & BATTERIES	Stationary Valve regulated Lead-Acid Batteries	TEST FOR RETENTION OF CHARGE	CL.12.6 IS 15549: 2005 RA
1475	ELECTRICAL- CELLS & BATTERIES	Stationary Valve regulated Lead-Acid Batteries	Test on separators	(Cl. 12.7) IS 15549: 2005 RA
1476	ELECTRICAL- CELLS & BATTERIES	Stationary Valve regulated Lead-Acid Batteries	VISUAL EXAMINATION	CL.10.1.1 (a), 4.1 to 4.9 and 8.1 IS 15549: 2005 RA
1477	ELECTRICAL- CELLS & BATTERIES	Stationary Valve regulated Lead-Acid Batteries	WATT HOUR EFFICIENCY	CL.12.5 IS 15549: 2005 RA
1478	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Ampere-Hour and Watt-Hour Efficiency Tests	(Cl. 10.13) IS 10918: 1984 RA
1479	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Ampere-hour Capacity	(Cl. 10.7) IS 10918: 1984 RA
1480	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Dimensions, Mass and Layout	(Cl. 10.3) IS 10918: 1984 RA
1481	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Discharge Performance at Low Temperature	(Cl. 10.9) IS 10918: 1984 RA
1482	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Insulation Resistance Test	(Cl. 10.11) IS 10918: 1984 RA
1483	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Life Cycle Test	(Cl. 10.10) IS 10918: 1984 RA
1484	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Physical Examination	(Cl. 10.2 & 3) IS 10918: 1984 RA
1485	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Polarity	(Cl. 10.5) IS 10918: 1984 RA
1486	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Retention of Charge	(Cl. 10.8) IS 10918: 1984 RA
1487	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Storage Test	(Cl. 10.12) IS 10918: 1984 RA
1488	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Verification of Marking	(Cl. 10.4, 4 & 6) IS 10918: 1984 RA
1489	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter	Conformance test	IS 15959 (Part 1): 2011 / IS / IEC 62056 (DLMS / COSEM)-2005

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1490	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment	Impulse Voltage test	Cl.7.3.2 of IEC 62052-11- 2003 Amd1-2016 / IEC 62052-11-2020 / Cl.7.7 of IEC 62055-31-2005 Amd1-2016 / IEC 62052-31-2015 / Cl.7.4 of IEC 62053-11- 2003 Amd1-2016 / Cl.7.4 of IEC 62053-21 -2003 Amd1-2016 / Cl.7.4 of IEC 62053-22- 2003 Amd1-2016 /Cl.7.4 of IEC 62053-23 -2003 Amd1-2016 /Cl.7.4 of IEC 62053-24-2014 Amd1-2016 / Cl.12.7.6.2 of IS 13779-2020 / Cl.12.7.6.2 of IS 14697-2021
1491	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Sub harmonics in ac current circuit	IEC 62052-11- 2003 Amd1-2016 / IEC 62053-21-2020 / Cl.8.2 of IEC 62053-21- 2003 Amd1-2016 / Cl.8.2 of IEC 62053-22- 2003 Amd 1 -2016 / IEC 62053-22 -2020 / IEC 62053-24 -2014 Amd1-2016 / Cl.8 of IEC 62055-31-2005
1492	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Direct Connected Watthour Smart Meter Class 1 and Class 2	Smart Meter Functional Requirements	Cl.11 of IS 16444 (Part 1)- 2015 Amd 1 -2017 Amd 2 -2019
1493	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Direct Connected Watthour Smart Meter Class 1 and Class 2	Test for Data Exchange Protocol	Cl.10.5 of IS 16444 (Part 1)- 2015 Amd 1 -2017 Amd 2 -2019
1494	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Direct Connected Watthour Smart Meter Class 1 and Class 2	Test for Smart Meter Communicability	Cl.10.6 of IS 16444 (Part 1)- 2015 Amd 1 -2017 Amd 2 -2019
1495	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Transformer Operated Watthour and Var - Hour Smart Meters, 0.2S, 0.5S and 1.0S Part 2 Transformer Operated Smart Meters	Smart Meter Functional Requirements	Cl No 10 of IS 16444 (Part 2)-2017
1496	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Transformer Operated Watthour and Var - Hour Smart Meters, 0.2S, 0.5S and 1.0S Part 2 Transformer Operated Smart Meters	Test for Smart Meter Communicability	Cl No 9.5 of IS 16444 (Part 2)-2017

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1497	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c Static Transformer Operated Watthour and Var - Hour Smart Meters, 0.2S, 0.5S and 1.0S Part 2 Transformer Operated Smart Meters	Test for Data Exchange Protocol	Cl No 9.4 of IS 16444 (Part 2)-2017
1498	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S	Insulation Resistance test	IS 16444(Part 1):2015 , Amd1 cl.6.10.6, IS 16444(Part 2):2017 cl.6.10.6 CBIP Publication No: 325: cl.5.4.6.4-2015
1499	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S	Abnormal a.c magnetic induction of external origin(0.2T)	(Withdrawn Standard) CBIP manual 304-2008
1500	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S	AC High voltage test	IS 13010: 2002, Amd1-2, cl.11.10.3, IS 13779: 1999 Amd1-5, cl.12.7.6.3,IS 13779:2020, IS 14697: 1999 Amd1-4, cl.12.7.6.3, IS 14697:2021,IS 15884 :2010 cl.5.4.6.3 IS 16444(Part 1):2015 cl.6.10.6,Amd1 IS 16444(Part 2): cl.6.10.6-2017,Amd1-2019
1501	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2	Test of Repeatability of error	IS 13010: 2002, Amd1& Amd2 cl.11.19 IS 13779: 1999,cl.12.17,Amd1 to 5, IS 13779:2020, Cl 12.17, IS 14697: 1999,cl.12.16, Amd 1 to 4, IS 14697:2021,Cl12.16, IS 15884 :2010cl.5.6.7 IS 16444(Part 1):2015 cl.6.12,Amd1 IS 16444(Part 2):2017 cl.6.12,IEC 62052-11:2020, CBIP Publication No: 325: cl.5.6.9-2015

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1502	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Power consumption test / Power loss	Cl.11.8 of IS 13010-2002 Amd1 Amd 2 / Cl.12.7.1 of IS 13779-1999 Amd 1-5 / Cl.12.7.1 of IS 13779-2020 / Cl.12.7.1 of IS 14697-1999 Amd1-4 / Cl.12.7.1 of IS 14697-2021 / IEC 62052-11-2003 Amd1-2016 / Cl.7.1 of IEC 62053-11- 2003 Amd1-2016 / Cl.7.1 of IEC 62053-21- 2003 Amd1-2016 / IEC 62053-21-2020 / Cl.7.1 of IEC 62053-22- 2003 Amd1-2016 / IEC 62053-22-2020 / Cl.7.1 of IEC 62053-23-2003 Amd1 -2016 / IEC 62053-23-2020 / Cl.7.2 of IEC 62053-24 -2014 Amd1-2016 / Cl.7-2017
1503	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2	Abnormal a.c magnetic induction of external origin(10mT)	Cl.12.11 of IS 13779-1999, Amd 1 to 5 / Cl.12.11 of IS 13779-2020 / Cl.12.10 of IS 14697-1999, Amd 1 to 4 / Cl 12.10 of IS 14697-2021 / Cl.5.6.2, 4.6.3 of CBIP Publication No: 325-2015 / Cl.4.6.2 of IS 15884-2010 / Cl.6.12 of IS 16444(Part 1)-2015,Amd1 / Cl.6.12 of IS 16444(Part 2) -2017
1504	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR-Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2	Impulse Voltage test	IS 13010: 2002, Amd1& Amd2 cl.11.10.2 IS13779:1999 Amd1 to 5 cl.12.7.6.2 IS 14697:1999 Amd 1 to 4 cl.12.7.6.2, IS 15884 :2010,cl.5.4.6.2 IS 16444(Part 1):2015 ,cl.6.10.6,Amd1 IS 16444(Part 2):2017 cl.6.10.6, CBIP Publication No: cl.5.4.6.2 of 325:2015

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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
1505	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Test of ambient temperature influence / Limits of error due to Ambient temperature Variation	IS 13010: 2002, Amd1& Amd 2,cl.11.11,IS 13779:1999, cl.12.12,Amd1 to 5, IS 13779:2020, IS 14697:1999 ,cl.12.11,Amd: 1 to 4,IS 14697:2021, IEC: 62052-11, 2003,Amd1, IEC 62-11:2020,IEC: 62053-11, 2,Amd 1,cl.8.2. IEC: 62053-21, 2003,cl.8.2,Amd1,IEC 62053-21:2020, IEC: 62053-22, 2003,cl.8.2,Amd1, IEC 62053-22:2020, IEC: 62053-23 ,2003,cl.8.2,Amd1IEC 62053-23:2020, IEC: 62053-24 ,2014,Amd1cl.8.3 IEC: 62055-31 ,2005, cl.8 CBIP No: 325:2015 cl.5.6.3 IS 15884 :2010cl.4.6.3 IS 16444(P-2)-2017
1506	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Test of Meter constant	IS 13010: 2002, Amd1-2 cl.11.6 IS 13779: 1999,cl.12.15, Amd1-5 , IS 13779:2020, IS 14697: 1999 ,cl.12.14, Amd 1-4, IS 14697:2021, IEC: 62052-11, 2003,Amd1,IEC 62052-11:2020, IEC: 62053-11, 2003,Amd1,cl.8.4 IEC: 62053-21,cl.8.4, 2003,Amd1,IEC 62053-21:2020, IEC: 62053-22, 2003,cl.8.4,Amd1,IEC 62053-22:2020, IEC: 62053-23 ,2003,Amd1,cl.8.4 IEC 62053-23:2020,IEC: 62053-24 ,2014,Amd1cl.8.5 IEC: 62055-31 ,2005, Cl.8 CBIP No: 325:2015 cl.5.6.6 IS 15884 :2010cl.5.6.5 IS 16444(Part -2)-2017

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1507	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Verification of Test results	IS 13010: 2002, Amd1-2,cl.11.7, IS 13779: 1999,cl.12.1,Amd1 t-5,IS 13779:2020, IS 14697: 1999 Amd 1-4, cl.12.15, IS 14697:2021, IEC: 62052-11, 2003,Amd1 IEC: 62053-11, 2003, Amd1cl.8.6 IEC: 62053-21 ,2003 Amd 1 cl.8.6, IEC 62053-21:2020, IEC: 62053-22, 2003,Amd1 cl.8.6,IEC 62053-22:2020, IEC: 62053-23 ,2003,cl.8.6,Amd1, IEC 62053-23:2020, IEC: 62053-24 ,2014,Amd1,cl.8.7 IEC: 62055-31 ,2005 cl.8 CBIP No: 325:2015 IS 15884 :2010,cl.5.6.6 IS 16444(Part 1):2015 cl.6.12,Amd-1-2-2017
1508	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	General & constructional requirements / General requirements	Cl No. 5.0, 6.0, 7.0 of IS 13010-2002, Amd 1- 2 / Cl..No. l.6.0 of IS 13779-1999, Amd 1-5 / IS 13779-2020 / Cl. No. 5.0 to 6.0 of IS 14697-1999, Amd 1-4 / IS 14697-2021 / Cl. No. l 5.3 to 5.7 of IEC 62052-11-2003, Amd 1 / IEC 62052-11-2020 / IEC 62053-11-2003, Amd 1 / IEC 62053-21-2003,Amd1-2016
1509	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Influence of Heating	IS 13010: 2002, Amd1-2, cl.11.9, IS 13779: 1999,Amd1 t-5, cl.12.7.5, IS 13779:2020, IS 14697: 1999,Amd:1-4, cl.12.7.5, IS 14697:2021, IEC: 62052-11, 2003, Amd1,cl.7.2, IEC 62052-11:2020, IEC: 62053-11, 2003,Amd1, IEC: 62053-24 ,2014,Amd1 IEC: 62055-31 ,2005, cl.7.5BIP No.: 325:2015 cl.5.4.5 IS 15884 :2010,cl.5.4.5 IS 16444(Part 1):2015,Amd1 cl.6.10.5 IS 16444(Part 2): cl.6.10.5-2017

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1510	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Influence of self heating	Cl.11.13 of IS 13010-2002, Amd1-2 / Cl.12.7.4 of IS 13779-1999,Amd1-5 /IS 13779-2020 / Cl.12.7.4 of IS 14697-1999,Amd:1 to 4 / IS 14697-2021 / Cl.7.3 of IEC 62052-11-2003,Amd1 / CBIP No.325-2015 /IEC 62052-11-2020 / IEC 62053-11-2003,Amd1 / IEC 62053-21-2003, Amd1-2016
1511	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Voltage Unbalance	IS 13010-2002 Amd1- 2 / Cl.12.11 of IS 13779-1999 Amd1-5 / IS 13779-2020 / Cl.12.10 of IS 14697-1999 Amd1-4 / IS 14697-2021 / IEC 62052-11-2003 Amd1-2016 / IEC 62052-11-2020 / IEC 62053-11-2003 Amd1-2016 / Cl.8.2 of IEC 62053-21-2003 Amd1-2016 / IEC 62053-21-2020 / Cl.8.2 of IEC 62053-22- 2003 Amd1-2016 / IEC 62053-22-2020 / IEC 62055-31-2005 Amd1-2016 / Cl.5.6.2 of CBIP No 325 -2015 / Cl.4.6.2 of IS 15884-2010 / Cl.6.12 of IS 16444(Part 1)-2015 ,Amd1-2017 Amd 2-2019
1512	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Short time overcurrent Test Effect of Short time overcurrent	Cl.11.12 of IS 13010-2002, Amd 1-2 / Cl.12.7.3 of IS 13779-1999, Amd 1 -5/ IS 13779-2020 / Cl.12.7.3 of IS 14697-1999, Amd:1 to 4 / IS 14697-2021 / Cl.7.2 of IEC 62052-11-2003,Amd 1 / IEC 62052-11-2020 / IEC 62053-11-2003,Amd1 / CBIP No.325-2015 / Cl.7.2, of IEC 62053-21-2003, Amd1-2016 / IS 15884-2010 / IS 16444(Part-1)-2015 & (Part-2))-2017

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1513	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Spring Hammer test/Mechanical test of meter case	IS 13010: 2002, Amd1-2 IS 13779: 1999, Amd1-5, cl.12.3.3,IS 13779:2020, IS 14697: 1999, Amd 1-4,cl.12.3.3, IS 14697:2021, IEC: 62052-11: 2003,Amd1 cl.5.2.2.1,IEC 62052-11:2020, IEC: 62053-21: 2003, Amd1,IEC 62053-21:2020, IEC: 62053-22: 2003, Amd1IEC 62053-22:2020, IEC: 62053-23 :2003, ,Amd1,IEC62053-23:2020, IEC: 62053-24 ;2014,Amd1cl.5 IEC: 62055-31;2005,Amd1 , IEC 62052-31:2015, CBIP No: 325:2015 cl.5.2.1 IS 15884 :2010,cl.5.2.1 IS 16444(Part 1):2015, Amd1 cl.6.5 IS 16444(Part-2)-2017
1514	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Test of Resistance to heat & fire	IS 13010: 2002, Amd1-2 IS 13779: 1999,Amd1-5 cl.12.4,IS 13779:2020, IS 14697: 1999, Amd 1 -4 cl.12.4, IS 14697:2021, IEC: 62052-11: 2003,Amd1 cl.5.8 , IEC 62052-11:2020,IEC 62052-31:2015,IEC: 62053-21: 2003, Amd1, IEC 62053-21-2020, IEC: 62053-22: 2003, Amd1,IEC 62053-22:2020, IEC: 62053-23 :2003, ,Amd1,IEC 62053-23:2020, IEC: 62053-24 :2014,Amd1 cl.5 IEC: 62055-31 :2005,Amd1 CBIP No: 325:2015 cl.5.2.4 IS 15884 :2010,cl.5.2.4 IS 16444(Part 1):2015, Amd1 cl.6.5 IS 16444(Part 2)-2017

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1515	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Verification of Marking of meters	IS 13010: 2002, Amd 1-2 ,cl.8,9, IS 13779: 1999,Amd1-5, cl.7.0,IS 13779:2020, IS 14697: 1999 , Amd 1 -4 cl.7.0,IS 14697:2021, IEC: 62052-11: 2003, Amd1 cl.5.10 to 5.12, IEC 62052-11:2020, IEC: 62053-11: 2003,Amd1, IEC: 62053-21: 2003,Amd1,IEC 62053-21:2020, IEC: 62053-22: 2003,Amd1,IEC 62053-22:2020, IEC: 62053-23 :2003,Amd1,IEC 62053-23:2020, IEC: 62053-24 :2014,Amd1 IEC: 62055-31 :2005,Amd1 CBIP No: 325:2015,cl.4.2.2.11, IS 15884 :2010,cl.4.2.11 IS 16444(Part 1):2015,Amd1-2017
1516	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Limits of Error due to other influence quantities/ Test of influence quantities -Frequency variation	Cl.11.11 of IS 13010-2002 Amd1-2 / Cl.12.11 of IS 13779-1999 Amd1-5 / IS 13779-2020 / Cl.12.10 of IS 14697-1999 Amd1 to Amd 4 / IS 14697-2021 / IEC 62052-11-2003 Amd1-2016 / IEC 62052-11-2020 / IEC 62053-11-2003 Amd1-2016 / Cl.8.2 of IEC 62053-21-2003 Amd1-2016 / IEC 62053-21-2020 / Cl.8.2 of IEC 62053-22- 2003 Amd1-2016 / IEC 62053-22-2020 / IEC 62055-31-2005 Amd1-2016 / Cl.5.6.2 of CBIP No 325 -2015 / Cl.4.6.2 of IS 15884-2010 / Cl.6.12 of IS 16444(Part 1)-2015 ,Amd 1-2 / IS 16444(part2

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1517	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Limits of Error due to other influence quantities/ Test of influence quantities : Voltage variation	Cl.11.11 of IS 13010-2002 Amd1-2 / Cl.12.11 of IS 13779-1999 Amd1-5 / IS 13779-2020 / Cl.12.10 of IS 14697-1999 Amd1- 4 / IS 14697-2021 / IEC 62052-11-2003 Amd1-2016 / IEC 62052-11-2020 / IEC 62053-11-2003 Amd1-2016 / Cl.8.2 of IEC 62053-21-2003 Amd1-2016 / IEC 62053-21-2020 / Cl.8.2 of IEC 62053-22- 2003 Amd1-2016 / IEC 62053-22-2020 / IEC 62055-31-2005 Amd1-2016 / Cl.5.6.2 of CBIP No 325 -2015 / Cl.4.6.2 of IS 15884-2010 / Cl.6.12 of IS 16444(Part 1)-2015 ,Amd1-2 / IS16444(part2) 2017,
1518	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Reversed phase sequence	Cl.11.11 of IS 13010-2002 Amd1-2 / Cl.12.11 of IS 13779-1999 Amd1-5 / IS 13779-2020 / Cl.12.10 of IS 14697-1999 Amd1-4 / IS 14697-2021 / IEC 62052-11-2003 Amd1-2016 / IEC 62052-11-2020 / IEC 62053-11-2003 Amd1-2016 / Cl.8.2 of IEC 62053-21-2003 Amd1-2016 / IEC 62053-21-2020 / Cl.8.2 of IEC 62053-22- 2003 Amd1-2016 / IEC 62053-22-2020 / IEC 62055-31-2005 Amd1-2016 / Cl.5.6.2 of CBIP No 325 -2015 / Cl.4.6.2 of IS 15884-2010 / Cl.6.12 of IS 16444(Part 1)-2015 ,Amd1-2 / IS 1644(part2) 2017, A

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1519	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Test of No-load condition / Running with no load	IS 13010: 2002, Amd1- 2 cl.11.3, IS 13779: 1999,cl.12.13, Amd1-5, IS 13779:2020, IS 14697: 1999 ,cl.12.12, Amd 1-4, IS 14697:2021, IEC: 62052-11, 2003,Amd1, IEC 62052-11:2020, IEC 62053-11, 2003,Amd1 cl.8.3.1, IEC 62053-21,cl.8.3.2,2003,Amd1, IEC 62053-21:2020, IEC: 62053-22, 2003,cl.8.3.2,Amd1,IEC 62053-22:2020, IEC: 62053-23 ,2003,Amd1,cl.8.3.2, IEC 62053-23:2020, IEC: 62053-24 ,2014,Amd1cl.8.4.3 IEC: 62055-31 ,2005,Amd1cl.8 CBIP No: 325:2015 cl.5.6.4 IS 15884 :2010 cl.5.6.3 IS 16444(part 1&2
1520	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Test of starting condition / Initial start up of the meter	IS 13010: 2002, Amd1-2,cl.11.4, IS 13779:1999,cl.12.14, Amd1-5, IS 13779:2020, IS 14697:1999 cl.12.13, Amd:1-4 IS 14697:2021,IEC: 62052-11, 2003,Amd1, IEC 62052-11:2020, IEC: 62053-11, 2003,Amd1,cl.8.3.2, IEC: 62053-21,cl.8.3.1,8.3.3,2003,Amd1, IEC 62053-21:2020, IEC: 62053-22, 2003,cl.8.3.1,8.3.3,Amd1,IEC 62053-22:2020, IEC: 62053-23 ,2003,Amd1cl.8.3.1, 8.3.3, IEC 62053-23:2020, IEC: 62053-24 ,2014,Amd1cl.8.4.2,8.4.4 IEC: 62055-31 ,2005,Amd1cl.8 CBIP No: 325:2015 cl.5.6.5 IS16444(part1&2)-2019

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1521	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2) CBIP guide on Static Energy meter- No.325	DC & Even harmonics in AC current circuit / DC component in the AC current circuit	Cl.12.11 of IS 13779-1999 Amd1- 5 / Cl.8.2 of IS 13779-2020 / IEC 62052-11-2003,Amd1 / IEC 62052--2020 / IEC 62053-21-2003,Amd1 / Cl.8.3 of IEC 62053-21-2020 / IEC 62053-24-2014,Amd1 / Cl.8.3 of IEC 62055-31-2005,Amd1 / Cl.5.6.2, 4.6.3 of CBIP No: 325-2015 / Cl.4.6.2 IS 15884-2010/ Cl.6.12 of IS S16444(part1&2)-2019
1522	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2	Stray d.c magnetic induction of external origin/ continuous magnetic induction of external origin (67mT)	Cl.11.11 of IS 13010-2002 Amd1-2 / Cl.12.11 of IS 13779-1999 Amd1-5 / IS 13779-2020 / Cl.12.10 of IS 14697-1999 Amd1-4 / IS 14697-2021 / IEC 62052-11-2003 Amd1-2016 / IEC 62052-11-2020 / IEC 62053-11-2003 Amd1-2016 / Cl.8.2 of IEC 62053-21-2003 Amd1-2016 / IEC 62053-21-2020 / Cl.8.2 of IEC 62053-22- 2003 Amd1-2016 / IEC 62053-22-2020 / IEC 62055-31-2005 Amd1-2016 / Cl.5.6.2 of CBIP No 325 -2015 / Cl.4.6.2 of IS 15884-2010 / Cl.6.12 of S16444(part1&2)-2019
1523	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2	Waveform:10% of 3rd Harmonic in current	IS 13010: 2002, cl.11.11 ,Amd1-2,IS 13779: 1999 cl.12.11,Amd1-5,IS 13779:2020, IS 14697: 1999 cl.12.10,Amd 1-4, IS 14697:2020,IS 15884 :2010,cl.4.6.2 IS 16444(Part 1):2015,Amd1 cl.6.12, IS 16444(Part 2):2017 cl.6.12, CBIP No 325, cl.5.6.2, 4.6.3-2015

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1524	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Dry heat test	IS 13779: 1999, Amd1-5 cl.12.6.1, IS 13779:2020, IS 14697: 1999, Amd:1-4 cl.12.6.1,IS 14697:2021, IEC 62052-11: 2003, Amd1 cl.6.3.1, IEC 62052-11:2020, IEC 62053-21: 2003, Amd1,IEC 62053-21:2020,IEC 62053-22: 2003, Amd1,IEC 62053-22:2020, IEC 62053-23 :2003, ,Amd1 cl.6, IEC 62053-23:2020, IEC: 62053-24 :2014,Amd1 cl.6 IEC: 62055-31 :2005,Amd1 Cl.6.0 CBIP No: 325:2015 cl.5.3.1 IS 15884 :2010,cl.5.3.1 IS 16444(Part 1):2015, Amd1 cl.6.9 IS 16444(Part 2): 2017 cl.6.9 Amd1-2019
1525	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S	Continuous abnormal d.c magnetic induction of external origin(0.2/0.27T)	IS 13779: 1999 cl.12.11,Amd1-5,IS 13779:2020, IS 14697: 1999 cl.12.10, Amd 1- 4,IS 14697:2021, CBIP No: 325:2015 cl.5.6.2,4.6.3 IS 15884 :2010,cl.4.6.2, IS 16444(Part 1):2015 cl.6.12,Amd1-2, IS 16444(Part 2):2017 cl.6.12 Amd1-2019
1526	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Damp heat cyclic test	IS 13779: 1999, Amd1-5 cl.12.6.3,IS 13779:2020, IS 14697: 1999, Amd1-4 cl.12.6.3,IS 14697:2021, IEC 62052-11: 2003, Amd1 cl.6.3.3IEC 62052-11:2020, IEC 62053-21: 2003, Amd1IEC 62053-21:2020, IEC 62053-22: 2003, Amd1, IEC 62053-22:2020, IEC 62053-23 :2003, ,Amd1 cl.6, IEC 62053-23:2020, IEC: 62053-24 :2014,Amd1 cl.6 IEC: 62055-31 :2005,Amd1 Cl.6.0 CBIP No: 325:2015 cl.5.3.3 IS 15884 :2010,cl.5.3.3 IS 16444(Part 1):2015, Amd1 cl.6.9 IS 16444(Part 2):2017 Amd1 cl.6.9-2019

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1527	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Cold test	IS 13779: 1999, Amd1-5 cl.12.6.2,IS 13779:2020, IS 14697: 1999, Amd:1 -4 cl.12.6.2,IS 14697:2021, IEC 62052-11: 2003, Amd1 cl.6.3.2, IEC 62052-11:2020,IEC 62053-21: 2003, Amd1, IEC 62053-21:2020, IEC 62053-22: 2003, Amd1,IEC 62053-22:2020, IEC 62053-23 :2003, ,Amd1 cl.6, IEC 62053-23:2020, IEC: 62053-24 :2014,Amd1 cl.6 IEC: 62055-31 :2005, Cl.6.0 CBIP No : 325:2015 cl.5.3.2 IS 15884 :2010,cl5.3.2 IS 16444(Part 1):2015, Amd1 cl.6.9 IS 16444(Part 2):2017 cl.6.9 - Amd1 -2019
1528	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Immunity to Earth/phase fault/Abnormal voltage condition	IS 13779: 1999, Amd1-5 cl.12.8,IS 13779:2020, IS 14697: 1999, Amd 1-4 cl.12.17,IS 14697:2021,IEC 62052-11: 2003, Amd1 cl.7.4 ,IEC 62052-11:2020,IEC 62053-24 :2014,Amd1, IEC 62055-31 :2005,Amd1 cl.7.2.3, CBIP No: 325:2015, cl.4.4.7, IS 16444(Part 1):2015 Amd1-2 cl.6.10.7, IS 16444(Part 2):2017 cl.6.10.7-Amd1 -2019
1529	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 AC watthour meters,class 0.5,1 & 2	Insulation Resistance test	IS 13010:2002, Amd1& 2,cl.11.2, IS 13779:1999 Amd1 to 5 cl.12.7.6.4,IS 13779:2020, IS 14697: 1999 Amd1 to 4 cl.12.7.6.4, IS 14697:2021,IS 15884 : cl.5.4.6.4-2010
1530	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Direct Connected Static Prepaid meters for active energy Cl. 1.0 and Cl. 2.0	Requirement of Time keeping	Cl. No. Annex D of IS 15884 :2010 / IEC 62055-31 -2005
1531	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 For UC1,UC2 & UC3 a.c.Static Direct Connected Watthour Smart Meter Class 1 and 2; For UC1, UC2 & UC3	Load switching capability	IS 15884:2010 RA:2015 / IS 16444-1:2015 / IEC 62055-31 -2005

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1532	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 For UC1,UC2 & UC3 a.c.Static Direct Connected Watthour Smart Meter Class 1 and 2; For UC1, UC2 & UC3	Short circuit current carrying capacity / Short Time Over Current Test	IS 15884-2010 / IS 16444(Part 1)-2015, Amd 1-2017 / IEC 62052-31-2015 / IEC 62055-31-2005
1533	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 For UC1,UC2 & UC3 a.c.Static Direct Connected Watthour Smart Meter Class 1 and 2; For UC1, UC2 & UC3	Electrical Endurance	IS 15884:2010 RA:2015 / IS 16444-1:2015 / IEC 62055-31,2005
1534	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 Static payment meters for active energy (Classes 1 & 2)	Dielectric strength	Cl.G-8 of IS 15884-2010 / Cl.8 of IEC 62055-31-2005
1535	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 Static payment meters for active energy (Classes 1 & 2)	Functional requirements	Cl.6 Annex A of IS 15884 -2010 / Cl.9 of IEC 62055-31-2005
1536	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 Static payment meters for active energy (Classes 1 & 2)	Line to load voltage surge test	Cl.G4 of IS 15884 -2010 / IS 16444(Part 1)-2015 Amd1 Amd 2-2019-2017 / IEC 62055-31-2005
1537	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 Static payment meters for active energy (Classes 1 & 2)	Normal operation	Cl. No. Annex G2 of IS 15884-2010 / IS 16444(Part 1)-2015, Amd 1 / IEC 62055-31-2005
1538	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 Static payment meters for active energy (Classes 1 & 2)	Test of consumption based charging functions	Cl.5.9 of IS 15884-2010 / IEC 62055-31-2005
1539	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 Static payment meters for active energy (Classes 1 & 2)	Test of Time -based charging functions	Cl.5.10 of IS 15884-2010 / IEC 62055-31-2005
1540	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 For UC1,UC2 & UC3 a.c.Static Direct Connected Watthour Smart Meter Class 1 and 2; For UC1, UC2 & UC3	Fault current making capacity Short circuit current carrying capacity	IS 15884:2010 RA:2015 / IS 16444-1:2015 / IEC 62055-31-2005
1541	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 Static payment meters for active energy (Classes 1 & 2)	Minimum switched current	Cl. No. Annex G7 of IS 15884-2010 / IS 16444(Part 1)-2015, Amd 1 / IEC 62055-31-2005
1542	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S	Tamper & fraud monitoring	CBIP No. 325-2015 / Cl. No. G-10 of IS 14697-1999, Amd 1 -4 / IS 14697-2021

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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
1543	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S	Phase of auxiliary supply by 120°	Cl.12.10 of IS 14697-1999 Amd 1 to 4 / Cl.6.12 of IS 14697-2021 / IS 16444(Part 2)-2017 Amd1-2019
1544	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	General & constructional requirements / General requirements	IEC 62053-22-2003, Amd 1 / IEC 62053-23-2003, Amd 1 / Cl.No.5 of IEC 62053-24-2014, Amd 1 / IEC 62055-31-2005, Amd 1 / Cl. No. 4.1, 4.2 of CBIP No. 325-2015 / Cl. No. 4.0, 4.1, 4.2, 4.3 of IS 15884-2010 / Cl.6.0, 10.3 of IS 16444(Part 1)-2015, Amd1 / Cl .No. 6 of IS 16444(Part 2)-2017, Amd1 -2019
1545	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Influence of self heating	Cl.7.3 of IEC 62053-21-2020 / IEC 62053-22-2003, Amd 1 / Cl.7.3 of IEC 62053-22-2020 / IEC 62053-23-2003 / Cl.7.4 of IEC 62053-23-2020 / IEC 62053-24-2014,Amd1 / Cl. 7.6 of IEC 62055-31-2005,Amd1 / Cl.5.4.4 of CBIP No: 325-2015 / Cl. No. 5.4.4 of IS 15884-2010 / IS 16444(Part 2)-2017 Amd1 -2019

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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
1546	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Short time overcurrent Test Effect of Short time overcurrent	IEC 62053-21-2020 Cl. 7.2 of IEC 62053-22-2003 Amd1 / Cl. 7.2 of IEC 62053-22-2020 / IEC 62053-23-2003Amd1 / Cl.7.3 IEC 62053-23-2020 / IEC 62053-24-2014,Amd1 / IEC 62055-31-2005,Amd1 / Cl.5.4.3 of CBIP No. 325-2015 / Cl.5.4.3 of IS 15884-2010 / IS 16444 (part 1) 2015 Amd1&2 / IS 16444(part2)-2017, Amd1-2019
1547	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static watthour meters for active energy (classes 0.2S & 0.5 S) AC static watthour meters class 1.0 & 2.0	Short time current test	IEC 62053-22-2020 / IEC 62052-11-2020 / IS 14697-2021 / IS 13779-2020 / IEC 62053-21-2020 / IEC 62052-11
1548	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour meters,class 0.5,1 & 2 Electromechanical meters for active energy (Classes 0.5,1 & 2)	Test for adjustment of range	Cl.11.7 of IS 13010- 2002 Amd1 Amd 2 / Cl.9 of IEC 62053-11-2003 Amd1-2016
1549	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2)	Mechanical load of register / Mechanical load of either single or multi-rate register	Cl.11.11 of IS 13010-2002, Amd 1 & 2 / IEC 62053-11-2003
1550	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour meters,class 0.5,1 & 2 Metering Equipment Electromechanical meters for active energy (Classes 0.5,1 & 2)	Oblique suspension	Cl.11.7 of IS 13010- 2002 Amd1 Amd 2 / Cl.9 of IEC 62053-11:2003 Amd1-2016
1551	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour meters,class 0.5,1 & 2	Magnetic field of an accessory	Cl.11.11 of IS 13010 Amd 1 & 2-2002
1552	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour meters,class 0.5,1 & 2	Running at low load	Cl.11.16 of IS 13010, Amd1 & 2-2002
1553	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour meters,class 0.5,1 & 2	Sustained accuracy test	Cl.11.8 of IS 13010-2002 Amd1 Amd 2

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1554	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour meters,class 0.5,1 & 2	Test for low load and Inductive load adjustment	Cl.11.15 of IS 13010, Amd1 & 2-2002
1555	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour meters,class 0.5,1 & 2	Visual examination for material used in the dial	Cl.11.8 of IS 13010-2002 Amd1 Amd 2-2002
1556	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC watthour meters,class 0.5,1 & 2AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2	Test on limits of error / Limits of error due to variation of current	Cl.11.5 of IS 13010- 2002 Amd1-2 / Cl.11.1 of IS 13779-1999 Amd1- 5 / IS 13779-2020 / Cl.11.1 of IS 14697-1999 Amd 1- 4 / Cl.11.1 of IS 14697-2021 / Cl.4.6.1 of IS 15884 -2010 / Cl.6.12 of IS 16444(Part 1)-2015 / Cl.6.12 of IS 16444(Part 2)-2017 / Cl. 5.6.8,5.2.3,5.2.2 of CBIP No 325-2015
1557	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC wattour meters class 0.5, 1.0 & 2.0 AC Static Electrical Energy Meters	Short time current test	IS 13010-2002 / IEC 62053-11-2016 / IEC 62052-11-2020 / (Withdrawn Standard) CBIP TR 88
1558	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter	Compliance test: 1.0 Conformance to DLMS/COSEM (IEC 62056) 2.0 Parameter verification: 3.0 SNRM/UA 4.0 Object list download 5.0 Association properties 6.0 Security: (a) Lowest Level Security Secret (b) Low Level Security (LLS) Secret (c) High Level Security (HLS) Secret Parameter list: 7.0 (a) Instantaneous Parameters 7.0 (b) Snap Shot of Instantaneous Parameters 7.0 (c) Scaler Profile 8.0 Block load profile parameters 9.0 Selective access by Range for Block load profile 10.0 Daily load profil	Cl No 4 to 28 of IS 15959 (Part 3) -2017
1559	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter	Conformance test	IS / IEC 6205(DLMS / COSEM)-2005

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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
1560	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter	Conformance test	IS / IEC 62056 (DLMS / COSEM)-2005
1561	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter - Smart Meter Category D1 & D2	10.0 Daily load profile parameters 11.0 Selective access by Range for Daily load profile 12.0 ToU setting 13.0 Billing profile parameters 14.0 Billing Period 15.0 Billing Period Counter 16.0 Selective access by Entry for Billing profile	Cl No 4 to 24 of IS 15959 (Part 2) -2016
1562	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter - Smart Meter Category D1 & D2	17.0 Event code and Event logging : (a) Indian Event Reference Table – Voltage Related (b) Indian Event Reference Table – Current Related (c) Indian Event Reference Table – Power Related (d) Indian Event Reference Table – Transaction Related (e) Indian Event Reference Table – Other (f) Indian Event Reference Table – Non Roll Over (g) Indian Event Reference Table – Control 18.0 Selective access by Entry for Event Log Profile	Cl No 4 to 24 of IS 15959 (Part 2) -2016
1563	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter - Static Energy Meter Category A, B, C1, C2 & C3	2.9.2 Block load profile parameters 2.9.3 Selective access by Range for Block load profile 2.9.4 Daily load profile parameters 2.9.5 Selective access by Range for Daily load profile 2.9.6 Billing profile parameters 2.9.7 Selective access by Entry for Billing profile 2.10 General Purpose parameters : 2.10.1 Name Plate Details 2.10.2 Programmable Parameters	Cl No 4 to 14 Annex A to L of IS 15959 (Part 1) -2011

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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
1564	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter - Static Energy Meter Category A, B, C1, C2 & C3	Compliance test: 1.0 Conformance to DLMS / COSEM (IEC 62056) 2.0 Parameter verification: 2.1 SNRM/UA 2.2 Object list download 2.3 Association properties 2.4 Simultaneous operation 2.5 Security: 2.5.1 Lowest Level Security Secret 2.5.2 Low Level Security (LLS) Secret 2.5.3 High Level Security (HLS) Secret 2.6 ToU setting 2.7 Billing Period 2.8 Billing Period Counter 2.9 Parameter list: 2.9.1 (a) Instantaneous Parameters 2.9.1 (b) Snap Shot of Instantaneous Parameters 2.9.1 (c) Scaler Profile	Cl No 4 to 14 Annex A to L of IS 15959 (Part 1) -2011
1565	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter - Static Energy meter Category A, B, C1, C2 & C3	2.11 Event code and Event logging : 2.11.1 Indian Event Reference Table – Voltage Related 2.11.2 Indian Event Reference Table – Current Related 2.11.3 Indian Event Reference Table – Power Related 2.11.4 Indian Event Reference Table – Transaction Related 2.11.5 Indian Event Reference Table – Other 2.11.6 Indian Event Reference Table – Non Roll Over 2.11.7 Indian Event Reference Table – Control 2.12 Selective access by Entry for Event Log Profile	Cl No 4 to 14 Annex A to L of IS 15959 (Part 1) -2011
1566	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter- Smart Meter Category D1 & D2	19.0 General Purpose parameters : (a) Name Plate Details (b) Programmable Parameters 20.0 Test for Smart Meter Functional Requirements 21.0 Tests for Smart Meter communicability (a) Association (b) Data read (c) Profile read (d)Selective Programmability (e) Reporting of events (f) Connect/ Disconnect (g) Firmware upgrade	Cl No 4 to 24 of IS 15959 (Part 2) -2016

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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
1567	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter- Smart Meter Category D1 & D2	Compliance test: 1.0 Conformance to DLMS/COSEM (IEC 62056) 2.0 Parameter verification: 3.0 SNRM/UA 4.0 Object list download 5.0 Association properties 6.0 Security: (a) Lowest Level Security Secret (b) Low Level Security (LLS) Secret (c) High Level Security (HLS) Secret Parameter list: 7.0 (a) Instantaneous Parameters 7.0 (b) Snap Shot of Instantaneous Parameters 7.0 (c) Scaler Profile 8.0 Block load profile parameters 9.0 Selective access by Range for Block load profile 10.0 Daily load profil	Cl No 4 to 24 of IS 15959 (Part 2) -2016
1568	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter- Smart Meter Category D3 & D4	10.0 Daily load profile parameters 11.0 Selective access by Range for Daily load profile 12.0 ToU setting 13.0 Billing profile parameters 14.0 Billing Period 15.0 Billing Period Counter 16.0 Selective access by Entry for Billing profile	Cl No 4 to 28 of IS 15959 (Part 3) -2017
1569	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter- Smart Meter Category D3 & D4	17.0 Event code and Event logging : (a) Indian Event Reference Table – Voltage Related (b) Indian Event Reference Table – Current Related (c) Indian Event Reference Table – Power Related (d) Indian Event Reference Table – Transaction Related (e) Indian Event Reference Table – Other (f) Indian Event Reference Table – Non Roll Over 18.0 Selective access by Entry for Event Log Profile	Cl No 4 to 28 of IS 15959 (Part 3) -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
1570	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Data Exchange for Electricity Meter- Smart Meter Category D3 & D4	19.0 General Purpose parameters : (a) Name Plate Details (b) Programmable Parameters 20.0 Tests for Smart Meter Functional Requirements 21.0 Tests for Smart Meter communicability a) Association (b) Data read (c) Profile read (d)Selective Programmability (e) Reporting of events (g) Firmware upgrade	Cl No 4 to 28 of IS 15959 (Part 3) -2017
1571	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Continuous magnetic induction of external origin	IEC 62052-11-2020 / IEC 62053-21-2020 / IEC62053-22-2020 / IEC 62053-24-2020 / IEC 62052-11-2003 Amd1-2016 / Cl.8.2 of IEC 62053-21- 2003 Amd1-2016 / Cl.8.2 of IEC 62053-22- 2003 Amd1-2016 / Cl.8.2 of IEC 62053-23-2003 Amd1-2016 / Cl.8.3 of IEC 62053-24 -2014 Amd1-2016 / Cl.8 of IEC 62055-31-2005
1572	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Metering Equipment-general requirements Electromechanical meters for active energy (Classes 0.5,1 & 2) Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S)	AC High voltage test / Dielectric Test	IEC 62052-11:2020, IEC 62053-21:2020,IEC62053-22:2020, IEC 62053-24:2020,IEC: 62052-11, 2003, Amd1 cl.7.3.3, IEC 62052-31;2015 IEC: 62053-11, 2003, Amd1 cl.7.4 IEC: 62053-21 cl.7.4,2003,Amd1 IEC: 62053-22, 2003,Amd1,cl.7.4, CBIP No: 325:cl.5.4.6.3-2015

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1573	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Influence of supply voltage:	IS 13779:2020, IS 14697:2021,IS 13779: 1999,Amd1- 5 cl.12.7.2, IS 14697: 1999 ,Amd1-4 cl.12.7.2 IEC 62052-11:2020, IEC 62053-21:2020,IEC62053-22:2020, IEC 62053-24:2020, IEC: 62052-11: 2003,Amd1 cl.7.1 IEC: 62052-21:2003,Amd1 IEC: 62055-31 : 2005, Amd1 cl.7.2 CBIP No: 325:2015 cl.5.4.2 IS 15884:2010 cl.4.4.2 & ,5.4.2 IS 16444(Part 1):2015,Amd1 cl.6.10.2 IS 16444(Part 2):2017 cl.6.10.2 Amd1 -2019
1574	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for active energy (Classes 0.2S & 0.5S) AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S	Auxiliary voltage ±15% / operation of accessories	Cl.12.10 of IS 14697-2021 / IS 14697-1999, Amd 1-4 / Cl.5.6.2, 4.6.3 of CBIP No: 325-2015 / Cl.4.6.2 of IS 15884-2010 / Cl 6.12 of IS 16444(Part 1)-2015, Amd 1-2 / Cl.6.12 of IS 16444 (Part 2)-2017 Amd1 / Cl.8.2 of IEC 62053-22-2020 / IEC 62053-21-2003, Amd1 / IEC 62053-22-2003, Amd1 / IEC 62053-23-2003, Amd 1 / IEC 62053-24-2014, Amd1 / IEC 62055-31-2005 / IEC 62053-11, Amd1: 2016
1575	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Harmonic component in current & voltage circuits	Cl.8.2 of IEC 62052-11-2020 / IEC 62053-21-2020 / IEC62053-22-2020 / IEC 62053-24-2020 / IEC 62052-11-2003,Amd1 / IEC 62053-21-2003,Amd1 / Cl.8.2 of IEC 62053-22-2003,Amd1/ Cl.8.3 of IEC 62053-24-2014,Amd1 / Cl.8 IEC 62055-31-2005
1576	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Odd harmonics in ac current circuit	Cl.8.2 of IEC 62052-11-2020 / IEC 62053-21-2020 / IEC 62053-24-2020 / IEC 62052-11-2003,Amd1 / IEC 62053-21-2003,Amd1 / Cl. 8 of IEC 62053-24-2014,Amd1 / IEC 62055-31-2005

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1577	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters-AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Surge immunity test	Cl.12.9.5 of IS 13779-2020 / Cl.12.8.5 of IS 14697-2021 / Cl.7.5.6 of IEC: 62052-11- 2003 Amd1-2016 / IEC 62052-11-2020 / IEC 62052-31-2015 / IEC 62053-21-2003 Amd1-2016 / IEC: 62053-22 2003 Amd1-2016 / IEC 62053-23-2003 Amd1-2016 / IEC 62053-24 -2014 Amd1-2016 / IEC 62055-31 -2005 / CBIP No: 325-2015 / Cl.5.5.6 Annex G4 of IS 15884 -2010 / Cl.11 of IS 16444(Part 1)-2015 Amd1 -2019 / Cl.6.11 of IS 16444(Part 2)-2017 Amd1-
1578	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters-AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S	Radio Interference measurement: b) Radiated Emission	Cl.12.9.5 of IS 13779-1999 Amd-1 to Amd-5 / IS 13779-2020 / Cl.12.8.5 of IS 14697-1999 Amd 1 to Amd 4 / IS 14697-2021 / Cl.6.11 of IS 16444(part 2) -2017 Amd 1 -2019 / Cl.5.5.5 of CBIP 325 -2015
1579	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters-AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Fast Transient burst test	IS 13779: 1999, Amd1-5 cl.12.9.4, IS 13779:2020, IS 14697: 1999, Amd 1-4,12.8.4,IS 14697:2021, IEC 62052-11: 2003, Amd1 cl.7.5.4, IEC 62052-11:2020, IEC: 62053-21: 2003, Amd1, IEC 62053-21:2020, IEC: 62053-22: 2003, Amd1 cl.8.2 , IEC 62053-22;2020,IEC: 62053-23 :2003, ,Amd1 cl.8.2,IEC 62053-23:2020,(withdrawn) IEC: 62053-24 :2014,Amd1 cl.8.3 IEC: 62055-31 :2005 cl.7.8.4, CBIP No: 325:2015 cl.5.5.3 IS 15884 :2010,cl.5.5.4 IS 16444(Part 1):2015 cl.6.11,Amd 1-2/ Cl.6.1 of IS 16444(Part 2)2017 Amd

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1580	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters-AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Radio Interference measurement / Radio interference suppression a) Conducted Emission	IS 13779: 1999 ,Amd1 to 5 cl.12.9.5,IS 13779:2020, IS 14697: 1999 , Amd 1 to 4 cl.12.8.5, IS 14697:2021, IEC: 62052-11: 2003,Amd1 cl.7.5.8, IEC 62052-11:2020, IEC: 62053-21: 2003, Amd1, IEC 62053-21:2020, IEC: 62053-22: 2003, Amd1, IEC 62053-22:2020, IEC: 62053-23 :2003, ,Amd1, IEC 62053-23:2020, IEC: 62053-24 :2014,Amd1 IEC: 62055-31 :2005, CBIP No: 325:2015 cl.5.5.5, IS 15884 :2010,cl.5.5.5 ,IS 16444(Part 1):2015 cl.6.11,Amd1-2, IS 16444(Part 2): cl.6.11: 2017,Amd1-2019
1581	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters-AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Radio Interference measurement / Radio interference suppression a) Conducted Emission	IS 13779: 1999 ,Amd1 to 5 cl.12.9.5,IS 13779:2020, IS 14697: 1999 , Amd 1 to 4 cl.12.8.5, IS 14697:2021, IEC: 62052-11: 2003,Amd1 cl.7.5.8, IEC 62052-11:2020, IEC: 62053-21: 2003, Amd1, IEC 62053-21:2020, IEC: 62053-22: 2003, Amd1, IEC 62053-22:2020, IEC: 62053-23 :2003, ,Amd1, IEC 62053-23:2020, IEC: 62053-24 :2014,Amd1 IEC: 62055-31 :2005, CBIP No: 325:2015 cl.5.5.5, IS 15884 :2010,cl.5.5.5 ,IS 16444(Part 1):2015 cl.6.11,Amd1, IS 16444(Part 2):2017cl.6.11-Amd 2 -2017

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1582	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity meters-AC Static Watthour Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Test of immunity to Electromagnetic HF/RF fields	IS 16444 (part 1)-2015 Amd-1-2017 Amd-2-2019 / IS 15884-2010 / Cl.12.9.3 of IS 13779-1999 Amd-1 to 5 / IS 13779-2020 / IS 14697- 1999 Amd-Cl.12.8.3 of 1 to 4 / IS 14697-2021 / Cl.6.11 of IS 16444(Part 2)- 2017 Amd-1-2019
1583	ELECTRICAL- EMI / EMC TEST FACILITY	Lamps and Luminaires	Test for Emission (Radiated and Conducted) of Radio Frequency Disturbances	IS 16103 (Part 2): 2012 Cl 13 / IEC 62717,Cl 13
1584	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Assessment of voltage changes, voltage fluctuations and flicker	Cl 4 of IEC 61000-3-3:2013 IS 14700-3-3
1585	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Assessment of voltage changes, voltage fluctuations and flicker	Cl 4 of IEC 61000-3-3:2013 IS 14700-3-3
1586	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Conducted Disturbance voltage , Upto 240V	Cl 4.3.1 of CISPR-15: 2018 IS 6873 Part 5
1587	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Conducted Disturbance voltage , Upto 240V	Cl 4.3.1 of CISPR-15: 2018 IS 6873 Part 5
1588	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Harmonic current Measurement	Cl 6.2 of IEC 61000-3-2 : 2018 IS 14700-3-2 :
1589	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Harmonic current Measurement	Cl 6.2 of IEC 61000-3-2 : 2018 IS 14700-3-2 :
1590	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Input Voltage	Cl 7 of IEC 61000-4-5:2017 IS 14700-4-5
1591	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Radiated field Disturbance Upto 88dB	Cl 4.5.2 of CISPR-15: 2018 IS 6873 Part 5
1592	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Radiated field Disturbance Upto 88dB	Cl 4.5.2 of CISPR-15:2018 IS 6873 Part 5
1593	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Radiated field Disturbance (CDN Method) Upto 88dB	Cl 4.5.3 of CISPR-15 :2018 IS 6873 Part 5
1594	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Radiated field Disturbance (CDN Method) Upto 88dB	Cl 4.5.3 of CISPR-15: 2018 IS 6873 Part 5
1595	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Surge immunity test	Cl 6 of IEC 61000-4-5:2017 IS 14700-4-5

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1596	ELECTRICAL- EMI / EMC TEST FACILITY	LED Lamps and Luminaire, Power conditioning Unit.	Verification of Test Instrumentation - Test condition	Cl 6 of IEC 61000-4-5:2017 IS 14700-4-5
1597	ELECTRICAL- EMI / EMC TEST FACILITY	Meters Class 1 and 2 AC static Transformer operated Watthour and VAR- Hour Meters, Class 0.2S, 0.5S & 1.0S AC direct connected Static prepayment Meters for Active Energy Class 1 and 2 a.c.Static Direct Connected Watthour Smart MeterClass 1 & 2 Electricity meters- a.c.Static Transformer operated Watthour and Var – Hour Smart Meters Class 0.2S,0.5S and 1.0S Static meters for active energy (Classes 1 & 2) Static meters for active energy (Classes 0.2S & 0.5S) Static meters for reactive energy(Classes 2 & 3) Static meters for reactive energy at fundamental frequency (Classes 0.5 S , 1 S & 1) Static payment meters for active energy (Classes 1 & 2)	Electro static discharges test	IS 13779:2020, IS 14697:2021,IS 13779: 1999, Amd1 to 5 cl.12.9.2 IS 14697: 1999, Amd 1 to 4 cl.12.8.2,IEC 62052-11:2020, IEC 62053-21:2020,IEC62053-22:2 020, IEC 62053-24:2020, IEC: 62052-11: 2003, Amd1 cl.7.5.2 IEC: 62053-21: 2003, Amd1 IEC: 62053-22: 2003, Amd1 IEC: 62053-23 :2003, ,Amd1 IEC: 62053-24 :2014,Amd1 IEC: 62055-31 :2005, cl.7.8.2 CBIP Publication No: 325:2015 cl.5.5.2 IS 15884 :2010,cl.5.5.2 IS 16444(Part 1):2015, Amd1 cl.6.11 IS 16444(Part 2): -2017
1598	ELECTRICAL- EMI / EMC TEST FACILITY	Relay ans Protection equipment	Slow damped oscillatory Immunity Test	IEC 61000-4-18:2019 / IEC 60255-26::2013
1599	ELECTRICAL- EMI / EMC TEST FACILITY	SELF BALLASTED LED LAMPS	Emission of RF disturbance	is 16102-2 cl 8.4
1600	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR ASSEMBLIES	8.2 Degree of protection provided by an ASSEMBLY enclosure 10.3 Degree of protection of ASSEMBLIES 8.101 Internal separation of PSC-ASSEMBLIES 8.2.101 PSC-ASSEMBLY with withdrawable parts 9.1.2 Power-frequency withstand voltage Electrical tests / No load run tests / Funct	cl 8.2 , 10.3, 8.101,8.2.101, 9.1.2 of IS / IEC 61439- PART 1 : 2011 IS / IEC 61439 - PART 2 : 2011, RA 2018 IS / IEC 61439 : PART 5 : 2014 IS / IEC 61439 : PART 6 : 2012 IEC 61439-1, Ed.3.0:2020 IEC 61439-2; Ed.3.0 :2020
1601	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Actuators	Multi-frequency test	IEEE 382
1602	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Actuators	Seismic simulation test and Vibration ageing test	IEEE 382

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1603	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	AUTOMATIC POWER FACTOR CORRECTION (APFC) PANELS FOR VOLTAGE RATING UP TO AND INCLUDING 1 000 V	5.14 Verification of the Degree of Protection of Enclosure, test ranging from IP 1X to IP 6X tests test ranging from IP X1 to IP X9. Electrical tests / No load run tests / Functional / Performance Tests and Drawings / Dimensional verifications	cl 5.14 IS 16636 :2017
1604	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Battery	Test for capacity	IS 1652:2013, RA:2019 / IS 1651:2013, RA
1605	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Battery	Vibration Resistance Test/Vibration test	Cl. 7.16 of IS 7624 :1990, RA 2018 / Cl. 7.11.2 of IS 13568 :1992, RA
1606	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Cabinets & racks	Resonance search test & Seismic test	IEC 61587-2
1607	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Capacitor	Vibration test	Cl. 2.11.3 of IS 2993 : 1998 IEC 252:1993, RA2018 / Cl. 5.14.3 of IEC 61071:2017 / Cl.5.14.3 of IEC 61881-1:2010 / Cl.8.11 of IEC 62146-1:2013 / Cl. 5.11.3 of IEC 60252-1
1608	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Chassis, sub-racks & plug-in units	Resonance search test & Seismic test	IEC 61587-5
1609	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical / electronic equipment, such as Substation equipment, Low voltage and high voltage indoor / outdoor switchgear and controlgears, Circuit breakers, Relay, Electrical and Electronic Instruments, Control panels, Relay Panels, Distribution boards, RMU panels, Transformers, Bus ducts, Battery charger, Telecommunication equipment	Chatter monitoring / monitoring change of status of circuit	IEC 62271-1:2017+AMD1:2021 / IEC 62271-100:2021 / IEC 61439-1:2020 / IEC 61439-6:2012 / IEC 60255-21-1:1988 / IEC 60255-21-2:1988 / IEC 60255-21-3:1993 / IEC TR 62271-300: 2006 / IEC TS 62271-210: 2013 / IEC 62271-207:2012 / (Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344:2020 / IEEE C37.98:2013 / IEEE 693:2018 / ICC-ES AC156 : 2010 (Editorially revised May 2015) / IEC 60068 -3 -3: 2019 / IEC 60068-2-57

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1610	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical / electronic equipment, such as Substation equipment, Low voltage and high voltage indoor / outdoor switchgear and controlgears, Circuit breakers, Relay, Electrical and Electronic Instruments, Control panels, Relay Panels, Distribution boards, RMU panels, Transformers, Bus ducts, Battery charger, Telecommunication equipment	Functional check / Operational check	IEC 62271-1:2017+AMD1:2021 / IEC 62271-100:2021 / IEC 62271-200:2021 / IEC 62271-201:2014 / IEC 62271-203:2011 / IEC 61439-1:2020 / IEC 61439-6:2012 / IEC TR 62271-300:2006 / IEC TS 62271-210:2013 / IEC 62271-207:2012 / (Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344:2020 / IEEE 693:2018 / ICC-ES AC156 : 2010 (Editorially revised May 2015) / IEC 60068 -3 -3: 2019 / IEC 60068-2-57
1611	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical / electronic equipment, such as Substation equipment, Low voltage and high voltage indoor / outdoor switchgear and controlgears, Circuit breakers, Relay, Electrical and Electronic Instruments, Control panels, Relay Panels, Distribution boards, RMU panels, Transformers, Bus ducts, Battery charger, Telecommunication equipment	Insulation resistance test	IEC 61439-1:2020 / IEC 61439-6:2012 / IEC 60947-1:2020 / IEC 60571:2012 / IS 12448, Part 2, Section 3 : 1988, RA:2016 / (Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344:2020 / IEEE 693:2018 / ICC-ES AC156 : 2010 (Editorially revised May 2015) / IEC 60068 -3 -3: 2019 / IEC 60068-2-57
1612	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical / electronic equipment, such as Substation equipment, Low voltage and high voltage indoor / outdoor switchgear and controlgears, Circuit breakers, Relay, Electrical and Electronic Instruments, Control panels, Relay Panels, Distribution boards, RMU panels, Transformers, Bus ducts, Battery charger, Telecommunication equipment	Resistance measurement / Measurement of the resistance of the circuits / contact resistance measurement	IEC 62271-1:2017+AMD1:2021 / IEC 62271-100:2021 / IEC 62271-200:2021 / IEC 62271-201:2014 / IEC 62271-203:2011 / IEC 61439-1:2020 / IEC 61439-6:2012 / IEC TR 62271-300: 2006 / IEC TS 62271-210: 2013 / IEC 62271-207:2012 / (Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344:2020 / IEEE 693:2018 / ICC-ES AC156 : 2010 (Editorially revised May 2015) / IEC 60068 -3 -3: 2019 / IEC 60068-2-57

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1613	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical / electronic equipment, such as Substation equipment, Low voltage and high voltage indoor / outdoor switchgear and controlgears, Circuit breakers, Relay, Electrical and Electronic Instruments, Control panels, Relay Panels, Distribution boards, RMU panels, Transformers, Bus ducts, Battery charger, Telecommunication equipment	Voltage/Current monitoring / Circuit monitoring / Voltage / Current measurement	IEC 62271-1:2017+AMD1:2021 / IEC 62271-100:2021 / IEC 62271-200:2021 / IEC 62271-201:2014 / IEC 62271-203:2011 / IEC 61439-1:2020 / IEC 61439-6:2012 / IEC TR 62271-300: 2006 / IEC TS 62271-210: 2013 / IEC 62271-207:2012 / (Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344:2020 / IEEE 693:2018 / ICC-ES AC156 : 2010 (Editorially revised May 2015) / IEC 60068 -3 -3: 2019 / IEC 60068-2-57
1614	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical / electronic equipment: Substation equipment, Low voltage and high voltage indoor / outdoor switchgear and controlgears, Circuit breakers, Relay, Electrical and Electronic Instruments, Control panels, Relay Panels, Distribution boards, RMU panels, Transformers, Bus ducts, Battery charger, Telecommunication equipment	Dielectric test / High voltage power frequency test / Voltage test as conditional check	IEC 62271-1:2017+AMD1:2021 / IEC 62271-100:2021 / IEC 62271-200:2021 / IEC 62271-201:2014 / IEC 62271-203:2011 / IEC 61439-1:2020 / IEC 61439-6:2012 / IEC 60571:2012 / IEC 60947-1:2020 / (Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344:2020 / IS 12448, Part 2, Section 4 : 1988, RA:2016 / IEEE 693:2018 / ICC-ES AC156 : 2010 (Editorially revised May 2015) / IEC 60068 -3 -3: 2019 / IEC 60068-2-57
1615	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and Electronic equipment, Control and Relay panels and Mechanical components	Resonance search test & Seismic test	ICC-ES AC156 : 2010 (Editorially revised May)

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1616	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures, outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etC	Protection against solid foreign objects indicated by the first characteristic numeral) test ranging from IP 1X to IP 6X tests	CL 13 IEC:60529, Edn 2.2 :2013-08: 2013
1617	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures, Such as outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMV Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly Condulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weatherproof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipt enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Degree of Protection tests for all the electrical equipment enclosures meant for use in dusty and moist areas - which includes the Degree of protection tests for First numeral degree of protection ranging from IP 1X to IP 6X tests and Second numeral degree of protection ranging from IP X1 to IP X9 tests along with IP 51 and IP 54 tests for Energy Metres (Except IP X3 and IP X4 as per Oscillation tube method) Electrical tests / No load run tests / Functional / Performance Tests and Drawing	IS / IEC 60529 2001 IS / IEC 60529 2013 IS / IEC 60947-1 2007 IEC 61439-1 2011 IS 13779 2004 IS 14679 2004 IEC 62052-11 :2003

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1618	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures, Such as outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Tests for protection against access to hazardous parts indicated by the additional letter (Optional) test ranging from A to D	CL 15 IS / IEC 60529 : 2001 :2014
1619	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures, Such as outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Tests for protection against access to hazardous parts indicated by the additional letter (Optional) test ranging from A to D	CL 15 IEC:60529, Edn 2.2 :2013-08: 2013

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1620	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures, Such as outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Tests for protection against access to hazardous parts indicated by the first characteristic numeral test ranging from IP 1X to IP 6X tests	CL 12 IEC:60529, Edn 2.2 :2013-08 :2013
1621	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures, Such as outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Tests for protection against access to hazardous parts indicated by the first characteristic numeral test ranging from IP 1X to IP 6X tests (Except IP X3 and IP X4 as per Oscillation tube method)	CL 12 IS / IEC 60529 : 2001 RA :2014

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1622	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures, Such as outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Tests for protection against solid foreign objects indicated by the first characteristic numeral test ranging from IP 1X to IP 6X tests (Except IP X3 and IP X4 as per Oscillation tube method)	CL 13 IS / IEC 60529 : 2001 RA :2014
1623	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures, Such as outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etC	Tests for protection against solid foreign objects indicated by the first characteristic numeral) test ranging from IP 1X to IP 6X tests	CL 13 IEC:60529, Edn 2.2 :2013-08: 2013

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1624	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures, Such as outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Tests for protection against water indicated by the second characteristic numeral test ranging from IP X1 to IP X9	CL 14 IEC:60529, Edn 2.2 :2013-08: 2013
1625	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures, Such as outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Tests for protection against water indicated by the second characteristic numeral test ranging from IP X1 to IP X9 (Except IP X3 and IP X4 as per Oscillation tube method)	CL 14 IS IEC 60529 : 2001 RA :2014

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1626	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures: Outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMV Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly Condulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weatherproof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipt enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Degree of Protection for electrical equipment enclosures meant for use in dusty and moist areas which includes Degree of protection tests for First numeral degree of protection ranging from IP 1X to IP 6X test and Second numeral degree of protection ranging from IP X1 to IP X9 tests along with IP 51 and IP 54 tests for Energy Metres Electrical tests/No load run tests/Functional/Performance Tests and Drawings/Dimensional verifications (Except IP X3 and IP X4 as per Oscillation tube method)	IS / IEC 60529:2001, IS / IEC 60529 2013 IS / IEC 60947-1 2007, IEC 61439-1 2011, IS 13779 2004, IS 14679 2004, IEC 62052-11:2003
1627	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures: Outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Protection against access to hazardous parts indicated by the additional letter test ranging from A to D	CL 15 IS / IEC 60529 : 2001 :2014

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1628	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures: Outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Protection against solid foreign objects indicated by the first characteristic numeral test ranging from IP 1X to IP 6X tests (Except IP X3 and IP X4 as per Oscillation tube method)	CL 13 IS / IEC 60529 : 2001 RA :2014
1629	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures: Outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Protection against water indicated by the second characteristic numeral test ranging from IP X1 to IP X9	CL 14 IEC:60529, Edn 2.2 :2013-08: 2013

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1630	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures: Outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Protection against water indicated by the second characteristic numeral test ranging from IP X1 to IP X9 (Except IP X3 and IP X4 as per Oscillation tube method)	CL 14 IS / IEC 60529 : 2001 RA :2014
1631	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical equipment enclosures: outdoor distribution boards. Relay units /panels. Control cubicles for PCVCB, switching and Control System Enclosures, RMU Panels, HT metering and switching panels, AC Distribution Board, EWM Enclosure, Platform power supply, LT Panel, disconnecting switch assembly consulate, Junction Boxes, LV Switch Board, AC/DC Panel, Weather proof switch Enclosure, Dry Type Transformer Enclosure, PCC Panel. MCC Panel, Bus Ducts, DOL Starter, Integral Starter, Control Panels, Electricity metering equipment enclosures, Actuators, Telecom equipment enclosures, Antennas, Cables, Connector Assembly, GPRS Equipment enclosures, Battery charge Panels, Medical Health Monitoring Equipment enclosures, Drive Mechanism Box, Marshalling Kiosks, Surge monitors, MOMs, Belt sway switch enclosures, Reactor Assembly enclosures, Starter Motors, Soft starters Panels, RAPCONS, BAPCONS, etc	Tests for protection against access to hazardous parts indicated by the first characteristic numeral test ranging from IP 1X to IP 6X tests (Except IP X3 and IP X4 as per Oscillation tube method)	CL 12 IS / IEC 60529 : 2001 RA :2014
1632	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, control and relay panels, mechanical components, structures and other articles	Continuous sine test & Decaying sine test	(Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344
1633	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, control and relay panels, mechanical components, structures and other articles	Resonance search test, Vibration response test & Sine sweep test	IEC 60068-2-57:2013 / (Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344:2020 / IEC 60068 -3 -3
1634	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, control and relay panels, mechanical components, structures and other articles	Sine beat test	IEC 60068-2-57:2013 / (Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344:2020 / IEC 60068 -3 -3

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1635	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, control and relay panels, mechanical components, structures and other articles	Time history test, Multi axis test, Multi-frequency test, S1-Earthquake & S2-Earthquake testing, OBE test & SSE test	IEC 60068-2-57:2013 / (Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344:2020 / IEC 60068 -3 -3
1636	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles	Bump test (half sine)	Test Number 5 of JSS 55555:2012 / Test Number 5 of JSS 55555:2020 / Test Number 11 of JSS 50101:1996 RA
1637	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles	Cold test / Low Temeperature Test / Temperature (cold)	IEC 60068-2-1:2007 / IS 9000, Part 2, Section 1 to 4:1977, RA:2019 / Test Number 20 of JSS 55555:2012 / Test Number 20 of JSS 55555:2020 / Test Number 21 of JSS 50101:1996, RA:2012 / IEC 60947-1
1638	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles	Damp heat steady state test	IEC 60068-2-78:2012 / IS 9000, Part 4:2020 / Test Number 7 of JSS 50101:1996, RA:2012 / Test Number 10 of JSS 55555:2012 / Test Number 10 of JSS 55555
1639	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles	Dry Heat test / High Temperature / Temperature (Dry heat)	IEC 60068-2-2:2007 / IS 9000, Part 3, Section 1 to 5:1977, RA:2019 / Test Number 17 of JSS 55555:2012 / Test Number 17 of JSS 55555:2020 / Test Number 22 of JSS 50101:1996, RA:2012 / IEC 60947-1
1640	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles	Endurance test / Sinusoidal Vibration Test	IEC 60068-2-6:2007 / IS 9000, Part 8:1981, RA:2021 / Test Method 514.8 of MIL-STD-810H:2019 / Test Method 201A of MIL-STD-202H:2015 / Test Number 28 of JSS 55555:2012 / Test Number 28 of JSS 55555:2020 / Test Number 23 of JSS 50101:1996, RA:2012 / IEC 60947-1

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1641	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles	Resonance search test / response investigation	IEC 60068-2-6:2007 / IS 9000, Part 8:1981, RA:2021 / Test Method 514.8 of MIL-STD-810H:2019 / Test Method 201A of MIL-STD-202H:2015 / Test Number 28 of JSS 55555:2012 / Test Number 28 of JSS 55555:2020 / Test Number 23 of JSS 50101:1996, RA:2012 / IEC 60947-1
1642	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles	Shock test / Impact - Shock Test, (Half sine, Saw tooth, Triangle and Trapezoid pulse)	IEC 60068-2-27:2008 / IS 9000, Part 7, Section 1: 2018 IEC 60068-2-27:2008 RA 2021 / Test Number 24 of JSS 55555:2012 / Test Number 24 of JSS 55555:2020 / Test-Method 516.8 of MIL-STD-810H:2019 / Test Method 213B of MIL-STD-202H:2015 / Test Number 12 of JSS 50101:1996, RA:2012 / IEC 60947-1
1643	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles	Temperature cycling test and Change of temperature test	IEC 60068-2-14:2009 / IS 9000, Part 14, Sec 1 and 2 :1988, RA 2021 / Test Number 22 of JSS 55555:2012 / Test Number 22 of JSS 55555:2020 / Test Number 20 of JSS 50101:1996,RA
1644	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles	Vibration response investigation / Resonance search test & Random Vibration Test	IEC 60068-2-64:2008, AMD1:2019(Gaussian distribution) / Test Number 28 of JSS 55555:2012 / Test Number 28 of JSS 55555:2020 / MIL-HDBK-2164A:1996 / Test Method 514.8 of MIL-STD-810H:2019 / Test Method 214A of MIL-STD-202H:2015 / Test Number 24 of JSS 50101:1996, RA
1645	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Cold start test, Dry heat test, Damp heat cyclic test, Low temperature storage test	IEC 60571

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1646	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Resonanace search test , Shock and vibration tests	(Withdrawn standard) IEC 61373 :1999 / IEC 61373:2010 / IEC 60571
1647	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Resonance search test, Shock & Vibration tests	For Weight above 1250 kgs, Category -1, Class A of IEC 61373
1648	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Resonance search test, Shock and vibration tests	(Withdrawn standard) IEC 61373 :1999 / IEC 61373
1649	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels, Rolling Stock equipment for Railway applications and other articles	Bump test-Half sine pulse	Test number 5-JSS 55555:2012 / Test number 5-JSS 55555
1650	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels, Rolling Stock equipment for Railway applications and other articles	Endurance test	IEC 60068-2-6:2007 / IEC 62271- 1:2017+AMD1:2021 / Test Number 28 of JSS 55555:2012 / Test Number 28 of JSS 55555:2020 / IS 9000, Part 8:1981, RA: 2021 / IEC 60947-1
1651	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels, Rolling Stock equipment for Railway applications and other articles	Resonance search test / Vibration response investigation	IEC 60068-2-6:2007 / IEC 62271- 1:2017+AMD1:2021 / Test number 28 of JSS 55555 : 2012 / Test number 28 of JSS 55555 : 2020 / IS 9000, Part 8:1981, RA: 2021 / IEC 60947-1
1652	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels, Rolling Stock equipment for Railway applications and other articles	Shock test-Half sine pulse	IEC 60947-1: 2020 / Test number 24 of JSS 55555:2012 / Test number 24 of JSS 55555
1653	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels, Rolling Stock equipment for Railway applications and other articles	Shock test-Half sine, Saw tooth & Trapezoidal pulse	IEC 60068-2-27:2008 / IS 9000, Part 7, Sec-1:2018 IEC 60068-2-27:2008 RA
1654	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels, Rolling Stock equipment for Railway applications and other articles	Vibration response investigation & Random vibration test	(Gaussian Distribution) IEC 60068-2-64:2008+AMD1

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1655	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment,	Damp heat cyclic test	IEC 60068-2-30:2005 / IS 9000, Part 5, Section 1 & 2:1981, RA: 2019 / Test Number 10 of JSS 55555:2012 / Test Number 10 of JSS 55555:2020 / Test Number 5 of JSS 50101:1996, RA:2012 / IEC 60947-1
1656	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, Relays, Relay Panels, Mechanical Components, Structures and other articles	Continuous sine test and Decaying sine test	(Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344
1657	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, Relays, Relay Panels, Mechanical Components, Structures and other articles	Resonance search test, Vibration response investigation & Sine sweep test	(Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344:2020 / IEC 60068-3-3:2019 / IEC 60068-2-57
1658	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, Relays, Relay Panels, Mechanical Components, Structures and other articles	Seismic qualification test & Time history test (Uni-axial)	(Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344:2020 / IEC 60068-3-3:2019 / IEC 60068-2-57
1659	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, Relays, Relay Panels, Mechanical Components, Structures and other articles	Sine beat test	(Withdrawn standard) IEEE 344:2013 / IEC/IEEE 60980-344:2020 / IEC 60068-3-3:2019 / IEC 60068-2-57
1660	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Dry Heat Test	IEC 60068-2-2
1661	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Dry Heat Test	IEC 60068-2-2
1662	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Ball pressure test	IEC 60695-10-2:
1663	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Damp Heat (Cyclic) test	IEC 60068-3-1:2011 / IS 9000-5:1981 RA:2019

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1664	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Damp Heat (Steady State) test	IEC 60068-2-30:2005 / IS 9000-4:2008 RA:2015
1665	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Dry Heat test	IS 9000 Part 3:1977(RA 2016) IEC 60068-2-2:2007 IEC 60068-2-14
1666	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Environmental test- Cold test	IEC 60068-2- 1 Ed6.0 (2007-03)(Cl.5,6) IS 9000 (Part-II) Sec. 1 to 4
1667	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Environmental test- Cold test	IEC 60068-2- 1 Ed6.0 (2007-03)(Cl.5,6) IS 9000 (Part-II) Sec. 1 to 4
1668	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Environmental test- Cold test	IEC 60068-2 cl.5,6, IS 9000 (part 2)
1669	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Environmental test- composite temperature-Humidity cycle test	IS 9000 part 6 2004, IEC 60068-2
1670	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Environmental test- composite temperature-Humidity cycle test	IS 9000 part 6 2004, IEC 60068-2
1671	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Environmental test- Damp Heat cyclic	IEC 60068-2-30 2005 cl.5.6, IS 9000 (part 5)
1672	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Environmental test- Damp Heat cyclic	IEC 60068-2-30 2005 cl.5.6, IS 9000 (part 5)
1673	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Environmental test- Damp Heat steady state	IEC 60068-2-78 2012 cl.4.5, IS 9000 (part 4)
1674	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Environmental test- Damp Heat steady state	IEC 60068-2-78 2012 cl.4.5, IS 9000 (part 4)

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1675	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Environmental test- Dry Heat	IEC 60068-2-14 2009-01 cl.7,8 IS 9000 (part-14)
1676	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Environmental test- Dry Heat	IEC 60068-2-2 2007-07 cl.5.6, IS 9000 part 3
1677	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Glow wire	IS 11000-2-1:2018 / IEC 60695-2-10:2021 / IEC 60695-2-11: 2021
1678	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Hammer tests	IEC 62262:2002 Amd-1:2021, IEC 60068-2-75
1679	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Ingress Protection-X9	IEC 60529:1989+AMD1:1999+AMD 2:2013 IEC 60529(Ed.2.2)-2013-08 :2013
1680	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Instruments, Equipment, components, PCB, MCB, ACB Rack mounted Equipment, Instrument/ Equipment panels and other articles for Railway applications-Rolling stock equipment	Salt mist test	IEC 60068-2-66:1994, IEC 60068-2-11
1681	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	AC POWER FREQUENCY VOLTAGE TEST	CL 6.10.4.3.4 IEC 62052-3 :2015
1682	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	INSULATION RESISTANCE TEST	CL 11.2 IS 13010 : 2002
1683	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	INSULATION RESISTANCE TEST	CL 11.2 IS 13010 : 2017 2002
1684	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	INSULATION RESISTANCE TEST	cl 12.7.6.4 IS 13779 :1999 RA :2014
1685	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	INSULATION RESISTANCE TEST	cl 12.7.6.4 IS 13779 :1999 RA :2014
1686	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	INSULATION RESISTANCE TEST	CL 12.7.6.4 IS 14697:1999 :2014

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1687	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	INSULATION RESISTANCE TEST	CL 12.7.6.4 IS 14697:1999 :2014
1688	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Insulation resistance test	CL 5.4.6.4 IS 15884 :2010 RA :2016
1689	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Insulation resistance test	CL 5.4.6.4 IS 15884 :2010 RA :2016
1690	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	INSULATION RESISTANCE TEST	CL 7.3 IEC 62052-11 :2003
1691	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	INSULATION RESISTANCE TEST	CL 7.3 IEC 62052-11 :2003
1692	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Mechanical Requirements	CL 5 IEC 62053-23 :2003
1693	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Mechanical Requirements	CL 5 IEC 62053-21 :2003
1694	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Mechanical Requirements	CL 5 IEC 62053-22 :2003
1695	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Mechanical Requirements	CL 5 IEC 62053-24 :2014
1696	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Mechanical Requirements	CL 6.5 IS 16444 :2015
1697	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Mechanical Requirements	CL 6.5 IS 16444 PART 2 :2017
1698	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Protection Against Penetration of Dust and Wate	CL 5.10 IEC 62055-31 :2005
1699	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Protection Against Penetration of Dust and Water	CL 11.24 IS 13010 : 2002 :2017
1700	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	PROTECTION AGAINST PENETRATION OF DUST AND WATER	CL 5.9 IEC 62052-11 :2003

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1701	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Protection Against Penetration of Dust and Water	CL 5.9 IEC 62052-11:2003 :2016
1702	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	PROTECTION AGAINST PENETTRATION OF DUST AND WATER	CL 6.9 & 12.5 IS 14697:1999 :2014
1703	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Test of Protection Against Penetration of Dust and Water	CL 11 IEC 62052-31 :2015
1704	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Test ofProtection Against Penetration of Dust and Water.	cl 12.5 IS 13779 :1999 RA :2014
1705	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy meters, Watthour meters, Trivector meters	Tests of Protection Against Penetration of Dust and Water	CL 5.2.5 IS 15884 :2010 RA :2016
1706	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy Meters, Watthour meters, Trivector meters, Panel Meters, Smart meters, Prepaid meters (1 phase, 3 phase)	Shock test	(Withdrawn standard) IEC 62052-11:2003+AMD1:2016 / (Withdrawn standard) IEC 62053-21:2003+AMD1:2016 / (Withdrawn standard) IEC 62053-22:2003+AMD1:2016 / (Withdrawn standard) IEC 62053-24:2014+AMD1:2016 / (Withdrawn standard) IS 13779:1999+AMD 1, 2, 3, 4 & 5,RA:2014 / (Withdrawn standard) IS 14697:1999+AMD 1, 2, 3 & 4, RA
1707	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy Meters, Watthour meters, Trivector meters, Panel Meters, Smart meters, Prepaid meters (1 phase, 3 phase)	Shock Test	IEC 62052-11:2020 / IEC 62053-11:2003+A1:2016 / IEC 62053-21:2020 / IEC 62053-22:2020 / IEC 62052-31:2015 / IEC 62053-24:2020 / IEC 62055-31:2005 / IS 13010:2002+AMD 1 and 2, RA:2017 / IS 13779:2020 / IS 14697:2021 / IS 15884:2010, RA 2016 / IS 16444, PART 1:2015, RA2020 / IS 16444, PART 2:2017 / CBIP TR 325

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1708	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy Meters, Watthour meters, Trivector meters, Panel Meters, Smart meters, Prepaid meters (1 phase, 3 phase)	Vibration Test	(Withdrawn standard) IEC 62052-11:2003+AMD1:2016 / (Withdrawn standard) IEC 62053-21:2003+AMD1:2016 / (Withdrawn standard) IEC 62053-22:2003+AMD1:2016 / (Withdrawn standard) IEC 62053-24:2014+AMD1:2016 / (Withdrawn standard) IS 13779:1999+AMD 1, 2, 3, 4 & 5,RA:2014 / (Withdrawn standard) IS 14697:1999+AMD 1, 2, 3 & 4, RA
1709	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Energy Meters, Watthour meters, Trivector meters, Panel Meters, Smart meters, Prepaid meters (1 phase, 3 phase)	Vibration Test	IEC 62052-11:2020 / IEC 62053-11: 2003+A1:2016 / IEC 62053-21: 2020 / IEC 62053-22: 2020 / IEC 62052-31: 2015 / IEC 62053-24: 2020 / IEC 62055-31: 2005 / IS 13010:2002+AMD 1 and 2, RA:2017 / IS 13779:2020 / IS 14697:2021 / IS 15884 : 2010, RA 2016 / IS 16444 (PART 1) : 2015, RA2020 / IS 16444 (PART 2) : 2017 / CBIP TR 325
1710	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	High voltage AC Circuit breakers	High temperature test on vacuum circuit breaker	IEC 62271-1 2011-08,Cl.6.101.3&4- IEC 62271-100
1711	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	High voltage AC circuit breakers	Low temperature test on vacuum circuit breaker	IEC 62271-1 2011-08, IEC 62271-100 cl.6.101.3

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1712	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	HIGH-VOLTAGE SWITCHGEAR AND CONTROLGEAR	5.13.1 Protection of persons against access to hazardous parts and protection of the equipment against ingress of solid foreign objects 5.13.2 Protection against ingress of water 6.2.10 Dielectric test on Auxiliary and Control circuits 6.7.1 DoP by enclosures 6.2.10 Dielectric test on Auxiliary and Control circuits 5.13.1 Protection of persons against access to hazardous parts and protection of the equipment against ingress of solid foreign objects 5.13.2 Protection against ingress of wate	cl 5.13.1, 5.13.2, 6.2.10, 6.7.1, 6.2.10, 5.13.1, 5.13.1 of IS / IEC 62271-1 : 2007, RA 2018 IS / IEC 62271-100: 2008, RA 2017 IS / IEC 62271-102 : 2018 IS / IEC 62271-200 2011 RA 2018 BIS IS / IEC 62271 : PART 202 : 2014 IEC 62271-1: Ed.2.0:2021 IEC 62271-100: Ed.3.0:2021 IEC 62271-200: Ed.3.0:2021 IEC 62271-200; Ed.2.0- I 2011 IEC 62271-202 Ed.2.0 :2014
1713	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	i. Solar Inverter (upto 10 kW) ii. UPS (upto 10 kW) iii. LED lamps and luminaries iv.Fan test	Dry Heat Test	IEC 60068-2-2 cl.5.2 & 6.0
1714	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	i. Solar Inverter (upto 10 kW) ii. UPS (upto 10 kW) iii. LED lamps and luminaries iv.Fan test	a. Cold test	IEC 60068-2-1 cl.5.2 & 6.0
1715	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	i. Solar Inverter (upto 10 kW) ii. UPS (upto 10 kW) iii. LED lamps and luminaries iv.Fan test	a. Damp Heat Cyclic Test (12 h+12 h cycle)	IEC 60068-2-30 cl. 7.3
1716	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	i. Solar Inverter (upto 10 kW) ii. UPS (upto 10 kW) iii. LED lamps and luminaries iv.Fan test	a. Change of temperature test	IEC 60068-2-14 cl.8.0
1717	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	indoor / outdoor switchgear and controlgears, Circuit breakers, RMU.	Circuit breaker no load opening time, closing time, measurement	IEC 62271-1:2017+AMD1:2021 / IEC 62271-100:2021 / IEC 62271-200:2021 / IEC 62271-201:2014 / IEC 62271-203:2011 / IEC TR 62271-300: 2006 / IEC TS 62271-210: 2013 / IEC 62271-207:2012 / IEEE 693

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1718	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	indoor / outdoor switchgear and controlgears, Circuit breakers,RMU	Gas/Liquid tightness tests	IEC 62271-1:2017+AMD1:2021 / IEC 62271-100:2021 / IEC 62271-200:2021 / IEC 62271-201:2014 / IEC 62271-203:2011 / IEC TR 62271-300: 2006 / IEC TS 62271-210: 2013 / IEC 62271-207:2012 / IEEE 693
1719	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR ,CONTROL CIRCUIT DEVICES AND SWITCHING ELEMENTS,: PROXIMITY SWITCHES	7.1.11 Degrees of protection of enclosed equipment tests as per Appendix C. 7.1.10 Degree of protection 8.2 Compliance with constructional requirements Electrical tests / No load run tests / Functional / Performance Tests and Drawings / Dimensional verifications	cl 7.1.11, 7.1.10 , 8.2 of IS 13947: PART1 IS 13947 : PART 5 : SEC 2 IS and IEC 60947 with latest amendments :2004
1720	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Low-voltage switchgear and controlgear, Circuit-breakers, Switches, disconnectors, switch-disconnectors and fuse-combination units	8.2.3 Enclosures for equipment- the degrees of protection of enclosed equipment as in Annex C. Electrical tests / No load run tests / Functional / Performance Tests and Drawings / Dimensional verifications	cl 8.2.3 IS / IEC 60947-1: 2007, RA 2017 IS / IEC 60947-2 : 2016 BIS IS / IEC 60947 : PART 3 : 2012 (RA 2018) IS / IEC 60947-5-1 : 2009, RA 2018 IEC 60947-1; Ed.6.0:2020 IEC 60947-2 ; amd-1 Ed.5.0-2019 IEC 60947-5-1; Ed.4.0-2016 IEC 60947-5-2; Ed.3.0 :2007
1721	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Luminaries and lighting fitting equipment enclosures Such as Street Light Fitting Enclosures, Aviation Lights fitting Enclosures, Domestic and Industrial Light Fitting Enclosures, Railway Light Enclosures, Corridor / Office Light Fitting Enclosures, Solar Light Fitting Enclosures, etc.	Degree of Protection tests for lighting / luminaire enclosures meant for use in dusty and moist areas. Which includes first numeral degree of protection test for Solid object proof luminaries (IP 2X, 3X and 4X); Dust proof luminary (IP5X), Dust tight luminary (IP 6X) Second numeral degree of protection tests for drip proof, Rain Proof (IPX1 and IPX2), Splash proof(IPX3 and IPX4), Jet proof (IPX5 and IPX6), Water tight (IPX7) and pressure water tight tests(IPX8) along with electrical streng	IS 10322 part 4 2005 IEC 60598-1 :2014
1722	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Measuring Relays and Protection Equipment	Bump test	IEC 60255-21-2

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1723	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Measuring Relays and Protection Equipment	Shock response test	IEC 60255-21-2
1724	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Measuring Relays and Protection Equipment	Shock withstand test	IEC 60255-21-2
1725	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Measuring Relays and Protection Equipment	Vibration endurance test	IEC 60255-21-1
1726	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Measuring Relays and Protection Equipment	Vibration response test	IEC 60255-21-1
1727	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Measuring relays and protective equipment	Single axis sine sweep seismic test	IEC 60255-21-3
1728	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Model capacitors of grading capacitor	Tightness test at different temperatures	IEC 62146-1 cl.8.9
1729	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Model capacitors of grading capacitor	Tightness test at different temperatures	IEC 62146-1 cl.8.9
1730	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Motors&Pumps	Speed Measurement	Cl. 3.2.4 of IS 11346:2002, RA
1731	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Polymeric Outdoor HV Insulator	Accelerated Weathering Test	IEC 61109:2008 / IEC 62217-2012
1732	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Power Conditioning Unit	Humidity Conditioning test	IS 16221-2:2015 / IEC 62109-2 Cl. 6
1733	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Power Conditioning Unit	Temperature and Humidity test	IS 16221-2:2015 / IEC 62109-2 Cl. 6
1734	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Power Conditioning unit	Temperature range test	Cl. 6 of IS 16221-2:2015 IEC 62109-2
1735	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Power Conditioning unit	Thermal & Humidity preconditioning,	Cl. 4.3 & 4.5 of IS 16221-1:2016 IEC 62109-1
1736	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Power Conditioning unit	Thermal test (temperature rise test)	IS 16221-1:2016 / IEC 62109-1 Cl. 4.3 & 4.5

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1737	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Power Conditioning unit	U V exposure	IS 16221-1:2016 / IEC 62109-1 Cl 6.4
1738	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Relays & protective instrument	Seismic test - Bi-axial	IEC 60255-21-3
1739	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Rotating electrical machinery equipment enclosures of induction Motor, Wall Actuators, DC Machines, AC Machines, Alternators, Generators, Vibratory Electric Motors, Large Motors, Automobile Electrical Motors, Traction Motors, Power Tools Motors, Pumps(Motors), etc,	Degree of Protection tests for all rotating electrical equipment enclosures meant for use in dusty and moist areas. Which includes the Degree of protection tests for – First numeral degree of protection ranging from IP 1X to IP 6X tests and Second numeral degree of protection ranging from IP X1 to IP X9 tests, Electrical tests / No load run tests / Functional / Performance Tests and Drawings / Dimensional verifications.	IS / IEC 60034-5 2000 IEC 60034-5 :2006
1740	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Rotating electrical machinery equipment enclosures: Enclosures of induction Motor, Wall Actuators, DC Machines, AC Machines, Alternators, Generators, Vibratory Electric Motors, Large Motors, Automobile Electrical Motors, Traction Motors, Power Tools Motors, Pumps(Motors), etc	cl. 8 Tests for first characteristic numeral ranging from IP 1X to IP 6X tests and cl.9 tests for Second numeral degree of protection ranging from IP X1 to IP X9 tests, Electrical tests / No load run tests / Functional / Performance Tests and Drawings / Dimensional verifications (Except IP X3 and IP X4 as per Oscillation tube method)	cl 8 IS / IEC:60034-5 :2000, IEC:60034-5 Edition 4.1, 2006-11, protection shall be verified in accordance with IS / IEC 60529 :2006
1741	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Rotatory Electrical machinery equipment enclosures Such as enclosures of induction Motor, Wall Actuators, DC Machines, AC Machines, Alternators, Generators, Vibratory Electric Motors, Large Motors, Automobile Electrical Motors, Traction Motors, Power Tools Motors, Pumps(Motors), etc	Cl 8- tests for first characteristic numeral ranging from IP 1X to IP 6X tests and cl.9 – tests for Second numeral degree of protection ranging from IP X1 to IP X9 tests (Except IP X3 and IP X4 as per Oscillation tube method) Electrical tests / No load run tests / Functional / Performance Tests and Drawings / Dimensional verifications	cl 8 IS / IEC:60034-5 :2000 IEC:60034-5 Edition 4.1, 2006-11, protection shall be verified in accordance with IS / IEC 60529 :2006

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1742	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Shipping containers	Sinusoidal vibration test & Random vibration test	ASTM D4728-17
1743	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Shipping containers and systems	Random vibration test	ASTM D4169-22
1744	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Solar Inverter (upto 10 kW), UPS (upto 10 kW), LED lamps and luminaries, Fan test	Change of temperature test	IEC 60068-2-14 cl.8.0
1745	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Solar Inverter (upto 10 kW), UPS (upto 10 kW), LED lamps and luminaries, Fan test	Cold test	IEC 60068-2-1 cl.5.2 & 6.0
1746	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Solar Inverter (upto 10 kW), UPS (upto 10 kW), LED lamps and luminaries, Fan test	Damp Heat Cyclic Test (12 h+12 h cycle)	IEC 60068-2-30 cl. 7.3
1747	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Solar Inverter (upto 10 kW), UPS (upto 10 kW), LED lamps and luminaries, Fan test	Dry Heat Test	cl.5.2 & 6.0 IEC 60068-2-2 : 2007
1748	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Substation equipment and structures	Free oscillation test (Snap back test) Before seismic qualification test	IEC TS 61463
1749	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Substation equipment and structures	Resonance search test & Vibration response test	IEC TR 62271-300:2006 / IEC/TS 62271-210:2013 / IEC 62271-207:2012 / IEC 60068 -3 -3: 2019 / IEEE 693:2018 / IEC TS 61463:2016 / IEC 60068-2-57
1750	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Substation equipment and structures	Time history shake table test, Seismic qualification test, S1-Earthquake & S2-Earthquake testing	IEC TR 62271-300:2006 / IEC/TS 62271-210:2013 / IEC 62271-207:2012 / IEC 60068 -3 -3: 2019 / IEEE 693:2018 / IEC TS 61463:2016 / IEC 60068-2-57
1751	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication equipment & structures	Resonance search test & Seismic test (Zone 1 to Zone 3)	Cl. 5.4 of Telcordia Generic Requirements GR-63-Core Issue 5, December
1752	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Telecommunication equipment & structures	Resonance search test, Transportation vibration test & Office vibration test	Cl. 5.4 of Telcordia Generic Requirements GR-63-Core Issue 5, December
1753	ELECTRICAL- INDUCTORS & TRANSFORMERS	Conductor and Earth Wire Accessories for Over head Power Lines	Resistance Measurement	IS 2121 part 2 :1981 RA:2018

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1754	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformer / Instrument transformer	Accuracy test Instrument security current test Current error & phase displacement Composite error, Turns Ratio	"IS 16227-1:2016 IEC 61869-1:2007 / IS 16227-2:2016 RA:2021 IEC 61869-2:2012 / IEC 61869-1:2007 / IEC 61869-2:2012 / IS 6949:1973 RA:2016 / ANSI/IEEE C57.13 ™: 2016"
1755	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformer / Instrument transformer	Knee point voltage & exciting current test	"IS 16227-1:2016 IEC 61869-1:2007 / IS 16227-2:2016 RA:2021 IEC 61869-2:2012 / IEC 61869-1:2007 / IEC 61869-2:2012 / IS 6949:1973 RA:2016 / ANSI/IEEE C57.13 ™: 2016"
1756	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformer / Instrument transformer	Over-voltage inter –turn tests	IS 16227-1:2016 IEC 61869-1:2007 / IS 16227-2:2016 RA:2021 IEC 61869-2:2012 / IEC 61869-1:2007 / IEC 61869-2:2012 / IS 6949:1973 RA:2016 / ANSI/IEEE C57.13 ™: 2016
1757	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformer / Instrument transformer	Power frequency dry withstand tests on primary and secondary windings	IS 16227-1:2016 IEC 61869-1:2007 / IS 16227-2:2016 RA:2021 IEC 61869-2:2012 / IEC 61869-1:2007 / IEC 61869-2:2012 / IS 6949:1973 RA:2016 / ANSI/IEEE C57.13 ™: 2016
1758	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformer / Instrument transformer	Secondary winding resistance	IS 16227-1:2016 IEC 61869-1:2007 / IS 16227-2:2016 RA:2021 IEC 61869-2:2012 / IEC 61869-1:2007 / IEC 61869-2:2012 / IS 6949:1973 RA:2016 / ANSI/IEEE C57.13 ™: 2016

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1759	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformer / Instrument transformer	Short time current test	IS 16227-1:2016 IEC 61869-1:2007 / IS 16227-2:2016 RA:2021 IEC 61869-2:2012 / IEC 61869-1:2007 / IEC 61869-2:2012 / IS 6949:1973 RA:2016 / ANSI/IEEE C57.13 ™: 2016
1760	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformer / Instrument transformer	Temperature rise test	IS 2705:1992 RA:2017 / IS 16227-1:2016 IEC 61869-1:2007 / IS 16227-2:2016 RA:2021 IEC 61869-2:2012 / IEC 61869-1:2007 / IEC 61869-2:2012 / IS 6949:1973 RA:2016 / ANSI/IEEE C57.13 ™: 2016
1761	ELECTRICAL- INDUCTORS & TRANSFORMERS	Instrument Transfomer	Temperature Rise Test	IEC 61869-1 :2007 / IEC 61869-2 :2012 / IEC 61869-3 :2011 / IEC 61869-4 :2013 / IEC 61869-5 :2011 / IS 16227-1:2016 / IS 16227-2:2016 RA 2021 / IS 16227-3:2015 RA 2020 / IS 16227-4:2015 / IS 16227-5:2015 RA:2020
1762	ELECTRICAL- INDUCTORS & TRANSFORMERS	Instrument transformer	Short time current test	IEC 61869-1:2007-10 IEC 61869-2:2012-09 IS 16227 - 1 : 2016 & IS 16227- 2 : 2016 IS:2705-1 RA : 2017 & 2 :1992 RA
1763	ELECTRICAL- INDUCTORS & TRANSFORMERS	Instrument transformer	Short time current test	IEC 61869-1:2007-10 IEC 61869-2:2012-09 IS 16227 - 1 : 2016 & IS 16227- 2 : 2016 IS:2705-1 RA : 2017 & 2 :1992 RA :
1764	ELECTRICAL- INDUCTORS & TRANSFORMERS	Instrument transformers, Current transformers, Inductive voltage transformers, Combined transformers, Capacitive voltage transformers	Temperature Rise Test	IEC 61869-1 2007, IEC 61869-2 2012, IEC 61869-3 2011, IEC 61869-4 2013, IEC 61869-5 2011, IS 16227-1:2016, IS 16227-2:2016, IS 16227-3:2015, IS16227-4:2015, IS 16227-5
1765	ELECTRICAL- INDUCTORS & TRANSFORMERS	Line traps for ac. power systems	Measurement of power frequency. Inductance of main coil of line trap.	IEC 60353 1989-11 cl.19.0, IS 8792 1995, cl.4.6, IS 8793 cl.6.2

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1766	ELECTRICAL- INDUCTORS & TRANSFORMERS	Line traps for ac. power systems and reactors	Measurement of power frequency. Inductance of main coil of line trap	IEC 60353 1989-11, IS 8793, IEC 60076-6-2007, IEC 60310
1767	ELECTRICAL- INDUCTORS & TRANSFORMERS	OLTC transition resistor	Transition impedance test	IEC 60214-1: 2014
1768	ELECTRICAL- INDUCTORS & TRANSFORMERS	On load tap changers	Short time current test	IS 8468:2018 / IEC 60214-1:2014
1769	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Measurement of impedance voltage/short circuit Impedance and load loss	IS 2026-1:2011 RA:2016 / IS 2026-2:2010 RA 2020 / IS 2026-3:2018 / IS 2026-4:1977 RA:2016 / IS 2026-5:2011 RA:2016 / IEC 60076-1:2011 / IEC 60076-2:2011 / IEC 60076-3:2013 Amd-1:2018 / IEC 60076-5:2006 / IEC 60076-11:2018 / IS 1180-1:2014 RA:2019 / IS 2026-11:2021 / IS 12021:2015 / IEEE Std C57.12.90™:2021 / IEEE Std C57.12.20™:2017 / IEEE Std C57.12.00™: 2021
1770	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Measurement of no load loss and current & No load current at 112.5 %	IS 2026-1:2011 RA:2016 / IS 2026-2:2010 RA 2020 / IS 2026-3:2018 / IS 2026-4:1977 RA:2016 / IS 2026-5:2011 RA:2016 / IEC 60076-1:2011 / IEC 60076-2:2011 / IEC 60076-3:2013 Amd-1:2018 / IEC 60076-5:2006 / IEC 60076-11:2018 / IS 1180-1:2014 RA:2019 / IS 2026-11:2021 / IS 12021:2015 / IEEE Std C57.12.90™:2021 / IEEE Std C57.12.20™:2017 / IEEE Std C57.12.00™: 2021

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1771	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Measurement of winding resistance	IS 2026-1:2011 RA:2016 IS 2026-2:2010 RA 2020 IS 2026-3:2018 IS 2026-4:1977 RA:2016 IS 2026-5:2011 RA:2016 IEC 60076-1:2011 IEC 60076-2:2011 IEC 60076-3:2013 Amd-1:2018 IEC 60076-5:2006 IEC 60076-11:2018 IS 1180-1:2014 RA:2019 IS 2026-11:2021 IS 12021:2015 IEEE Std C57.12.90™:2010 IEEE Std C57.12.20™:2011 IEEE Std C57.12.00™
1772	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Determination of sound levels	IS 1180-1:2014 RA:2019 / IS 2026-10:2009 RA:2019 / IEC 60076-10:2016 / IEEE Std C57.12.90™: 2021
1773	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Dielectric tests	IS 2026-1:2011 RA:2016 / IS 2026-2:2010 RA 2020 / IS 2026-3:2018 / IS 2026-4:1977 RA:2016 / IS 2026-5:2011 RA:2016 / IEC 60076-1:2011 / IEC 60076-2:2011 / IEC 60076-3:2013 Amd-1:2018 / IEC 60076-4-2002 / IEC 60076-5:2006 / IEC 60076-11:2018 / IS 1180-1:2014 RA:2019 / IS 2026-11:2021 / IS 12021:2015 / IEEE Std C57.12.90™:2021 / IEEE Std C57.12.20™:2017 / IEEE Std C57.12.00™:: 2021
1774	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Induced over voltage withstand test	IS 2026-1:2011 RA:2016 / IS 2026-2:2010 RA 2020 / IS 2026-3:2018 / IS 2026-4:1977 RA:2016 / IS 2026-5:2011 RA:2016 / IEC 60076-1:2011 / IEC 60076-2:2011 / IEC 60076-3:2013 Amd-1:2018 / IEC 60076-5:2006 / IEC 60076-11:2018 / IS 1180-1:2014 RA:2019 / IS 2026-11:2021 / IS 12021:2015 / IEEE Std C57.12.90™:2021 / IEEE Std C57.12.20™:2017 / IEEE Std C57.12.00™: 2021

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1775	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Measurement of insulation resistance	IS 2026-1:2011 RA:2016 / IS 1180-1:2014 / IS 2026-11:2021 / IS 12021:2015 / IEEE Std C57.12.90™-2021 / IEEE Std C57.12.20™-2017 / IEEE Std C57.12.00™: 2021
1776	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Measurement of voltage ratio and check of voltage vector relationship. (Phase displacement)	IS 2026-1:2011 RA:2016 / IS 2026-2:2010 RA 2020 / IS 2026-3:2018 / IS 2026-4:1977 RA:2016 / IS 2026-5:2011 RA:2016 / IEC 60076-1:2011 / IEC 60076-2:2011 / IEC 60076-3:2013 Amd-1:2018 / IEC 60076-5:2006 / IEC 60076-11:2018 / IS 1180-1:2014 RA:2019 / IS 2026-11:2021 / IS 12021:2015 / IEEE Std C57.12.90™:2021 / IEEE Std C57.12.20™:2017 / IEEE Std C57.12.00™: 2021
1777	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Oil leakage test	IS 1180-1:2014 RA:2019 / IEC 60076-1: 2011
1778	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Paint adhesion test	IS 1180-1:2014 RA: 2019
1779	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Permissible flux density & overfluxing	IS:1180-1
1780	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Pressure test	IS 1180-1:2014 RA:2019 / IEC 60076-1: 2011
1781	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Short circuit tests	IS 2026-1:2011 RA:2016 / IS 2026-2:2010 RA 2020 / IS 2026-3:2018 / IS 2026-4:1977 RA:2016 / IS 2026-5:2011 RA:2016 / IEC 60076-1:2011 / IEC 60076-2:2011 / IEC 60076-3:2013 Amd-1:2018 / IEC 60076-5:2006 / IEC 60076-11:2018 / IS 1180-1:2014 RA:2019 / IS 2026-11:2021 / IS 12021:2015 / IEEE Std C57.12.90™:2021 / IEEE Std C57.12.20™:2017 / IEEE Std C57.12.00™: 2021

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1782	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Temperature rise test.	IS 2026-1:2011 RA:2016 / IS 2026-2:2010 RA 2020 / IS 2026-3:2018 / IS 2026-4:1977 RA:2016 / IS 2026-5:2011 RA:2016 / IEC 60076-1:2011 / IEC 60076-2:2011 / IEC 60076-3:2013 Amd-1:2018 / IEC 60076-5:2006 / IEC 60076-11:2018 / IS 1180-1:2014 RA:2019 / IS 2026-11:2021 / IS 12021:2015 / IEEE Std C57.12.90™:2021 / IEEE Std C57.12.20™:2017 / IEEE Std C57.12.00™:: 2021
1783	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers Distribu-tion Trans-formers, Traction transformers, Potential transformers	Measurement of winding resistance	IS 2026 – part 1,2,3,5 2011/2010/2009/2011 IEC 60076 – part 1/2/3/5/10-1, 2011/2011/2013/2006/2016 IS 11171-1985 (Reaffirmed 2016) IEC 60076 – 11 2004 IS 1180 – 1989 (Reaffirmed 2014) IEC 60310 – 2016 IS 3156-1992 (Reaffirmed 2007) IEC 61869-5-2011 IEC 61869-3-2011 ANSI :C-57.12-00 & .90
1784	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers Distribu-tion Trans-formers, Traction transformers, Potential transformers	measurement of short circuit impedance and loss	IS 2026 – part 1,2,3,5 2011/2010/2009/2011 IEC 60076 – part 1/2/3/5/10-1, 2011/2011/2013/2006/2016 IS 11171-1985 (Reaffirmed 2016) IEC 60076 – 11 2004 IS 1180 – 1989 (Reaffirmed 2014) IEC 60310 – 2016 IS 3156-1992 (Reaffirmed 2007) IEC 61869-5-2011 IEC 61869-3-2011 ANSI :C-57.12-00 & .90
1785	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers Distribu-tion Trans-formers, Traction transformers, Potential transformers	measurement of voltage ratio and check of voltage vector relationship	IS 2026 – part 1,2,3,5 2011/2010/2009/2011 IEC 60076 – part 1/2/3/5/10-1, 2011/2011/2013/2006/2016 IS 11171-1985 (Reaffirmed 2016) IEC 60076 – 11 2004 IS 1180 – 1989 (Reaffirmed 2014) IEC 60310 – 2016 IS 3156-1992 (Reaffirmed 2007) IEC 61869-5-2011 IEC 61869-3-2011 ANSI :C-57.12-00 & .90

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1786	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers Distribu-tion Trans-formers, Traction transformers, Potential transformers	measurement of voltage ratio and check of voltage vector relationship	IS 2026-1:2011 RA:2016 / IS 2026-2:2010 RA 2020 / IS 2026-3:2018 / IS 2026-4:1977 RA:2016 / IS 2026-5:2011 RA:2016 / IEC 60076-1:2011 / IEC 60076-2:2011 / IEC 60076-3:2013 Amd-1:2018 / IEC 60076-5:2006 / IEC 60076-11:2018 / IS 1180-1:2014 RA:2019 / IS 2026-11:2021 / IS 12021:2015 / IEEE Std C57.12.90™:2021 / IEEE Std C57.12.20™:2017 / IEEE Std C57.12.00™: 2021
1787	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers Distribu-tion Trans-formers, Traction transformers, Potential transformers	Measurement of winding resistance	IS 2026-1:2011 RA:2016 / IS 2026-2:2010 RA 2020 / IS 2026-3:2018 / IS 2026-4:1977 RA:2016 / IS 2026-5:2011 RA:2016 / IEC 60076-1:2011 / IEC 60076-2:2011 / IEC 60076-3:2013 Amd-1:2018 / IEC 60076-5:2006 / IEC 60076-11:2018 / IS 1180-1:2014 RA:2019 / IS 2026-11:2021 / IS 12021:2015 / IEEE Std C57.12.90™:2021 / IEEE Std C57.12.20™:2017 / IEEE Std C57.12.00™: 2021
1788	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers, Distribution transformers(Non Sealed & Sealed), Dry type transformers, Control Transformers	Zero sequence impedance	IS 2026-1:2011 RA:2016 / IEC 60076-1: 2011
1789	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers/ Reactors/ Current limiting reactors	Insulation resistance test	IEC 60076-6 2007-12 cl.7.8.14, Cl.13.2 IEC60310-2016,cl.8.9.11, cl.9.10.8, IS 5553 part 1 2003, IS 5553 part 3 2003 cl.9.2, 9.3 IS 5553 part 8 2004 cl.7.1, cl.7.2, IEC 60353 cl.19.0 cl.19.0:
1790	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers/ Reactors/ Current limiting reactors	Insulation resistance test	IEC 60076-6 2007-12 cl.7.8.14, Cl.13.2& Cl.13.3 IEC 60310-2016,cl.8.9.11, cl.9.10.8, IS 5553 part 1 2003, IS 5553 part 3 2003 cl.9.2, 9.3 IS 5553 part 8 2004 cl.7.1, cl.7.2, IEC 60353 cl.19.0 cl.19.0:

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1791	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers/ Reactors/ Current limiting reactors	Temperature rise test	IEC 60076-6 2007, IS 2026-6:2017-12 , IEC 60310 cl. 13.3.8,: 1989, cl.7.8.14, cl.8.9.11, cl.9.10.8, IS 5553 part 1 2003, IS 5553 part 3 2003 cl.9.2, 9.3 IS 5553 part 8 2004 cl.7.1, cl.7.2, IEC 60353 cl.19.0 cl.19.0
1792	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers/Reactors/ Current limiting reactors	Measurement of inductance	IEC 60076-6 2007, IS 2026-6:2017-12 cl.7.8.14, cl.8.9.11, cl.9.10.8, IS 5553 part 1 2003, IS 5553 part 3 2003 cl.9.2, 9.3 IS 5553 part 8 2004 cl.7.1, cl.7.2, IEC 60353 cl.19.0 cl.19.0:
1793	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers/Reactors/Current limiting reactors	Separate source ac voltage withstand voltage test	IEC 60076-6-2007, IS 2026-6:2017,,IS 5553-1,2,3,4,5 RA 2013, IEC 60310
1794	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power transformers/Reactors/Current limiting reactors	Separate source ac voltage withstand voltage test	IEC 60076-6-2007, IS 2026-6:2017,,IS 5553-1,2,3,4,5 RA 2013, IEC 60310
1795	ELECTRICAL- INDUCTORS & TRANSFORMERS	Reactor	Short time current test	IS 2026-6:2017 IEC 60076-6: 2007 / IEC 60076-6: 2007
1796	ELECTRICAL- INDUCTORS & TRANSFORMERS	Reactor	Temperature rise test	IS 2026-6:2017 IEC 60076-6: 2007 / IEC 60076-6: 2007
1797	ELECTRICAL- INDUCTORS & TRANSFORMERS	Reactors	measurement of winding resistance	IS 5553 – Parts 1/2/3/4/5/6/7/8 1989/1990/1990/1989/1989/1990/1990/1990 (Reaffirmed 2008/2008/2008/2009/2016/2009/2009) IEC 60076-6 2007
1798	ELECTRICAL- INDUCTORS & TRANSFORMERS	Reactors	measurement of winding resistance	IS 5553 – Parts 1/2/3/4/5/6/7/8 1989/1990/1990/1989/1989/1990/1990/1990 (Reaffirmed 2008/2008/2008/2009/2016/2009/2009) IEC 60076-6 2007
1799	ELECTRICAL- INDUCTORS & TRANSFORMERS	Reactors	Power Loss and Quality Factor	IEC 60076-6-2007,IS 2026-6:2017,IS 5553-1,2,3,4,5:RA
1800	ELECTRICAL- INDUCTORS & TRANSFORMERS	Reactors	Winding resistance measuremenr	IEC 60076-6-2007, IS 2026-6,:2017,,IS 5553-1,2,3,4,5 RA 2013, IEC 60310

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1801	ELECTRICAL- INDUCTORS & TRANSFORMERS	Reactors and Line Traps	Measurement of Power frequency Inductance of main coil of line trap/ Measurement of Power frequency Inductance of Reactors	IEC 60076-6-2007,IS 2026-6:2017,,IEC 60303-1:1993-04, IEC 60310-2016, IEC 60353-1989Am.1:
1802	ELECTRICAL- INDUCTORS & TRANSFORMERS	Reactors and line traps	Temperature rise test	IS 5553-Part 1,2,3,4,5-RA 2013, IEC 60076-6-2007, IS 2026-6:2017,, IEC 60310-2016, IEC 60353
1803	ELECTRICAL- INDUCTORS & TRANSFORMERS	Reactors and Line traps	Temperature Rise Test	IS2026 Part 6:2017/,IEC 60076-6:2007, IEC 60310-2016, IEC 60353-1989 Am.1-
1804	ELECTRICAL- INDUCTORS & TRANSFORMERS	Reactors,Current limiting reactors	Linearity test	IEC 60076-6 2007, IS 2026-6:2017,-12 cl.7.8.14, cl.8.9.11, cl.9.10.8, IS 5553 part 1 2003, IS 5553 part 2 2003 cl.7.2, cl.7.3, IS 5553 part 3 2003 cl.9.2, cl.9.3, IS 5553 part 8 2004 cl.7.1, cl.7.2, IEC 60353 cl.19.0
1805	ELECTRICAL- INDUCTORS & TRANSFORMERS	Rotating Electrical machines	Verification of Terminal marking	IS 12615 Cl. No. 16 & IS/IEC 60034-8-2018
1806	ELECTRICAL- INDUCTORS & TRANSFORMERS	Tap Changers	Temperature Rise Test	IEC 60214-1:2014
1807	ELECTRICAL- INDUCTORS & TRANSFORMERS	Tap changers	Temperature Rise Test	IS 8468 part 1 :2018 IEC 60214-1:2014
1808	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformer	Accuracy test	IS/IEC 16227-1:2016 / IS/IEC 16227-3:2015 RA:2020 / IEC 61869-1:2007 / IEC 61869-3: 2011
1809	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformer	Dielectric test	IS/IEC 16227-1:2016 IS/IEC 16227-3:2015 RA:2020, IEC 61869-1:2007, IEC 61869-3
1810	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformer	Short time current tests,	IS/IEC 16227-1:2016 / IS/IEC 16227-3:2015 RA:2020 / IEC 61869-1:2007 / IEC 61869-3: 2011
1811	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformer	Temperature rise test	IS/IEC 16227-1:2016 / IS/IEC 16227-3:2015 RA:2020 / IEC 61869-1:2007 / IEC 61869-3: 2011

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1812	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical materials - Magnetic materials (CRNGO)	a.c. magnetization by Epstein test	Cl.7.1.1 of IS 648-2006 / IEC 60404-2 -2008
1813	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical materials - Magnetic materials (CRNGO)	Stacking factor.	Cl.9.1 of IS 648-2006 / IEC 60404-13-2018
1814	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical materials - Magnetic materials (CRNGO)	Thickness, Length, width	Cl.8.1, Cl.8.2, Cl.8.3 of IS 648-2006 / IEC 60404-8-4-2013
1815	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical materials - Magnetic materials (CRNGO)	Total specific loss / core loss by Epstein test	Cl.7.1.2 of IS 648-2006 / IEC 60404-2-2008
1816	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric insulator/ Composite insulator. Rating 1kV to 400kV (Inclusive)	Thermal mechanical pre-stressing	IEC 62231-2006 / IEC 61462-2007
1817	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Voltage Transformers, C.V.T., Coupling Capacitor, Rating Above (145kV To 400 kV) Inclusive	Fast Transient Impulse Voltage Test/Multiple chopped test on CT's.	IEC 61869-2/2012 and Documented procedure as per CESI & EDF
1818	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Ceramic/ Glass insulator. Disc/Pin/Post/ Insulating Materials. Ratings From 70kN To 400kN (Inclusive)	Thermo-mechanical Performance test (TMPT)	IEC 60383-1-1993
1819	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Copper/ Aluminium Conductor	Resistance/ Resistivity/ Conductivity	IS 10810 pt.5-1984 (RA- 2016) / IS 13778 pt-5 2012 RA:2017 / IEC 60851-5:2008+AMD1:2011+AMD2-2019
1820	ELECTRICAL- INSULATING MATERIALS & INSULATORS	CVT (Above 3.6kV to 420kV)	Ferro Resonance Test	IEC 61869-5
1821	ELECTRICAL- INSULATING MATERIALS & INSULATORS	CVT (above 3.6kV to 420kV)	Short circuit withstand capability test	IEC 61869-5
1822	ELECTRICAL- INSULATING MATERIALS & INSULATORS	CVT/Coupling capacitors, Ratings from 10kV to 400KV(inclusive)	Discharge test	IEC 60358-1-2013 / IEC 60358-2-2013 / IEC 60358-3-2013 / IEC 61869-5: Cor1:
1823	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator (Ball & socket, Tongue & clevis), Pin Insulator, Post Insulator solid core - rating from 1kV to 36kV (inclusive). Long rod polymer insulators rating from 1kV to 145kV	Mechanical Performance Test	IS 4318- 2018 / IEC 60575-1977 / IEC 60168 : 2000 / IEC 60575

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1824	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator (Ball & socket, Tongue & clevis), Pin Insulator, Post Insulator solid core - rating from 1kV to 36kV (inclusive). Long rod polymer insulators rating from 1kV to 145kV	Residual strength Test	IS 4318/ 2018 / IEC 60575/1977 / IEC 60168/A2 2000 /IEC 60797
1825	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core,Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Ratings up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthling Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Auto transformers etc.,- Up to and Inclusive of 1kVA to 100MVA Rating-1 kV To 220kV (Inclusive).	Power Frequency Withstand Voltage Test (Dry & Wet)	CISPR 18-1-2017 / CISPR 18-2-2017 / CISPR 18-3-2017/IEC 60243-3-2013 / ANSI/IEEE C62.11-2020 / ANSI /IEEE C62.22-2009 / ANSI /IEEE C63.2-2016 / ANSI/IEEE C57.98-2011 / IEEE 4-2013 / IEEE 48-2020 / ANSI /IEEE 81-2012 / IEEE 656-2018 / IEEE 1122-2007 / ANSI/IEEE C62.22a: 2013 ANSI/IEEE C37.42-2016 /ANSI /IEEE C57.12.00-2015 / ANSI /IEEE C57.12.90-2017 / ANSI/IEEE C57.13-2016 / ANSI /IEEE C57.19.00
1826	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core,Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Ratings up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthling Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Auto transformers etc.,- Up to and Inclusive of 1kVA to 100MVA Rating-1 kV To 220kV (Inclusive).	Power Frequency Withstand Voltage Test (Dry & Wet)	IEC 61869-2-2012/IEC 61869-3-2011/IEC 61869-4-Cor1: 2014/IEC 61869-5-Cor1:2015/IEC 61952-2008/IEC 62067-2011/ IEC 62155-2003/IEC 62217-2012/IEC 62231-2006/IEC 62271-1-A1:2021/IEC 62271-100-2021/IEC 62271-102-2018/IEC 62271-103-2021/IEC 62271-104-2020/IEC 62271-105-2021/IEC 62271-106-2021/IEC 62271-107-2019/IEC 62271-108-2020/IEC 62271-109-2019/IEC 62271-111-2019/IEC 62271-200-2021/IEC 62271-203 Cor1:2013/IEC 62271-37-013-2021/IEC 62475-2010/NBR 5356-1/200: 2017/CISPR 16-1-1

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1827	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core,Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Ratings up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthling Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Auto transformers etc.,- Up to and Inclusive of 1kVA to 100MVA Rating-1 kV To 220kV (Inclusive).	Power Frequency Withstand Voltage Test (Dry & Wet)	IEEE-18-2012/ANSI/IEEE C29-1/2018/ANSI /IEEE C29-2A-2020/ANSI /IEEE C29-2B-2013/ANSI /IEEE C29-3-2015/ANSI/IEEE C29-4-2015/ANSI /IEEE C29-5-2015/ ANSI /IEEE C29-6-2015/ANSI /IEEE C29-7-2015/ANSI/IEEE C29-8-2017/ANSI /IEEE C29-9-2017/ANSI /IEEE C37.20.2-2015/ANSI/IEEE C37.23-2015/ANSI /IEEE C37.30.1-2011/ANSI /IEEE C37.41-2017/ANSI/IEEE C37.42-2016/ANSI /IEEE C57.12.00-2015/ANSI /IEEE C57.12.90-2017/ANSI/IEEE C57.13
1828	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core,Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Ratings up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthling Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Auto transformers etc.,- Up to and Inclusive of 1kVA to 100MVA Rating-1 kV To 220kV (Inclusive).	Power Frequency Withstand Voltage Test (Dry & Wet)	IS 8998 :2021/IS 9147:2016/IS 9348:2018/IS 9385 -1:2018/IS 9385-2:2018/IS 9385-3:2018/IS 9431:2019/IS 10162:2018/IS 10810-45:2016/IS 10810-47:2020/IS 11171:2016/IS 11548:2021/IS 13573-1:2016/IS 13573-2:2016/IS 13573-3/2016/IS 13772:2021/13773:2018/IS 13925:2017/IS 13961:2014/IS 14222:2017/IS 15086:2017/IS 16167:2018/IS/IEC 16227-1: 2016/IS/IEC 16227-2:2021/IS/IEC 16227-3:2020/IS/IEC 16227-4:2015/IS/IEC 16227-5:2020/RDSO Spec.TI/SPC/OHE/INS/0070 / TI/SPC/OHE/POST/0100(01)

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1829	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core,Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Ratings up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthling Reactors - Ratings up to 400kV (Inclusive), Current Transformers-Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Auto transformers etc.,- Up to and Inclusive of 1kVA to 100MVA Rating-1 kV To 220kV (Inclusive).	Power Frequency Withstand Voltage Test (Dry & Wet)	RDSO spec. ETI/OHE/51(9/87)/ 1997 /ETI/PSI/117(7/88)/1988 / ET/OHE/15(9/91)/1991 / VDE 0278-628/2002 /VDE 078-629-1: 2009/IEC 60034-15-2009/IEC 60060-1-2010/IEC 60060-2-2010/IEC 60071-1-2019/IEC 60071-2-2018/IEC 60071-5-2014/IEC 60076-1-2011/IEC 60076-3-A1:2018/IEC 60076-4-2002 /IEC 60076-6-2007/IEC 60076-11-2018/IEC 60076-15-2015/IEC 60099-4-2009/IEC 60099-4-2014/IEC 60099-8-2017/IEC 60137-2018/IEC 60168-2000/IEC 60212-2010/IEC 60214-2014/IEC60273-1990/IE C 60243-1-2013/IEC 60243-2
1830	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core,Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct LA/ LA Housing/Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Ratings up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthling Reactors - Ratings up to 400kV (Inclusive), Current Transformers-Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Auto transformers etc.,- Up to and Inclusive of 1kVA to 100MVA Rating-1 kV To 220kV (Inclusive).	Power Frequency Withstand Voltage Test (Dry & Wet)	IS 692:2020/IS 731:2016/IS 1180:2019/IS 1445:2019/IS 1554-1: 2020/IS 1554-2:2020/IS 2026-1:2016/IS 2026-3:2018/IS 2026-6:2017/IS/IEC 2026-11:2021/IS 2071-1:2016/IS 2705:2017 /Withdrawn IS 3070-3:2004/IS 4318:2018/IS 4770:2017/IS 5300:2019/IS 5350-1:2019/IS 5350-2:2019/IS 5350-3:2019/IS 7098-1:2020/IS 7098-2:2016/IS 7098-3:2019/IS 7421:2019/IS 8084:2017/IS 8263:2018/IS 8269:2019/IS 8468-1:2018/IS 8603:2019/IS 8603-4:2019/IS 8690:2019/IS 8792:2019/IS 8793:2019/IS 8997

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1831	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core,Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/LA/LA Housing/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Ratings up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthling Reactors - Ratings up to 400kV (Inclusive), Current Transformers-Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Auto transformers etc.,- Up to and Inclusive of 1kVA to 100MVA Rating-1 kV To 220kV (Inclusive).	Power Frequency Withstand Voltage Test (Dry & Wet)	IEC 60143-1-2015/IEC 60282-1-2020/IEC 60282-2-2008/IEC 60305-2021/IEC 60310-2018/IEC 353-A1:2002/IEC 60358-1-2013/IEC 60358-2-2013/IEC 60358-3/2013/IEC 60383-1-1993/IEC 60383-2-1993/IEC 60433-2021/IEC 60437-1997/IEC 60507-2018/IEC 60660-1999/IEC 60660-1999/IEC 60700-1-2017/IEC 60700-2-2017/IEC 60871-1-2014/ IEC 60984-2014/IEC 61083-1-2021/IEC 61083-2-2013/IEC 61109-2008/IEC 61211-2004/IEC 61245-2018/IEC 61284-1998/IEC 61325-1995/IEC 61467-2008/IEC 61869-1
1832	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core/ Hollow Insulator/ Insulator strings, Lightning arrester Housing & insulating tubes etc. - rated 3.6kV to 400kV	Visible Discharge Test	IS 731:2016 / IS 4318:2018 / IS 2071-1:2016 / IS 2121 (Part 2): 2018 / IEC 60060-1-2010 / IEC 61284-1998 / IEC 60353-2002 / IS 398(Part 5):2018 / RDSO Spec. TI/SPC/OHE/INS/0070 / TI/SPC/OHE/POST/0100(01)/2020 / ETI/OHE/51(9/87)/1992 / ETI/PSI/117(7/88)/1988 / ET/OHE/15(9/91)/1991 / VDE 0278-628/2002 / VDE 078-629-1

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1833	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core/Hollow Insulator, Insulator Strings, LA, Lightning Arrester Housing, Insulating Rod/ Operating Rod -For 220kV to 420 kV (Inclusive), Repair Sleeves rated above 1kV to 420kV (Inclusive). Thyristor Valves - 11kV to 35kV.	Power Frequency Flashover Test (Dry & Wet)	IEC 60143-1-2015/IEC 60282-1-2020/IEC 60282-2-2008/IEC 60305-2021/IEC 60310-2018/IEC 353-A1:2002/IEC 60358-1-2013/IEC 60358-2-2013/IEC 60358-3/2013/IEC 60383-1-1993/IEC 60383-2-1993/IEC 60433-2021/IEC 60437-1997/IEC 60507-2018/IEC 60660-1999/IEC 60660-1999/IEC 60700-1-2017/IEC 60700-2-2017/IEC 60871-1-2014/ IEC 60984-2014/IEC 61083-1-2021/IEC 61083-2-2013/IEC 61109-2008/IEC 61211-2004/IEC 61245-2018/IEC 61284-1998/IEC 61325-1995/IEC 61467-2008/IEC 61869-1
1834	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core/Hollow Insulator, Insulator Strings, Lightning Arrester Housing, Insulating Rod/ Operating Rod -For 220kV to 420 kV (Inclusive), Repair Sleeves rated above 1kV to 420kV (Inclusive). Thyristor Valves - 11kV to 35kV.	Power Frequency Flashover Test (Dry & Wet)	CISPR 18-1-2017 / CISPR 18-2-2017 / CISPR 18-3-2017/IEC 60243-3-2013 / ANSI/IEEE C62.11-2020 / ANSI /IEEE C62.22-2009 / ANSI /IEEE C63.2-2016 / ANSI/IEEE C57.98-2011 / IEEE 4-2013 / IEEE 48-2020 / ANSI /IEEE 81-2012 / IEEE 656-2018 / IEEE 1122-2007 / ANSI/IEEE C62.22a: 2013 ANSI/IEEE C37.42-2016 /ANSI /IEEE C57.12.00-2015 / ANSI /IEEE C57.12.90-2017 / ANSI/IEEE C57.13-2016 / ANSI /IEEE C57.19.00

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1835	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core/Hollow Insulator, Insulator Strings, Lightning Arrester Housing, Insulating Rod/ Operating Rod -For 220kV to 420 kV (Inclusive), Repair Sleeves rated above 1kV to 420kV (Inclusive). Thyristor Valves - 11kV to 35kV.	Power Frequency Flashover Test (Dry & Wet)	IEC 61869-2-2012/IEC 61869-3-2011/IEC 61869-4-Cor1: 2014/IEC 61869-5-Cor1:2015/IEC 61952-2008/IEC 62067-2011/ IEC 62155-2003/IEC 62217-2012/IEC 62231-2006/IEC 62271-1-A1:2021/IEC 62271-100-2021/IEC 62271-102-2018/IEC 62271-103-2021/IEC 62271-104-2020/IEC 62271-105-2021/IEC 62271-106-2021/IEC 62271-107-2019/IEC 62271-108-2020/IEC 62271-109-2019/IEC 62271-111-2019/IEC 62271-200-2021/IEC 62271-203 Cor1:2013/IEC 62271-37-013-2021/IEC 62475-2010/NBR 5356-1/200: 2017/CISPR 16-1-1
1836	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core/Hollow Insulator, Insulator Strings, Lightning Arrester Housing, Insulating Rod/ Operating Rod -For 220kV to 420 kV (Inclusive), Repair Sleeves rated above 1kV to 420kV (Inclusive). Thyristor Valves - 11kV to 35kV.	Power Frequency Flashover Test (Dry & Wet)	IEEE-18-2012/ANSI/IEEE C29-1/2018/ANSI /IEEE C29-2A-2020/ANSI /IEEE C29-2B-2013/ANSI /IEEE C29-3-2015/ANSI/IEEE C29-4-2015/ANSI /IEEE C29-5-2015/ ANSI /IEEE C29-6-2015/ANSI /IEEE C29-7-2015/ANSI/IEEE C29-8-2017/ANSI /IEEE C29-9-2017/ANSI /IEEE C37.20.2-2015/ANSI/IEEE C37.23-2015/ANSI /IEEE C37.30.1-2011/ANSI /IEEE C37.41-2017/ANSI/IEEE C37.42-2016/ANSI /IEEE C57.12.00-2015/ANSI /IEEE C57.12.90-2017/ANSI/IEEE C57.13

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1837	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core/Hollow Insulator, Insulator Strings, Lightning Arrester Housing, Insulating Rod/ Operating Rod -For 220kV to 420 kV (Inclusive), Repair Sleeves rated above 1kV to 420kV (Inclusive). Thyristor Valves - 11kV to 35kV.	Power Frequency Flashover Test (Dry & Wet)	IS 692:2020/IS 731:2016/IS 1180:2019/IS 1445:2019/IS 1554-1: 2020/IS 1554-2:2020/IS 2026-1:2016/IS 2026-3:2018/IS 2026-6:2017/IS/IEC 2026-11:2021/IS 2071-1:2016/IS 2705:2017 /Withdrawn IS 3070-3:2004/IS 4318:2018/IS 4770:2017/IS 5300:2019/IS 5350-1:2019/IS 5350-2:2019/IS 5350-3:2019/IS 7098-1:2020/IS 7098-2:2016/IS 7098-3:2019/IS 7421:2019/IS 8084:2017/IS 8263:2018/IS 8269:2019/IS 8468-1:2018/IS 8603:2019/IS 8603-4:2019/IS 8690:2019/IS 8792:2019/IS 8793:2019/IS 8997
1838	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core/Hollow Insulator, Insulator Strings, Lightning Arrester Housing, Insulating Rod/ Operating Rod -For 220kV to 420 kV (Inclusive), Repair Sleeves rated above 1kV to 420kV (Inclusive). Thyristor Valves - 11kV to 35kV.	Power Frequency Flashover Test (Dry & Wet)	IS 8998 :2021/IS 9147:2016/IS 9348:2018/IS 9385 -1:2018/IS 9385-2:2018/IS 9385-3:2018/IS 9431:2019/IS 10162:2018/IS 10810-45:2016/IS 10810-47:2020/IS 11171:2016/IS 11548:2021/IS 13573-1:2016/IS 13573-2:2016/IS 13573-3/2016/IS 13772:2021/13773:2018/IS 13925:2017/IS 13961:2014/IS 14222:2017/IS 15086:2017/IS 16167:2018/IS/IEC 16227-1: 2016/IS/IEC 16227-2:2021/IS/IEC 16227-3:2020/IS/IEC 16227-4:2015/IS/IEC 16227-5:2020/RDSO Spec.TI/SPC/OHE/INS/0070 / TI/SPC/OHE/POST/0100(01)

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1839	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator /Pin Insulator /Post Insulator - Solid Core/Hollow Insulator, Insulator Strings, Lightning Arrester Housing, Insulating Rod/ Operating Rod -For 220kV to 420 kV (Inclusive), Repair Sleeves rated above 1kV to 420kV (Inclusive). Thyristor Valves - 11kV to 35kV.	Power Frequency Flashover Test (Dry & Wet)	RDSO spec. ETI/OHE/51(9/87)/ 1997 /ETI/PSI/117(7/88)/1988 / ET/OHE/15(9/91)/1991 / VDE 0278-628/2002 /VDE 078-629-1: 2009/IEC 60034-15-2009/IEC 60060-1-2010/IEC 60060-2-2010/IEC 60071-1-2019/IEC 60071-2-2018/IEC 60071-5-2014/IEC 60076-1-2011/IEC 60076-3-A1:2018/IEC 60076-4-2002 /IEC 60076-6-2007/IEC 60076-11-2018/IEC 60076-15-2015/IEC 60099-4-2009/IEC 60099-4-2014/IEC 60099-8-2017/IEC 60137-2018/IEC 60168-2000/IEC 60212-2010/IEC 60214-2014/IEC60273-1990/IE C 60243-1-2013/IEC 60243-2
1840	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid core, Hollow Insulator, Insulating rod/operating rod/ Lightning arrester housing - rating 1kV to 400kV (Inclusive)	Temperature Cycle test	IS 731:2016 / IS 1445:2019 / IS 4318:2018 / IS 5300:2019 / IS 5350- 1:2019 / IS 5350-2:2019 / IS 5350-3:2019 / IS 7421:2019 / IS 9431:2019 / IEC 60137- 2018 / IEC 60273-1990 / IEC 60305-2021 / IEC 60383-1-1993 / IEC 60383-2-1993 / IEC 60433-2021 / IEC 60660-1999 / IEC 60168-2000 / IEC 61109:2008 / IEC 61211:2004 / IEC 61952-2008 / IEC 62155-2003 / ANSI /IEEE C29-1-2018 / C 29-2A-2020 / C29-2B-2013 / C29-3-2015 / C 29-4-2015 / C29-5-2015 / C29-6-2015 / C29-7-2015 / C57.12.00-2015 / IEEE C37.41

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1841	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse flashover test	ANSI /IEEE C57.98-2011/IEEE 4-2013/IEEE 48-2020/IEEE 81-2012/IEEE 656-2018/IEEE 1122
1842	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse flashover test	IEC 60034-15-2009/IEC 60060-1-2010/IEC 60060-2-2010/IEC 60071-1-2019/IEC 60071-2-2018/IEC 60071-5-2014/IEC 60076-1-2011/60076-3-A1-2018/ 60076-4-2002/60076-6-2007/60076-11- 2018/60076 -15-2015/IEC 60099-4-2014/IEC 60099-4-2009/IEC 60099-8-2017/IEC 60137-2018/IEC 60168-2000/IEC 60212-2010/IEC 60214-1-2014/IEC 60273-1990/IEC 60243-1-2013/IEC 60243-2-2013/IEC 60243-3-2013 IEC 60282-1-2020/IEC 60282-2-2008/IEC 60305-2021/IEC 60310-2018/IEC 353-2002/IEC 60358-1-2012/IEC 60358-2-2013/IEC 60358-3

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1843	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse flashover test	IEC 60383-1-1993/IEC 60383-2-1993/IEC 60433-2021/ IEC 60437-1997/IEC 60507-2013/IEC 60660-1999/ IEC 60700-1-2017/IEC 60700-2-2017/IEC 60984-2014/IEC 61083-1-2021/IEC 61083-2-2013/IEC 61109-2008/IEC 61211-2004/IEC 61245-2018/IEC 61284-1998/IEC 61325-1995/IEC 61467-2008/IEC 61869-1-2007/IEC 61869-2-2012/IEC 61869-3: 2011/ IEC 61869-4-2014/IEC 61869-5-2015/IEC 61952-2008/IEC 62067-2011/IEC 62155-2003/IEC 62217-2012/IEC 62231-2006/IEC 62271-1-2021/IEC 62271-100-2021/IEC 62271-102-2018/IEC 62271-103
1844	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse flashover test	IEC 62271-104-2020/IEC 62271-105-2021/IEC 62271-106-2021/IEC 62271-107-2019/IEC 62271-108-2020/IEC 62271-109-2019/IEC 62271-111-2019/IEC 62271-200-2021/IEC 62271-203-2013/IEC 62271-37-013-2021/IEC 62475-2010/NBR 5356-1-200: 2017/CISPR 16-1-1-2019/CISPR 18-1-2017/CISPR 18-2: 2017/CISPR 18-3-2017/IEEE-18-2012/ANSI /IEEE C29-1-2018/ANSI /IEEE C29-2A-2020/ANSI /IEEE C29-2B-2013/ANSI /IEEE C29-3-2015/ANSI /IEEE C29-4-2015/ANSI /IEEE C29-5-2015/ANSI /IEEE C29-6-2015/ANSI /IEEE C29-7

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1845	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse flashover test	IS 692:2020/IS 731:2016/IS 1445:2019/IS 1554-1:2020/IS 1554-2/2020/IS 2026-1:2016/IS 2026-3:2018/IS 2026-6:2017/IS/IEC 2026-11:2021/IS 2071-1:2016/IS 2705:2017/Withdrawn IS 3070-3:2004/IS 4318:2018/IS 4770:2017/IS 5300:2019/IS 5350-1:2019/IS 5350-2:2019/IS 5350-3:2019/IS 7098-1:2020/IS 7098-2:2016/IS 7098-3:2019/IS 7421:2019/IS 8084:2017/IS 8263:2018/IS 8269:2019/IS 8468-1:2018/IS 8603:2019/IS 8603-4:2019/IS 8690:2016/IS 8792
1846	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse flashover test	IS 8793:2019/IS 8997: 2021/IS 8998:2021/IS 9147:2016/IS 9348:2018/IS 9385-1:2018/IS 9385-2:2018/IS 9385-3:2018/IS 9431:2019/IS 10162: 2018/IS 10810-45:2016/IS 10810-47:2020/IS 11171:2016/IS 11548:2021/IS 13573-1: 2016/IS 13573-2:2016/IS 13573-3:2016/IS 13772:2021/13773:2018/IS 13925:2017/IS 13961:2014/IS 14222:2017/IS 15086-4:2017/IS 15086-5:2020/RDSO Spec. TI/SPC/OHE/INS/0070/ TI/SPC/OHE/POST/0100(01): 2020 RDSO Spec. ETI/OHE/51(9/87)/1992/ ETI/PSI/117(7/88)/1988 / ET/OHE/15(9/91)

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1847	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse withstand voltage test	ANSI /IEEE C57.12.20-2017/ANSI /IEEE C57.138-2016/ANSI /IEEE C57.12.90-2015 cor1-2017/ANSI /IEEE C57.13-2016/ANSI /IEEE C57.19.00-2010/ANSI /IEEE C62.11-2020/ANSI /IEEE C62.22-2013/ANSI /IEEE C63.2-2016/ANSI /IEEE C57.98-2011/IEEE 4-2013/IEEE 48-2020/IEEE 81-2012/IEEE 656-2018/IEEE 1122
1848	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse withstand voltage test	IEC 60099-8-2017/IEC 60137-2018/IEC 60168-A2:2000/IEC 60212-2010/IEC 60214-1-2014/IEC 60273-1990/IEC 60243-1-2013/IEC 60243-2-2013/IEC 60243-3-2013/IEC 60282-1-2020/IEC 60282-2-2008/IEC 60305-2021/IEC 60310-2018/IEC 353-A1:2002/IEC 60358-1-2012/IEC 60358-2-2013/IEC 60358-3/2013/IEC 60383-1-1993/IEC 60383-2-1993/IEC 60433-2021/IEC 60437-1997/IEC 60507-2013/IEC 60660-1999/IEC 60700-1-2017/IEC 60700-2-2017/IEC 60984-2014/61083-1-2021/IEC 61083-2-2013/IEC 61109-2008/IEC 61211-2004/IEC 61245

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1849	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse Withstand Voltage test	IEC 61284-1998/IEC 61325-1995/IEC 61467-2008/IEC 61869-1-2007/IEC 61869-2-2012/IEC 61869-3: 2011/IEC 61869-4-2014/IEC 61869-5-2015/IEC 61952-2008/IEC 62067-2011/IEC 62155-2003/IEC 62217-2012/IEC 62231-2006/IEC 62271-1-2021/IEC 62271-100-2021/IEC 62271-102-2018/IEC 62271-103-2021/IEC 62271-104-2020/IEC 62271-105-2021/IEC 62271-106-2021/IEC 62271-107-2019/IEC 62271-108-2020/IEC 62271-109-2019/IEC 62271-111-2019/IEC 62271-200-2021/IEC 62271-203-2013/IEC 62271-37-013-2021/IEC 62475
1850	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse withstand voltage test	IS 692:2020/IS 731:2016/IS 1180: A4:2021/IS 1445:2019/IS 1554-1:2020/IS 1554-2/2020/IS 2026-1:2016/IS 2026-3:2018/IS 2026-6:2017/IS/IEC 2026-11:2021/IS 2071-1:2016/IS 2705:2017/Withdrawn IS 3070-3:2004/IS 4318:2018/IS 4770:2017/IS 5300:2019/IS 5350-1:2019/IS 5350-2:2019/IS 5350-3:2019/IS 7098-1:2020/IS 7098-2:2016/IS 7098-3:2019/IS 7421:2019/IS 8084:2017/IS 8263:2018/IS 8269:2019/IS 8468-1:2018/IS 8603:2019/IS 8603-4:2019/IS 8690:2016/IS 8792:2019/IS 8793:2019/IS 8997: 2021/IS 8998:2021/IS 9147-

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1851	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse withstand voltage test	IS 9348:2018/IS 9385-1:2018/IS 9385-2: 2018/IS 9385-3:2018/IS 9431:2019/IS 10162:2018/IS 10810-45:2016/IS 10810-47:2020/IS 11171:2016/IS 11548:2021/IS 13573-1: 2016/IS 13573-2:2016/IS 13573-3:2016/IS 13772:2021/13773:2018/IS 13925:2017/IS 13961:2014/IS 14222:2017/IS 15086-4:2017/IS 15086-5:2020/IS 16227-1:2016/IS 16227-2:2021/IS 16227-3:2020/IS 16227-4:2015/IS 16227-5:2020/IS/IEC 62271-1:2007 RA 2018/IS/IEC 62271-100:2008 RA 2017/IS/IEC 62271-102:2018/IS/IEC 62271-103:2011 RA
1852	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse withstand voltage test	NBR 5356-1-200: 2017/CISPR 16-1-1-2019/CISPR 18-1-2017/CISPR 18-2: 2017/CISPR 18-3-2017/IEEE-18-2012/ANSI /IEEE C29-1-2018/ANSI /IEEE C29-2A-2020/ANSI /IEEE C29-2B-2013/ANSI /IEEE C29-3-2015/ANSI /IEEE C29-4-2015/ANSI /IEEE C29-5-2015/ANSI /IEEE C29-6-2015/ANSI /IEEE C29-7-2015/ANSI /IEEE C29-8-2017/ANSI /IEEE C29-9-2017/ANSI /IEEE C37.20.2-2015/ANSI /IEEE C37.23-2015/ANSI /IEEE C37.30.1-2011/ANSI /IEEE C37.41-2017/ANSI /IEEE C37.42-2016/ANSI /IEEE C57.12.00: 2015/ANSI /IEEE 57.12.01

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1853	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).Lightning arresters – rating 1kV to 245kV (Inclusive). Bushings / power connectors, compression joints, repair sleeves rating 145 to 420kV (Inclusive)	Radio Interference Voltage Test (Dry & Wet)	ANSI /IEEE C29-1- 2018 /ANSI /IEEE C29- 2A-2020 /PGCIL /C/ENGG/SPEC/GTR/Rev.no14/Jan: 2017/ ANSI /IEEE C29-2B-2013/ANSI /IEEE C29- 3-2015/ ANSI /IEEE C29-4-2015/ANSI /IEEE C29-5-2015/ ANSI /IEEE C29-6- 2015/ANSI /IEEE C29-7-2015/ ANSI /IEEE C29-8-2017/ANSI /IEEE C29-9-2017/ ANSI /IEEE C57.13- 2016/ANSI /IEEE C63-2-2016/ ANSI/IEEE C62.11-2020/IEEE 656-2018/IEEE 1122-2007/CISPR 16-1- 2019/CISPR 18-1- 2017/CISPR 18-2-2017/CISPR 18-3-2017/IEEE 18-2012/IEEE C37.41
1854	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).Lightning arresters – rating 1kV to 245kV (Inclusive). Bushings / power connectors, compression joints, repair sleeves rating 145 to 420kV (Inclusive)	Radio Interference Voltage Test (Dry & Wet)	ANSI /IEEE C29-1- 2018 /ANSI /IEEE C29- 2A-2020 /PGCIL /C/ENGG/SPEC/GTR/Rev.no14/Jan: 2017/ ANSI /IEEE C29-2B-2013/ANSI /IEEE C29- 3-2015/ ANSI /IEEE C29-4-2015/ANSI /IEEE C29-5-2015/ ANSI /IEEE C29-6- 2015/ANSI /IEEE C29-7-2015/ ANSI /IEEE C29-8-2017/ANSI /IEEE C29-9-2017/ ANSI /IEEE C57.13- 2016/ANSI /IEEE C63-2-2016/ ANSI/IEEE C62.11-2020/IEEE 656-2018/IEEE 1122-2007/CISPR 16-1- 2019/CISPR 18-1- 2017/CISPR 18-2-2017/CISPR 18-3-2017/IEEE 18-2012/IEEE C37.41

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1855	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).Lightning arresters – rating 1kV to 245kV (Inclusive). Bushings / power connectors, compression joints, repair sleeves rating 145 to 420kV (Inclusive)	Radio Interference Voltage Test (Dry & wet)	IEC 60076-11:2018/IEC 61284-1998/IEC 60353-2002/IEC 60437-1997/IEC 60099-4-2014/IEC 61869-1-2007/IEC 61869-2-2012/IEC 61869-3-2011/IEC 61869-4-2014/IEC 61869-5-2015/IEC 62271-1-2017/IEC 62271-102-2018/IEC 62271-100-2021/IEC 62271-103-2021/IEC 62271-111/2019/RDSO Spec. TI/SPC/OHE/INS/0070/ TI/SPC/OHE/POST/0100(01)/2020/ ETI/OHE/51(9/87)/1992/ ETI/PSI/117(7/88)/1988/ ET/OHE/15(9/91)/1991/VDE 0278-628/2002/VDE 078-629-1-2009/NEMA 107
1856	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).Lightning arresters – rating 1kV to 245kV (Inclusive). Bushings / power connectors, compression joints, repair sleeves rating 145 to 420kV (Inclusive)	Radio Interference Voltage Test (Dry & Wet)	IEC 60076-11:2018/IEC 61284-1998/IEC 60353-2002/IEC 60437-1997/IEC 60099-4-2014/IEC 61869-1-2007/IEC 61869-2-2012/IEC 61869-3-2011/IEC 61869-4-2014/IEC 61869-5-2015/IEC 62271-1-2017/IEC 62271-102-2018/IEC 62271-100-2021/IEC 62271-103-2021/IEC 62271-111/2019/RDSO Spec. TI/SPC/OHE/INS/0070/ TI/SPC/OHE/POST/0100(01)/2020/ ETI/OHE/51(9/87)/1992/ ETI/PSI/117(7/88)/1988/ ET/OHE/15(9/91)/1991/VDE 0278-628/2002/VDE 078-629-1-2009/NEMA 107

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1857	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).Lightning arresters – rating 1kV to 245kV (Inclusive). Bushings / power connectors, compression joints, repair sleeves rating 145 to 420kV (Inclusive)	Radio Interference Voltage Test (Dry & wet)	IS 731:2016/IS 2121 (Part 2):2018/IS 4318:2018/IS 398 (part 5):2018/IS 2026-3:2018/IS 2026-6:2017/ IS/IEC 2026-11: 2021/IS 5350-1:2019/IS 5350-2:2019 /IS 5350- 3:2019/IS 8263:2018/IS 8792:2019/IS 8793 :2019/IS 9348:2018/IS 11171:2016/IS/IEC 16227-1:2016/IS/IEC 16227-2:2016/IS/IEC 16227-3:2020/IS/IEC 16227-4:2015/withdrawn IS 3070-3:2004/IS 16227-5:2015/NBR 5356- 1:2010/NBR 5356- 2:2014/IEC 60060-1-2010/IEC 60076-3-2018/IEC 60076-6
1858	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers- Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).Lightning arresters – rating 1kV to 245kV (Inclusive). Bushings / power connectors, compression joints, repair sleeves rating 145 to 420kV (Inclusive)	Radio Interference Voltage Test (Dry & Wet)	IS 731:2016/IS 2121 (Part 2):2018/IS 4318:2018/IS 398 (part 5):2018/IS 2026-3:2018/IS 2026-6:2017/ IS/IEC 2026-11: 2021/IS 5350-1:2019/IS 5350-2:2019 /IS 5350- 3:2019/IS 8263:2018/IS 8792:2019/IS 8793 :2019/IS 9348:2018/IS 11171:2016/IS/IEC 16227-1:2016/IS/IEC 16227-2:2016/IS/IEC 16227-3:2020/IS/IEC 16227-4:2015/withdrawn IS 3070-3:2004/IS 16227-5:2015/NBR 5356- 1:2010/NBR 5356- 2:2014/IEC 60060-1-2010/IEC 60076-3-2018/IEC 60076-6

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1859	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct/ LA / LA Housing /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers-Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse Withstand Voltage test	IS/IEC 62271-104:2009 RA 2015/IS/IEC 62271-111:2012 RA 2016/IS/IEC 62271-200:2011 RA 2018/IS/IEC 62271-203:2011 RA 2018/RDSO Spec. TI/SPC/OHE/INS/0070 / TI/SPC/OHE/POST/0100(01): 2020/RDSO Spec. ETI/OHE/51(9/87)/1992 / ETI/PSI/117(7/88)/1988 / ET/OHE/15(9/91)/1991 /IEC 60034-15-2009/IEC 60060-1-2010/IEC 60060-2-2010/IEC 60071-1-2019/IEC 60071-2-2018/IEC 60071-5-2014/IEC 60076-1-2011/60076-3-A1-2018/60076-4-2002 /60076-6-2007/60076-11-2018/60076 -15-2015/IEC 60099-4-2014/IEC 60099-4
1860	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc Insulator/Pin Insulator /Post Insulator - Solid Core, Hollow Insulator, Insulator Strings -Ratings up to 420 kV (Inclusive), A. B. Switches /Isolator/Circuit Breaker/Bus Duct/ LA/ LA Housing /Cable/Bushing / Panel/Horn Gap/Dropout Fuse Unit- Rating up to 420 kV (Inclusive), P T/ C V T /Coupling /Tap Changers. Capacitors/Grading Capacitors /R.V.T.S/C.T - PT Units. - Ratings up to 420kV (Inclusive), Series Reactors, Line Traps. Tuning Reactors & Neutral Earthing Reactors - Ratings up to 400kV (Inclusive), Current Transformers-Rating up to 420kV (Inclusive), Power/Distribution Transformers Including Earthing Transformers, Autotransformers etc.,-up to and Inclusive of 1kVA to 100MVA Rating-1 kV to 220kV (Inclusive).	Impulse flashover test	ANSI /IEEE C29-8-2017/ANSI /IEEE C29-9-2017/ANSI /IEEE C37.20.2-2015/ANSI /IEEE C37.23-2015/ANSI /IEEE C37.30.1-2011/ANSI /IEEE C37.41-2017/ANSI /IEEE C37.42-2016/ANSI /IEEE C57.12.00: 2015/ ANSI /IEEE C57.12.01-2020/ANSI /IEEE C57.12.20-2017/ANSI /IEEE C57.138-2016/ANSI /IEEE C57.12.90-2015 cor1-2017/ANSI /IEEE C57.13-2016/ ANSI /IEEE C57.19.00-2010/ANSI /IEEE C62.11-2020/ANSI /IEEE C62.22-2013/ANSI /IEEE C63.2
1861	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc/Pin/Post and Similar Insulating Materials. Also Items Like Battery Containers, Rubber Mats, Rating from 1kV To 110kV (Inclusive).	Power Frequency puncture withstand voltage test	IS 731:2016 / IS 2544:2006 / IS 1445: 2019 / IS 4318: 2018 / IEC 60383-1-1993 / IEC 60383-2-93 / ANSI/IEEE C29.2A/ 2020 / C29.2B/ 2013 /C29.5 / 2015

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1862	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc/Pin/Post/Solid Core Rating from 1kV To 36kV (Inclusive).	Electro Mechanical Failing Load Test	IS 731-2016 / IS 2544-2006 / IEC 60383-1-1993 / IEC 60168-2000 / IEC 60433-2021 / IEC 60575-1977
1863	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc/Pin/Post/Solid Core Ratings From 1kV To 36kV (Inclusive).	Electro Mechanical Failing Load Test	IS 731-2016 / IS 2544-2006 / IEC 60383-1-1993 / IEC 60168-2000 / IEC 60433-2021 / IEC 60575-1977
1864	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc/Pin/Post/Solid Core/ Insulator Ratings of 1kV to 36kV	Mechanical Failing Load Test:	IS 731-2016 / IS 2544-2006 / IEC 60383-1-1993 / IEC 60168-2000 / IEC 60433-2021 / IEC 60575-1977
1865	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Disc/Pin/Post/Solid Core/Hollow Insulator, Insulator Strings (All Types) Lightning Arrester Housings. Ratings upto 420kV (Inclusive).	Porosity test (on porcelain insulators)	IS 731: 2016 / IS 1445 :2019 / Withdrawn IS 3070-3 :2009 / IS 2544 :2006 / IS 5300 :2019 / IS 5621 :2009 / IEC 60168 -2000 / IEC 60305 -2021 / IEC 60383-1-1993 / IEC 60383-2-1993 / ANSI/IEEE C29-1/2018 / ANSI /IEEE C29-2A- 2020 / ANSI /IEEE C29-2B-2013 / ANSI /IEEE C29-3-2015 / ANSI /IEEE C29-4-2015 / ANSI /IEEE C29-5-2015 / ANSI /IEEE C29- 6-2015 / ANSI /IEEE C29-7-2015 / ANSI /IEEE C29-9
1866	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical materials - Magnetic materials (CRGO)	Core Loss by Epstein test & Single sheet tester	Cl. 8.1 IS 3024 - 2015 / Cl.10.6 IS 649- 2007 / IEC 60404-2 2008 / IEC 60404-3-2002
1867	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical materials - Magnetic materials (CRGO)	Ductility.	Cl.10.2 of IS 3024 2015 / IS 649 -2007
1868	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical materials - Magnetic materials (CRGO)	Magnetic polarization, permeability. By Epstein test & Single sheet tester.	Cl. 8.2 of IS 3024-2015 / Cl.10.6 & Cl.10.10 of IS 649-2007 / IEC 60404-2- 2008 / IEC 60404-3-2002 IEC 60404-3-2002
1869	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical materials - Magnetic materials (CRGO)	Stacking factor.	CL.10.1 of IS 3024-2015 / Cl.43 of IS 649-1997 RA-2018 / IEC 60404-13-2018
1870	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical materials - Magnetic materials (CRGO)	Surface insulation resistivity	Cl.9 of IS 3024-2015 / IS 649 2007 / IEC 60404-11-2012

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1871	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical materials - Magnetic materials (CRGO)	Dimensions – Length, width and thickness.	Cl.11.1 & Cl.11.6 of IS 3024 2015 / Cl. 8.1, Cl.8.2, Cl.8.3 of IS 649-2007/ IEC 60404-8-7-1995
1872	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical materials - Magnetic materials (CRNGO)	Ductility / Bend test	Cl.9.2 of IS 648-2006 RA 2018
1873	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Electrical materials - Magnetic materials (CRNGO)	Surface insulation resistivity	ICl.7.2 of S 648-2006 / IEC 60404-11-2012
1874	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Inhibited and Un inhibited insulating oils	Ageing characteristics DDF	IS 12177-1987 Method A RA 2018 / IS 335-1993(oid edition) / AST M D 1934-2020 / IS 335-2018 IEC 60296-2020
1875	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Inhibited and un Inhibited mineral Insulating oil	Ageing characteristics. Resistivity	IS 12177-1987 Method-A RA 2018 / IS 335-1993(old edition) / IS 335-2018 IEC 60296-2020 / ASTM D 1934-20202018
1876	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Inhibited and un inhibited mineral insulating oil	Oxidation stability test DDF	IS 12422-2017 / IEC 61125-2018 / IS 335-2018 / IEC 60296-2020 / ASTM D 2440-2013
1877	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Inhibited and Uninhibited mineral insulating oil	Ageing characteristics DDF at 90°C Resistivity at 27°C Resistivity at 90°C	IS 12177
1878	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Inhibited and Uninhibited mineral insulating oil	Ageing characteristics DDF at 90°C Resistivity at 27°C Resistivity at 90°C	IS 12177
1879	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Inhibited and Uninhibited mineral insulating oil	Dielectric Dissipation Factor	IS1866:2017 IEC 60422:2013/IS335:2018 IEC60296:2020/ IS 6262: 2016, IEC 60247
1880	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Inhibited and Uninhibited mineral insulating oil	Electric Strength	IS1866:2017 IEC 60422:2013/IS335:2018 IEC60296:2020/IS 6792 2013/IEC 60156
1881	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Inhibited and Uninhibited mineral insulating oil	Oxidation stability DDF at 90°C	IEC 61125
1882	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Inhibited and Uninhibited mineral insulating oil	Specific Resistance (Resistivity) at 27°C and at 90°C	IS1866:2017 IEC 60422:2013/IS335:2018/ IEC60296:2020/IS 6103 2016/ IEC 60247

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1883	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulated cables and their accessories for power systems. Connecting equipment for overhead distribution and services of rated voltage 0.6/1kV with at least one insulated core- Electrical Ageing test.	Electrical Ageing Test	NF C 33-004-1
1884	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulated cables and their accessories for power systems. Connecting equipment for overhead distribution and services of rated voltage 0.6/1kV with at least one insulated core- Electrical Ageing test.	Electrical Ageing Tests	NF C 33-004
1885	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulator Strings	Power Arc tests	IEC 61467
1886	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulator Strings	Power Arc tests	IEC 61467
1887	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulator Strings of all types upto 420kV	Voltage Distribution Test	STP-1 / Generally as per IS 2071 -1-2016 / IEC 60060-1-2010
1888	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulator strings, Post insulators, railway insulators, Long rod insulators, Isolators, Disconnectors, AB switches, Circuit Breakers, reactors, Line traps, Repair sleeves, spacers, spacer dampers, ACSR conductor & accessories - rating from 3.6kV to 400kV (Inclusive)	Corona Inception/ Extinction Test	IS 731:2016 / IS 2121 (Part 2):2018 / IS 4318:2018 / IS 398 (part 5):2018 / IS 2071-1- 2016 / IEC 60060-1- 2010 / IEC 61284-1998 / IEC 60353-2002 / IEC 62271-1-2017 / IEC 62271-102-2018 / IEC 60437-1997 / IEC 60383-1-1993 / IEC 60383-2-1993 / RDSO Spec. TI/SPC/OHE/INS/0070 / TI/SPC/OHE/POST/0100(01)/2020 / ETI/OHE/51(9/87)/1992 / ETI/PSI/117(7/88)/1988 / ET/OHE/15(9/91)/1991 / VDE 0278-628-2002 / VDE 078-629-1- 2009 / ANSI /IEEE C29-1
1889	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulator strings, Post insulators, railway insulators, Long rod insulators, Isolators, Disconnectors, AB switches, Circuit Breakers, reactors, Line traps, Repair sleeves, spacers, spacer dampers, ACSR conductor & accessories - rating from 3.6kV to 400kV (Inclusive)	Corona Inception/ Extinction Test	STP-2 / PGCILSPEC. C/ENGG/SPEC/GTR. REV.14/2017 / ANSI /IEEE C29-2A-2020 / ANSI /IEEE C29-2B- 2013 / ANSI /IEEE C29-3-2015 / ANSI /IEEE C29-4-2015 / ANSI /IEEE C29-5-2015 / ANSI /IEEE C29-6-2015 / ANSI /IEEE C29- 7-2015 / ANSI /IEEE C29-8-2017 / ANSI /IEEE C29-9:

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1890	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulators and conductor fittings for overhead power lines	Resistance Measurement	BS 3288 part 1
1891	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulators and conductor fittings for overhead power lines	Resistance Measurement	BS 3288 part 1
1892	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulators/Bushings, Circuit Breakers/Lightning Arresters, housings of CVT, C.T's, P.T's, Ceramic and Glass Insulator to be used as Outdoor exposed to Polluted Outdoor Atmosphere	Pollution performance	IS 8704- 2018 / IEC 60507- Cor 1-2018 / IEC 61109-2008 / IEEE C62.11-2020
1893	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Kraft Paper, Press Board	Degree of Polymerization	ASTM D 4243
1894	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/section Ratings From 3kV To 12kV (Inclusive)	Duty cycle test / Switching surge energy rating test/ Single Impulse Withstand rating Test	IEEE C62.11
1895	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/section Ratings From 3kV To 12kV (Inclusive)	Operating Duty test	IEC 60099-4 -2014 / IEC60099-4-2009 / IS 15086-4:2017 / Withdrawn IS 3070 (part 3):
1896	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Rating from 3kV to 12kV	Duty cycle test/Switching surge energy rating Test/ Single Impulse withstand rating Test	IEEE C62.11
1897	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Rating from 3kV to 12kV (Inclusive)	Operating Duty Test	IEC 60099-4 -2014 / IEC60099-4-2009 / IS 15086-4:2017 / Withdrawn IS 3070 (part 3):
1898	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Discharge-voltage characteristics test	IEEE C62.11
1899	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Discharge-voltage characteristics test	IEEE C62.11
1900	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Discharge-voltage characteristics test	IEEE C62.11
1901	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Discharge-voltage characteristics test	IEEE C62.11
1902	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Discharge-voltage characteristics test	IEEE C62.11

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1903	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	High current impulse Residual voltage test/ High current impulse withstand test	IEC 60099-8 Edition 2.0
1904	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	High current impulse Residual voltage test/ High current impulse withstand test	IEC 60099-8 Edition 2.0
1905	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	High-current short-duration withstand test	IEEE C62.11
1906	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	High-current short-duration withstand test	IEEE C62.11
1907	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Lightning Current Impulse Residual Voltage Test	IEC 60099-8 Edition 2.0
1908	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Lightning Current Impulse Residual Voltage Test	IEC 60099-8 Edition 2.0
1909	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Lightning Impulse Residual Voltage Test	IEC 60099-4- 2009 Edition 2.2 / IEC 60099-4- 2014 Edition 3.0 / IS 15086-4:2017 / Withdrawn IS 3070 -3:
1910	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Lightning Impulse Residual Voltage Test	IEC 60099-4- 2009 Edition 2.2 / IEC 60099-4- 2014 Edition 3.0 / IS 15086-4:2017 / Withdrawn IS 3070 -3:
1911	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Lightning Impulse Residual Voltage Test	IEC 60099-4- 2009 Edition 2.2 / IEC 60099-4- 2014 Edition 3.0 / IS 15086-4:2017 / Withdrawn IS 3070 -3:
1912	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Lightning Impulse Residual Voltage Test	IEC 60099-4-2009 Edition 2.2 / IEC 60099-4-2014 Edition 3.0 / IS 15086-4-2017 / Withdrawn IS 3070-3
1913	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Lightning Impulse Residual Voltage Test	IEC 60099-4- 2009 Edition 2.2 / IEC 60099-4- 2014 Edition 3.0 / IS 15086-4:2017 / Withdrawn IS 3070 -3:
1914	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Switching Impulse Residual Voltage Test	IEC 60099-4- 2009 Edition 2.2 / IEC 60099-4- 2014 Edition 3.0 / IS 15086-4:2017 / Withdrawn IS 3070 -3:

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1915	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Switching Impulse Residual Voltage Test	IEC 60099-4- 2009 Edition 2.2 / IEC 60099-4- 2014 Edition 3.0 / IS 15086-4:2017 / Withdrawn IS 3070 -3
1916	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Switching Impulse Residual Voltage Test	IEC 60099-4- 2009 Edition 2.2 / IEC 60099-4- 2014 Edition 3.0 / IS 15086-4:2017 / Withdrawn IS 3070 -3:
1917	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive) Lightning arrester units Ratings From 9kV To 400kV (Inclusive)	Switching Impulse Residual Voltage Test	IEC 60099-4- 2009 Edition 2.2 / IEC 60099-4- 2014 Edition 3.0 / IS 15086-4:2017 / Withdrawn IS 3070 -3:
1918	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive)	Long Duration current Impulse Withstand Test	IEC 60099-4- 2009 Edition 2.2 / Withdrawn IS 3070-3
1919	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive)	Long Duration current Impulse Withstand Test	IEC 60099-4- 2009 Edition 2.2 / Withdrawn IS 3070-3
1920	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive)	Low current long duration withstand test/Temporary overvoltage (TOV) test	IEEE C62.11
1921	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive)	Low current long duration withstand test/Temporary overvoltage (TOV) test	IEEE C62.11
1922	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive)	Power frequency voltage versus time characteristics of an arrester	IEC 60099-4- 2009 Edition 2.2 / Withdrawn IS 3070-3
1923	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive)	Power frequency voltage versus time characteristics of an arrester	IEC 60099-4- 2009 Edition 2.2 / Withdrawn IS 3070-3
1924	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive)	Power frequency voltage versus time test	IEC 60099-4-2014 Edition 3.0 / IS 15086-4 / 2017
1925	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive)	Power frequency voltage versus time test	IEC 60099-4-2014 Edition 3.0 / IS 15086-4 / 2017
1926	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive)	Steep Current Impulse Residual Voltage Test	IEC 60099-4-2009 Edition 2.2 / IEC 60099-4-2014 Edition 3.0 / IS 15086-4:2017 / Withdrawn IS 3070-3 / 2009

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1927	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive)	Steep Current Impulse Residual Voltage Test	IEC 60099-4-2009 Edition 2.2 / IEC 60099-4-2014 Edition 3.0 / IS 15086-4:2017 / Withdrawn IS 3070-3 / 2009
1928	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive)	Test to verify Repetitive charge transfer rating	IEC 60099-4- 2014 Edition 3.0 / IS 15086-4 / 2017
1929	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 12kV (Inclusive)	Test to verify Repetitive charge transfer rating	IEC 60099-4- 2014 Edition 3.0 / IS 15086-4 / 2017
1930	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 8kV (Inclusive)	Accelerated ageing test	IEC 60099-4-2009 Edition 2.2 / Withdrawn IS 3070-3:2009 / IEC 60099-8 Edition 1.0 / 2017
1931	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 8kV (Inclusive)	Accelerated aging test of varistors	IEEE C62.11
1932	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester Blocks/sections Ratings From 3kV To 8kV (Inclusive)	Test to verify Long Term Stability under continuous operating voltage	IEC 60099-4-2014 Edition 3.0 / IS 15086-4 / 2017
1933	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester units Ratings From 3kV To 400kV (Inclusive)	Heat dissipation behavior verification of the test sample	IEC 60099-4-2014 / IS 15086-4 / 2017
1934	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester units Ratings From 3kV To 400kV (Inclusive)	Test to verify thermal equivalency between complete arrester and arrester section.	IEC 60099-4-2009 Edition 2.2 / Withdrawn IS 3070-3 / 2009
1935	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester/unit/ block Ratings From 3kV To 1200kV (Inclusive)	Measurement of reference Voltage	IEC 60099-4- 2009 Edition 2.2 / IEC 60099-4-2014 Edition 3.0 / IS 15086-4 -2017 / Withdrawn IS 3070-3-2009 / IEC 60099-8-2017 Edition 1.0 / IEEE C62.11
1936	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester/unit/ block Ratings From 3kV To 1200kV (Inclusive)	Measurement of reference Voltage	IEC 60099-4- 2009 Edition 2.2 / IEC 60099-4-2014 Edition 3.0 / IS 15086-4 -2017 / Withdrawn IS 3070-3-2009 / IEC 60099-8-2017 Edition 1.0 / IEEE C62.11:
1937	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester/unit/ block Ratings From 3kV To 1200kV (Inclusive)	Power loss Measurement	IEC 60099-4-2009 Edition 2.2 / IEC 60099-4-2014 Edition 3.0 / IS 15086-4 -2017 / Withdrawn IS 3070-3 :2009 / IEC 60099-8-2017 Edition 1.0 / IEEE C62.11

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1938	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester/unit/ block Ratings From 3kV To 1200kV (Inclusive)	Power loss Measurement	IEC 60099-4-2009 Edition 2.2 / IEC 60099- 4-2014 Edition 3.0 / IS 15086-4 -2017 / Withdrawn IS 3070-3 :2009 / IEC 60099-8-2017 Edition 1.0 / IEEE C62.11:
1939	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester/unit/ block Ratings From 3kV To 1200kV (Inclusive)	Resistive / leakage current Measurement	IEC 60099-4-2009 Edition 2.2 / IEC 60099-4-2014 Edition 3.0 / IS 15086-4 -2017 / Withdrawn IS 3070-3 :2009 / IEC 60099-8-2017 Edition 1.0 / IEEE C62.11: 2020
1940	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Lightning arrester/unit/ block Ratings From 3kV To 1200kV (Inclusive)	Resistive / leakage current Measurement	IEC 60099-4-2009 Edition 2.2 / IEC 60099-4-2014 Edition 3.0 / IS 15086-4 -2017 / Withdrawn IS 3070-3 :2009 / IEC 60099-8-2017 Edition 1.0 / IEEE C62.11: 2020
1941	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Oil, solid and powder samples	Thermal conductivity	IS022007-2-2015
1942	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric Insulation Viz. PE, PP, HDPE and allied materials	Permittivity & Dissipation Factor	ASTM D 150-2018 / IS 4486:1967 RA-2018
1943	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric insulator/ Composite insulator - core material, Disc/Pin/Post/ Insulating Materials. Ratings From 1kV To 400kV (Inclusive)	Water diffusion test	IEC 62217- 2017 / IEC 61462 -2007
1944	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric insulator/ Composite insulator- core material, Disc/Pin/Post/ Insulating Materials. Ratings From 1kV To 400kV (Inclusive)	Dye penetration Test	IEC 62217- 2017 / IEC 61462-2007
1945	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric insulator/ Composite insulator- core material, Disc/Pin/Post/ Insulating Materials. Ratings From 1kV To 400kV (Inclusive)	Mechanical failing load test	IEC 62217-2012 / IEC 61109 -2008 / IEC 60383-1-1993
1946	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric insulator/ Composite insulator-Core material (T&C, Long rod & B&S) Ratings From 1kV To 400kV (Inclusive)	Sudden Load release test	IEC 62217-2017 / IEC 61109-2008
1947	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric insulator/ Composite insulator-core material, Disc/Pin/Post/ Insulating Materials, Hollow Insulator. Rating 1kV to 400kV (Inclusive)	Water Immersion test	IEC 62217-2012 / IEC 61462-2007 / IEC 61109-2008 / IEC 62231-2015 / ANSI/IEEE C29.13-2018
1948	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric insulators from 1kV to 145kV	Assembled core load time test	IEC 61109- 2008 / IEC 62217-2012

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1949	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric insulators from 1kV to 145kV	Assembled core load time test	IEC 61109-2008 / IEC 62217-2012
1950	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric insulators from 1kV to 145kV	Damage limit proof test.	IEC 61109- 2008 / IEC 62217-2012
1951	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric insulators from 1kV to 145kV	Damage limit proof test.	IEC 61109-2008 / IEC 62217-2012
1952	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric Materials	Coefficient of Linear Thermal Expansion by TMA (Up to 900°C)	ASTM E 831
1953	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric Materials	Compositional Analysis by TGA	ASTM E 1131
1954	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric Materials	FTIR Spectrometric analysis	ASTM E 1252 -98
1955	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric Materials	Glass Transition Melting Temperature by DSC	ASTM D 3418
1956	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric Materials	Thermal Analysis – Decomposition by TGA up to 1000°C	ASTM D 3850
1957	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymeric/ Composite/ Ceramic or glass insulator Disc/Pin/Post/hollow Insulating Materials. Ratings up To 400kV (Inclusive).	Steep front impulse voltage test	IEC 61109-2008 / IEC 62217-2012 / IEC 61462 -2007 / CIGRE 23-07 / CAN/CSA C411.1 M89 / RDSO SPEC 4318:1998 / PGCIL spec : CC/ENGG/TL/STD/SPEC./COMP.INSU./R0 / RDSO Spec. TI/SPC/OHE/INSCOM/1071 Rev.01 / IEC 62231-2006

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1958	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Dielectric tests	IS 2026-1 2011 / IS 2026-2:2015 / IS 2026-3:2014 / IS 2026-4:2011 / IS 2026-5:2011 / IEC 60076-1 2011 / IEC 60076-2 2011 / IEC 60076-3 2013 / IEC 60076-5 2006 / IEC 60076-11 2004 / IS 1180-1 2014 / IS 11171 2011 / IS 12021 2005 / IEEE C57.12.90 2010 / IEEE C57.12.20 2011 / IEEE C57.12.00 / 2015
1959	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Induced over voltage withstand	IS 2026-1 2011 , IS 2026-2 2015, IS 2026-3 2014, IS 2026-4 2011, IS 2026-5 2011, IEC 60076-1 2011, IEC 60076-2 2011, IEC 60076-3 2013, IEC 60076-5 2006, IEC 60076-11 2004, IS 1180-1 2014, IS 11171 2011, IS 12021 2005, IEEE std C57.12.90 2010, IEEE std C57.12.202011, IEEE std C57.12.00
1960	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Induced over voltage withstand	IS 2026-1 2011, IS 2026-2 2015, IS 2026-3 2014, IS 2026-4 2011, IS 2026-5 2011, IEC 60076-1 2011, IEC 60076-2 2011, IEC 60076-3 2013, IEC 60076-5 2006, IEC 60076-11 2004, IS 1180-1 2014, IS 11171 2011, IS 12021 2005, IEEE std C57.12.90 2010, IEEE std C57.12.20 2011, IEEE std C57.12.00
1961	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Power transformers Distribution transformers(Non Sealed & Sealed) Dry type Power transformers Control Transformers	Measurement of insulation resistance	IS 2026-1 2011, IS 2026-2 2015, IS 2026-3 2014, IS 2026-4 2011, IS 2026 2011, IEC 60076-1 2011, IEC 60076-2 2011, IEC 60076-3 2013, IEC60076-5 2006,IEC 60076-11 2004, IS 1180-1 2014, IS 11171 2011, IS 12021 2005, IEEE std C57.12.90 2010, IEEE std C57.20 2011, IEEE std C57.12.00

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1962	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Solid Insulating Materials for Cable Insulation, Sheath, Armour	Tensile Strength & Elongation	IEC 60840-2020 / IEC 60811-505-2012 / IS 7098 pt-1:1988 (RA-2020) / IS 7098 pt-2:2011 (RA- 2016) / IEC 60502-2:2014 / IEC 60502-1:2021 / IS 3975:1999 (RA- 2014) / IS 1554 pt-1:1988 (RA- 2020) / IS 1554- pt-2:1988 (RA-2020) / IS 10810- pt-37:1984 (RA-2016) / IS 10810 pt-7:1984 RA-2016
1963	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Switchgear Equipment with Control unit	Control electronic element surge withstand capability (SWC) test	IEC 62271-111-2019 / IEEE C37.60-2012
1964	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED lamps and luminaries	Insulation resistance	Cl.8.1, IS 16102
1965	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for led modules	Circuit Power Factor	IS 16104 : 2012 (Cl. 9) RA:
1966	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for led modules	Endurance	IS 16104 : 2012 (Cl. 13) RA:
1967	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for led modules	Operational Tests for Abnormal Condition	IS 16104 : 2012 (Cl. 12) RA:
1968	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for led modules	Operational Tests for Abnormal Condition	IS 16104 : 2012 (Cl. 12) RA:
1969	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for led modules	Operational Tests for Abnormal Condition	IS 16104 : 2012 (Cl. 12) RA:
1970	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for led modules	Operational Tests for Abnormal Condition	IS 16104 : 2012 (Cl. 12) RA:
1971	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for led modules	Output Voltage and Current	IS 16104 : 2012 (Cl. 7) RA:
1972	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for led modules	Output Voltage and Current	IS 16104 : 2012 (Cl. 7) RA:

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1973	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for led modules	Supply Current	IS 16104 : 2012 (Cl. 10) RA:
1974	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for led modules	Total Circuit Power	IS 16104 : 2012 (Cl. 8) RA:
1975	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for led modules	Verification of Marking	IS 16104 : 2012 (Cl. 6) RA:
1976	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	ENDURANCE TEST AND THERMAL TEST	IS 10322 part 1
1977	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	INSULATION RESISTANCE AND ELECTRIC STRENGTH	IS 10322 part 1
1978	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	PROTECTION AGAINST ELECTRIC SHOCK	IS 10322 part 1
1979	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	RESISTANCE TO HEAT, FIRE AND TRACKING	IS 10322 part 1
1980	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Construction	IS 15885 (Part 1):2011 (Cl.15) / IEC 61347-1
1981	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Creepage Distances and Clearances	IS 15885 (Part 1&2):2011 +A1:2015 (Cl. 16 and 17) / IEC 61347-1
1982	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Electric Strength	IS 15885 (Part 1):2011 +A1:2015 (Cl.12) / IEC 61347-1
1983	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Electric Strength	IS 15885 (Part 1):2011 +A1:2015 (Cl.12) / IEC 61347-1
1984	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Fault Condition	IS 15885 (Part 1 & 2):2011 +A1:2015 (Cl.14) / IEC 61347-1
1985	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Moisture Resistance and Insulation	IS 15885 (Part 1 & 2):2011+ A1:2015 (Cl.11) / IEC 61347-1
1986	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Moisture Resistance and Insulation	IS 15885 (Part 1& 2):2011+ A1:2015 (Cl.11) / IEC 61347-1

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1987	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Moisture Resistance and Insulation	IS 15885 (Part 1&2):2011+ A1:2015 (Cl.11) / IEC 61347-1
1988	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Moisture Resistance and Insulation	IS 15885 (Part 1&2):2011+ A1:2015 (Cl.11) / IEC 61347-1
1989	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Protection against Accidental Contact Against Live Parts	IS 15885 (Part 1):2011+ A1:2015 (Cl.10) / IEC 61347-1 / IS 15882-2 Cl.8
1990	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Provision for Protective Earthing	IS 15885 (Part 1):2011 +A1:2015 (Cl. 9) / IEC 61347-1 / IS 15885-2 Cl.10
1991	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Resistance to Corrosion	IS 15885 (Part 1): 2011+A1:2015 (Cl. 19) / IEC 61347-1 / IS 15885-2 Cl.20
1992	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Resistance to Heat, Fire and Tracking	IS 15885 (Part 1):2011 +A1:2015 (Cl. 18) / IEC 61347-1
1993	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Resistance to Heat, Fire and Tracking	IS 15885 (Part 1):2011 +A1:2015 (Cl. 18) / IEC 61347-1
1994	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Resistance to Heat, Fire and Tracking	IS 15885 (Part 1):2011 +A1:2015 (Cl. 18) / IEC 61347-1
1995	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Resistance to Heat, Fire and Tracking	IS 15885 (Part 1):2011 +A1:2015 (Cl. 18) / IEC 61347-1
1996	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Resistance to Heat, Fire and Tracking	IS 15885 (Part 1):2011 +A1:2015 (Cl. 18) / IEC 61347-1
1997	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Resistance to Heat, Fire and Tracking	IS 15885 (Part 1):2011 +A1:2015 (Cl. 18) / IEC 61347-1
1998	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Resistance to Heat, Fire and Tracking	IS 15885 (Part 1):2011 +A1:2015 (Cl. 18) / IEC 61347-1 / IS 15885-2 Cl.19
1999	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Resistance to Heat, Fire and Tracking	IS 15885 (Part 1):2011 +A1:2015 (Cl. 18) / IEC 61347-1 / IS 15885-2 Cl.19
2000	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Resistance to Heat, Fire and Tracking	IS 15885 (Part 1):2011 +A1:2015 (Cl. 18) / IEC 61347-1 / IS 15885-2 Cl.19

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2001	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Thermal Test for Windings of Ballast	IS 15885 (Part 1):2011+ A1:2015 (Cl.13) / IEC 61347-1
2002	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Verification of Marking	IS 15885 (Part 1):2011+ A1:2015 (Cl.7) / IEC 61347-1
2003	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Verification of Screws, current carrying parts and connections	IS 15885 (Part 1):2011+A1:2015 (Cl. 17) / IEC 61347-1 / IS 15885-2 Cl.18
2004	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gear	Verification Terminals	IS 15885 (Part 1):2011+ A1:2015 (Cl.8) / IEC 61347-1 / IS 15885-2 Cl.9
2005	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Creepage Distances and Clearances	Cl 17of IS 15885 (Part 2/Sec 13) :2012 RA:
2006	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Electric Strength	Cl 12 of IS 15885 (Part 2/Sec 13) :2012 RA
2007	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Electric Strength	Cl 12 of IS 15885 (Part 2/Sec 13) :2012 RA:
2008	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Fault Condition	Cl 14 of IS 15885 (Part 2/Sec 13) :2012 RA:
2009	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Moisture Resistance and Insulation	Cl 11 of IS 15885 (Part 2/Sec 13) :2012 RA:
2010	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Moisture Resistance and Insulation	Cl 11 of IS 15885 (Part 2/Sec 13) :2012 RA:
2011	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Moisture Resistance and Insulation	Cl 11 of IS 15885 (Part 2/Sec 13) :2012 RA:
2012	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Moisture Resistance and Insulation	Cl 11 of IS 15885 (Part 2/Sec 13) :2012 RA:
2013	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Protection against Accidental Contact Against Live Parts	Cl 8 of IS 15885 (Part 2/Sec 13) :2012 RA:
2014	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Provision for Protective Earthing	Cl 10 of IS 15885 (Part 2/Sec 13) :2012 RA:

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2015	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Resistance to Corrosion	Cl 20 of IS 15885 (Part 2/Sec 13) :2012 RA:
2016	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Resistance to Heat, Fire and Tracking	Cl 19 of IS 15885 (Part 2/Sec 13) :2012 RA:
2017	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Resistance to Heat, Fire and Tracking	Cl 19 of IS 15885 (Part 2/Sec 13) :2012 RA
2018	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Resistance to Heat, Fire and Tracking	Cl 19 of IS 15885 (Part 2/Sec 13) :2012 RA
2019	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Resistance to Heat, Fire and Tracking	Cl 19 of IS 15885 (Part 2/Sec 13) :2012 RA
2020	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Resistance to Heat, Fire and Tracking	Cl 19 of IS 15885 (Part 2/Sec 13) :2012 RA
2021	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Resistance to Heat, Fire and Tracking	Cl 19 of IS 15885 (Part 2/Sec 13) :2012 RA
2022	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Resistance to Heat, Fire and Tracking	Cl 19 of IS 15885 (Part 2/Sec 13) :2012 RA
2023	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Terminals	Cl 9 of IS 15885 (Part 2/Sec 13) :2012 RA
2024	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Transformer Heating	Cl 15 of IS 15885 (Part 2/Sec 13) :2012 RA
2025	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Verification of Construction	Cl 16 of IS 15885 (Part 2/Sec 13) :2012 RA
2026	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Verification of Marking	Cl 7 of IS 15885 (Part 2/Sec 13) :2012 RA
2027	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control Gears (d.c. or a.c. Supplied Electronic Control gear for LED Modules)	Verification of Screws, current carrying parts and connections	Cl 18 of IS 15885 (Part 2/Sec 13) :2012 RA
2028	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps and Luminaires	Verification of Marking	IS 16107 (Part 2/Sec 1): 2012 (Cl.4) / IEC 62722-2-1

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2029	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Cap temperature rise	Cl 11 of IS 15111 : PART 1 : 2002 (REAFFIRMED 2017)
2030	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Cap temperature rise	Cl 11 of IS 15111 : PART 1 : 2002 (REAFFIRMED 2017)
2031	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Fault conditions	Cl 14 of IS 15111 : PART 1 : 2002 (REAFFIRMED 2017)
2032	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Insulation treatment And Electric Strength After Humidity treatment	Cl 9 of IS 15111 : PART 1 : 2002 (REAFFIRMED 2017)
2033	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Insulation treatment And Electric Strength After Humidity treatment	Cl 9 of IS 15111 : PART 1 : 2002 (REAFFIRMED 2017)
2034	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Insulation treatment And Electric Strength After Humidity treatment	Cl 9 of IS 15111 : PART 1 : 2002 (REAFFIRMED 2017)
2035	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Insulation treatment And Electric Strength After Humidity treatment	Cl 9 of IS 15111 : PART 1 : 2002 (REAFFIRMED 2017)
2036	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Interchangeability	Cl 7 of IS 15111 : PART 1 : 2002 (REAFFIRMED 2017)
2037	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Mechanical Strength	Cl 7 of IS 15111 : PART 1 : 2002 (REAFFIRMED 2017)
2038	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Protection against Accidental contact with live parts	Cl 8 of IS 15111 : PART 1 : 2002 (REAFFIRMED 2017)
2039	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Resistance to flame and ignition	Cl 13 of IS 15111 : PART 1 : 2002 (REAFFIRMED 2017)
2040	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Resistance to flame and ignition	IS 15111 (Part 1):2014 (Cl.13) IEC 60968, Ed 3.0
2041	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Resistance to Heat	IS 15111 (Part 1):2002+ A1: 2003 +A2:2007 +A3:2008 +A4:2010 +A5:2014 (Cl.12) / IEC 60968, Ed 3.0 , Cl.12

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2042	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Resistance to Heat	IS 15111 (Part 1):2014 (Cl.12) IEC 60968, Ed 3.0 (Cl.12): 2015
2043	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps for General Lighting Services	Verification of Marking	IS 15111 (Part 1):2014 (Cl.6) IEC 60968, Ed 3.0 (Cl.6)
2044	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights	Moisture Resistance/Humidity Test/Resistance to dust and Moisture/Moisture resistance & insulation/Insulation resistance and Electric strength after Humidity treatment	IS 10322 (Part 1):2014 (Cl. 9.3) / IS 10322 (Part 5/Sec I) :2012 (Cl.14) / IS 10322 (Part 5/Sec 3) :2012 (Cl.14) / IS 10322(Part 5/Sec 5) (Cl. 14)
2045	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights	Moisture Resistance/Humidity Test/Resistance to dust and Moisture/Moisture resistance & insulation/Insulation resistance and Electric strength after Humidity treatment	IS 10322 (Part 1):2014 (Cl. 9.3) / IS 10322 (Part 5/Sec I) :2012 (Cl.14) / IS 10322 (Part 5/Sec 3) :2012 (Cl.14) / IS 10322(Part 5/Sec 5) (Cl. 14
2046	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Resistance to Dust, Solid Objects and Moisture. Insulation Resistance test , Electric Strength test.	IS 10322 Part 1: 2014 RA 2019 Cl. Section 9, 10.2.1, 10.2.2
2047	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	: Insulation resistance and Electric strength	IS 10322 : PART 1 Sec 10
2048	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Ball Pressure Test (Clause No.13)/ Resistance to heat, fire and tracking/resistance to heat	IS 10322 (Part 1):2014 (Cl. 13.2) / IS 10322 (Part 5/Sec I) :2012 (Cl. 16) / IS 10322 (Part 5/Sec 3:2012) (Cl.16) / IS 10322(Part 5/Sec 5) (Cl. 16)
2049	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Ball Pressure Test (Clause No.13)/ Resistance to heat, fire and tracking/resistance to heat	IS 10322 (Part 1):2014 (Cl. 13.2) / IS 10322 (Part 5/Sec I) :2012 (Cl. 16) / IS 10322 (Part 5/Sec 3:2012) (Cl.16) / IS 10322(Part 5/Sec 5) (Cl. 16)
2050	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Ball Pressure Test (Clause No.13)/ Resistance to heat, fire and tracking/resistance to heat	IS 10322 (Part 1):2014 (Cl. 13.2) / IS 10322 (Part 5/Sec I) :2012 (Cl. 16) / IS 10322 (Part 5/Sec 3:2012) (Cl.16) / IS 10322(Part 5/Sec 5) (Cl. 16)

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2051	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Ball Pressure Test, Resistance to heat, fire and tracking/resistance to heat	IS 10322 (Part 1) (Cl. 13.2) / IS 10322 (Part 5/Sec I) :2012 (Cl. 16) / IS 10322 (Part 5/Sec 3:2012) (Cl.16) / IS 10322(Part 5/Sec 5) :2013 (Cl. 16)
2052	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	CREEPAGE DISTANCES AND CLEARANCES	IS 10322 part 1
2053	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Insulation resistance & electrical strength	CL 14 ,CL 15 IS 10322 : PART 5 2013 RA
2054	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Insulation resistance & electrical strength	cl 21.15 IS 10322 PART 5 SEC 5 2013 RA
2055	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Insulation Resistance Test/ Insulation resistance and electric strength/Moisture resistance and Insulation/Insulation resistance and electric strength after Humidity treatment	IS 10322 (Part 1) :2014 (Cl. 10) / IS 10322 (Part 5/Sec I) :2012 (Cl.15) / IS 10322 (Part 5/Sec 3) :2012 (Cl.15) / IS 10322(Part 5/Sec 5) (Cl. 15)
2056	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Insulation Resistance Test/ Insulation resistance and electric strength/Moisture resistance and Insulation/Insulation resistance and electric strength after Humidity treatment	IS 10322:2014 (Part 1) (Cl. 10) / IS 10322 (Part 5/Sec I) :2012 (Cl.15) / IS 10322 (Part 5/Sec 3) :2012 (Cl.15) / IS 10322(Part 5/Sec 5) (Cl. 15)
2057	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Insulation Resistance Test/ Insulation resistance and electric strength/Moisture resistance and Insulation/Insulation resistance and electric strength after Humidity treatment Electric Strength Test/ Insulation resistance and electric strength/ Electric strength	IS 10322 (Part 1) (Cl. 10) / IS 10322 (Part 5/Sec I) :2012 (Cl. 15) / IS 10322 (Part 5/Sec 3) :2012 (Cl.15) / IS 10322(Part 5/Sec 5) :2013 (Cl. 15)

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2058	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Insulation Resistance Test/ Insulation resistance and electric strength/Moisture resistance and Insulation/Insulation resistance and electric strength after Humidity treatment Electric Strength Test/ Insulation resistance and electric strength/ Electric strength	IS 10322 (Part 1):2014 (Cl. 10) / IS 10322 (Part 5/Sec I) :2012 (Cl. 15) / IS 10322 (Part 5/Sec 3) :2012 (Cl.15) / IS 10322(Part 5/Sec 5) (Cl. 15)
2059	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Insulation Resistance Test/ Insulation resistance and electric strength/Moisture resistance and Insulation/Insulation resistance and electric strength after Humidity treatment Electric Strength Test/ Insulation resistance and electric strength/ Electric strength	IS 10322 (Part 1):2014 (Cl. 10) / IS 10322 (Part 5/Sec I) :2012 (Cl.15) / IS 10322 (Part 5/Sec 3) :2012 (Cl.15) / IS 10322(Part 5/Sec 5) (Cl. 15)
2060	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Moisture Resistance/Humidity Test/Resistance to dust and Moisture/Moisture resistance & insulation/Insulation resistance and Electric strength after Humidity treatment	IS 10322 (Part 1) :2014 (Cl. 9.3) / IS 10322 (Part 5/Sec I) :2012 (Cl.14) / IS 10322 (Part 5/Sec 3) :2012 (Cl.14) / IS 10322(Part 5/Sec 5) (Cl. 14)
2061	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Moisture Resistance/Humidity Test/Resistance to dust and Moisture/Moisture resistance & insulation/Insulation resistance and Electric strength after Humidity treatment	IS 10322 (Part 1) :2014 (Cl. 9.3) / IS 10322 (Part 5/Sec I) :2012 (Cl.14) / IS 10322 (Part 5/Sec 3) :2012 (Cl.14) / IS 10322(Part 5/Sec 5) :2013 (Cl. 14)
2062	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Moisture Resistance/Humidity Test/Resistance to dust and Moisture/Moisture resistance & insulation/Insulation resistance and Electric strength after Humidity treatment	IS 10322 (Part 1):2014 (Cl. 9.3) / IS 10322 (Part 5/Sec I) :2012 (Cl.14) / IS 10322 (Part 5/Sec 3) :2012 (Cl.14) / IS 10322(Part 5/Sec 5) (Cl. 14)
2063	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Protection against Accidental Contact with live parts/Protections against electric shock	IS 10322 (Part 1) : (Cl. 8)
2064	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Protection against Accidental Contact with live parts/Protections against electric shock	IS 10322 (Part 1) : (Cl. 8) / IS10322(Part 5/Sec I) (Cl. 12) / IS10322 (Part 5/Sec 3) (Cl.12) / IS10322(Part 5/Sec 5) (Cl.12)

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2065	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Protection against Accidental Contact with live parts/Protections against electric shock	IS 10322 (Part 1) :2014 (Cl. 8) / IS10322(Part 5/Sec I) (Cl. 12) / IS10322 (Part 5/Sec 3) (Cl.12) / IS10322(Part 5/Sec 5) (Cl.12)
2066	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Protection against Accidental Contact with live parts/Protections against electric shock	IS 10322 (Part 1) :2014 (Cl. 8) / IS10322(Part 5/Sec I) :2012 (Cl. 12) / IS10322 (Part 5/Sec 3) :2012 (Cl.12) / IS10322(Part 5/Sec 5) (Cl.12)
2067	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	PROVISION FOR EARTHING	IS 10322 part 1
2068	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Provision for Protective Earthing/ Provision for Earthing	IS 10322 (Part 1) :2014 (Cl. 7) / IS 10322 (Part 5/Sec I) :2012 (Cl. 9) / IS10322(Part 5/Sec 3) :2012 (Cl.9) / IS10322(Part 5/Sec 5) (Cl.9)
2069	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE	SEC 9 IS 10322 : PART 1
2070	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Thermal and Endurance Test/ Endurance test and thermal test/ Thermal endurance test for windings of ballasts	IS 10322 (Part 1):2014 (Cl. 12) / IS 10322 (Part 5/Sec I) :2012 (Cl.13) / IS 10322 (Part 5/Sec 3) :2012 (Cl.13) / IS 10322(Part 5/Sec 5) (Cl. 13)
2071	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Verification of Marking	IS 10322 (Part 1) (Cl. 3)
2072	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Verification of Marking	IS 10322 (Part 1):2014 (Cl. 3) / IS 10322(Part 5/Sec I) :2012 (Cl.6) / IS10322(Part 5/Sec 3):2012 (Cl.6) / IS10322(Part 5/Sec 5) (Cl.6
2073	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamps, Luminaries And Accessories (Fixed General Purpose Luminaries, Luminaires For Road And Street Lighting, Flood Lights)	Verification of Provision for Protective Earthing/ Provision for Earthing	IS 10322 (Part 1) :2014 (Cl. 7) / IS 10322 (Part 5/Sec I) :2012 (Cl. 9) / IS10322(Part 5/Sec 3) :2012 (Cl.9) / IS10322(Part 5/Sec 5) :2013 (Cl.9)
2074	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED lamps and luminaries	Protection against accidental contact with line parts	Cl.7, IS 16102- Part 1,2012
2075	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED lamps and luminaries	Bending moment, Axial pull test and mass.	IS 16102 part 1 Cl. 6.2

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2076	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Lamps and Luminaires	Cap temperature rise	Cl 11 of IS 15111 : PART 1 : 2002 (REAFFIRMED 2017)
2077	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED lamps and luminaries	Cap temperature	Cl.10, IS 16102- Part 1
2078	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED lamps and luminaries	Electrical strength	C1.8.2, IS 16102- 1
2079	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Lamps and luminaries	Harmonics	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012/ (Cl. 14) / IEC 60969
2080	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED lamps and luminaries	Resistance to flame and ignition	C1.12, IS 16102- Part 1
2081	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED lamps and luminaries	Torsional resistance of unused lamps	Cl.9, IS 16102- 1
2082	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires	Insulation resistance Test, Electric strength test	cl 10.2.2 IEC:60598-1. 2014(Withdrawn) amd
2083	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE	cl 21.14 IEC 60598-1 2014(Withdrawn) amd
2084	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE	cl 21.14 sec 60598-1 2014(Withdrawn) amd
2085	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE	CL10.2.1 IEC:60598-1 2014(Withdrawn) amd
2086	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE,	SEC 9 IS 10322 : PART 1
2087	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires	Test – Insulation resistance, Test – Electric strength	cl 10.2.2 IEC:60598-1. 2014(Withdrawn) amd
2088	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Insulation resistance & electrical strength	CL 14 ,CL 15 IS 10322 : PART 5 2013 RA

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2089	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Insulation resistance & electrical strength	Cl 21.15 IS 10322 PART 5 SEC 5 2013 RA
2090	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Insulation resistance and Electric strength	IS 10322 : PART 1 Sec 10
2091	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps for General lighting Services	Creepage Distance and Clearances	IS 16102 (Part 1), Clause. 14
2092	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps for General lighting Services	Fault Condition	IS 16102 (Part 1), Clause. 13
2093	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LED Lamps for General lighting Services	Verification of marking	IS 16102 (Part 1), Clause. 5
2094	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED	Verification of Marking	IS16012-2 Cl.5
2095	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF BALLASTED LED LAMPS	DIMENSIONS	IS 16102-2, Cl.6
2096	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF BALLASTED LED LAMPS	HARMONICS	IS 16102 -2 CL. 8.3
2097	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF BALLASTED LED LAMPS	POWER FACTOR	IS 16102-2, Cl.8.2
2098	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Creepage distances Clearances	IS 16102 (Part 1):2012+A1: 2015+A2:2015 (Cl.14) / IEC 62560
2099	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Endurance	IS 16102 (Part 2):2017 Cl 11.3 / IEC 62612 ,Cl. 11.3
2100	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Endurance	IS 16102 (Part 2):2017 Cl 11.3 / IEC 62612 Cl. 11.3
2101	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Endurance	IS 16102 (Part 2):2017 Cl 11.3 / IEC 62612 ,Cl. 11.3
2102	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560

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2103	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2104	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2105	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2106	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2107	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2108	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2109	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2110	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2111	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2112	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2113	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2114	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2115	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2116	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560

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2117	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2118	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2119	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2120	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2121	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Fault conditions	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.13) / IEC 62560
2122	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Insulation treatment And Electric Strength After Humidity treatment	IS 16102 (Part 1):2012 +A1:2015+A2:2015 (Cl.8) / IEC 62560 (Cl.8)
2123	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Insulation treatment And Electric Strength After Humidity treatment	IS 16102 (Part 1):2012 +A1:2015+A2:2015 (Cl.8) / IEC 62560 (Cl.8)
2124	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Insulation treatment And Electric Strength After Humidity treatment	IS 16102 (Part 1):2012 +A1:2015+A2:2015 (Cl.8) / IEC 62560 (Cl.8)
2125	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Insulation treatment And Electric Strength After Humidity treatment	IS 16102 (Part 1):2012 +A1:2015+A2:2015 (Cl.8) / IEC 62560 (Cl.8)
2126	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Insulation treatment And Electric Strength After Humidity treatment	IS 16102 (Part 1):2012 +A1:2015+A2:2015 (Cl.8) / IEC 62560 : (Cl.8)
2127	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Marking	IS 16102 (Part 1):2012 +A1:2015+A2:2015 (Cl.5) / IEC 62560 cl.5
2128	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Mechanical strength	IS 16102 (Part 1):2012 +A1:2015+A2:2015 (Cl.9) / IEC 62560
2129	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Resistance to flame and ignition	IS 16102 (Part 1):2012 +A1:2015+A2:2015 (Cl.12) / IEC 62560
2130	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Resistance to flame and ignition	IS 16102 (Part 1):2012 +A1:2015+A2:2015 (Cl.12) / IEC 62560

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2131	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Resistance to flame and ignition	IS 16102 (Part 1):2012 +A1:2015+A2:2015 (Cl.12) / IEC 62560
2132	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Resistance to Heat	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.11) / IEC 62560
2133	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self Ballasted LEDLamps for General Lighting Services	Resistance to Heat	IS 16102 (Part 1):2012+ A1:2015+A2:2015 (Cl.11) / IEC 62560
2134	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	SELF BLLASTED LED	LAMP POWER	IS 16102-2, Cl.8.1
2135	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Lamps for General lighting Services	Dimension	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 + A4:2004+A5:2005 +A6:2008+A7:2009+A8 :2012(Cl.6) / IEC 60969
2136	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Lamps for General lighting Services	Lamp Wattage	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012 (Cl. 9) / IEC 60969
2137	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Lamps for General lighting Services	Lamp Wattage	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012 (Cl. 9) / IEC 60969
2138	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Lamps for General lighting Services	Lamp Wattage	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012 (Cl. 9) / IEC 60969
2139	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Lamps for General lighting Services	Power Factor	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012 (Cl. 16) / IEC 60969
2140	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Lamps for General lighting Services	Power Factor	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012 (Cl. 16) / IEC 60969

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2141	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General lighting	Dimensions	IS 16103 (Part 2):2012,Cl.5 / IEC 62717, Cl.5
2142	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General lighting	Endurance	IS 16103 (Part 2):2012 Cl.10.3 / IEC 62717, Cl.10.3
2143	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General lighting	Information for Luminaire Design	IS 16103 (Part 2):2012 Cl. 12 / IEC 62717,Cl. 12
2144	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General lighting	Module Power	IS 16103(Part 2): 2012,Cl.7 / IEC 62717, Cl.7
2145	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General lighting	Module Power	IS 16103(Part 2): 2012,Cl.7 / IEC 62717, Cl.7
2146	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General lighting	Module Power	IS 16103(Part 2): 2012,Cl.7 / IEC 62717, Cl.7
2147	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General lighting	Verification of Marking	IS 16103 (Part 2):2012,Cl.4 / IEC 62717, Cl.4
2148	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Creepage Distances and Clearances	IS 16103 (Part 1):2012+ A1:2014 (Cl.16) / IEC 62031
2149	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Electric Strength	IS 16103 (Part 1): 2012+A1:2014 (Cl 12) / IEC 62031
2150	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Electric Strength	IS 16103 (Part 1): 2012+A1:2014 (Cl 12) / IEC 62031
2151	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Electric Strength	IS 16103 (Part 1): 2012+A1:2014 (Cl 12) / IEC 62031
2152	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Fault Condition	IS 16103 (Part 1):2012 +A1:2014 (Cl.13) / IEC 62031
2153	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Heat Management	IS 16103 (Part 1):2012+ A1:2014 (Cl.21) / IEC 62031
2154	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Moisture Resistance and Insulation	IS 16103 (Part 1):2012 +A1:2014 (Cl.11) / IEC 62031

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2155	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Moisture Resistance and Insulation	IS 16103 (Part 1):2012 +A1:2014 (Cl.11) / IEC 62031
2156	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Moisture Resistance and Insulation	IS 16103 (Part 1):2012 +A1:2014 (Cl.11) / IEC 62031
2157	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Moisture Resistance and Insulation	IS 16103 (Part 1):2012 +A1:2014 (Cl.11) / IEC 62031
2158	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Protection against Accidental Contact Against Live Parts	IS 16103 (Part 1):2012 +A1:2014 (Cl.10) / IEC 62031
2159	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Provision for Protective Earthing	IS 16103 (Part 1):2012+A1:2014 (Cl.9) / IEC 62031
2160	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Resistance to Corrosion	IS 16103 (Part 1):2012 +A1 : 2014 (Cl.19) / IEC 62031
2161	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Resistance to Heat, Fire and Tracking	IS 16103 (Part 1): 2012+ A1:2014 (Cl.18) / IEC 62031
2162	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Resistance to Heat, Fire and Tracking	IS 16103 (Part 1): 2012+ A1:2014 (Cl.18) / IEC 62031
2163	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Resistance to Heat, Fire and Tracking	IS 16103 (Part 1): 2012+ A1:2014 (Cl.18) / IEC 62031
2164	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Resistance to Heat, Fire and Tracking	IS 16103 (Part 1): 2012+ A1:2014 (Cl.18) / IEC 62031
2165	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Resistance to Heat, Fire and Tracking	IS 16103 (Part 1): 2012+ A1:2014 (Cl.18) / IEC 62031
2166	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Verification of Marking	IS 16103 (Part 1):2012 +A1:2014 (Cl.7) / IEC 62031
2167	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Verification of Screws, current carrying parts and connections	IS 16103 (Part 1):2012+ A1:2014 (Cl.17) / IEC 62031
2168	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED Modules for General Lighting Services	Verification of Terminals	IS 16103 (Part 1):2012 (Cl.8) / IEC 62031

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2169	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	TFL	. Dimensions	IS 2418-Part 1
2170	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	TFL	1.Visual examination	IS 2418-Part 1 / IS 2418-Part 2 / IS 2418-Part 3 & 4
2171	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	TFL	Burning test	IS 2418-Part 1
2172	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	TFL	Insulation resistance test	IS 2418-Part 1
2173	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Accessibility test MST 11	Cl.10.9 of IS/IEC 61730-2
2174	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Accessibility test MST 11	Cl.10.9 of IS/IEC 61730-2
2175	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Bypass diode functionality test MST 07	Cl.10.8 of IS/IEC 61730-2
2176	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Bypass diode functionality test MST 07	Cl.10.8 of IS/IEC 61730-2
2177	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Bypass diode thermal test MST 25	Cl.10.19 of IS/IEC 61730-2
2178	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Bypass diode thermal test MST 25	Cl.10.19 of IS/IEC 61730-2
2179	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Continuity test of equipotential bonding MST 13	Cl.10.11 of IS/IEC 61730-2
2180	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Continuity test of equipotential bonding MST 13	Cl.10.11 of IS/IEC 61730-2
2181	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Cut susceptibility test MST 12	Cl.10.10 of IS/IEC 61730-2
2182	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Cut susceptibility test MST 12	Cl.10.10 of IS/IEC 61730-2
2183	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Durability of markings MST 05	Cl.10.6 of IS/IEC 61730-2
2184	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Hot-spot endurance test MST 22	Cl.10.16 of IS/IEC 61730-2
2185	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Impulse voltage test MST 14	Cl.10.12 of IS/IEC 61730-2

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2186	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Impulse voltage test MST 14	Cl.10.12 of IS/IEC 61730-2
2187	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Insulation test MST 16	Cl.10.13 of IS/IEC 61730-2
2188	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Insulation test MST 16	Cl.10.13 of IS/IEC 61730-2
2189	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Lap shear strength test MST 36	Cl.10.25 of IS/IEC 61730-2
2190	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Materials creep test MST 37	Cl.10.26 of IS/IEC 61730-2
2191	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Materials creep test MST 37	Cl.10.26 of IS/IEC 61730-2
2192	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Materials creep test MST 37	Cl.10.26 of IS/IEC 61730-2
2193	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Materials creep test MST 37	Cl.10.26 of IS/IEC 61730-2
2194	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Maximum power determination MST 03	Cl.10.4 of IS/IEC 61730-2
2195	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Measurement of Photovoltaic Current- Voltage Characteristics	IS 12762-Part 1
2196	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Measurement of Photovoltaic Current- Voltage Characteristics	IS 12762-Part 1
2197	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Peel test MST 35	Cl.10.24 of IS/IEC 61730-2
2198	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Performance at STC MST 02	Cl.10.3 of IS/IEC 61730-2
2199	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Performance at STC MST 02	Cl.10.3 of IS/IEC 61730-2
2200	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Performance at STC MST 02	Cl.10.3 of IS/IEC 61730-2
2201	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Reverse current overload test MST 26	Cl.10.20 of IS/IEC 61730-2
2202	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Robustness of terminations test MST 42	Cl.10.27 of IS/IEC 61730-2
2203	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Screw connections test MST 33	Cl.10.22 of IS/IEC 61730-2

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2204	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Sharp edge test MST 06	Cl.10.7 of IS/IEC 61730-2
2205	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Static mechanical load test MST 34	Cl.10.23 of IS/IEC 61730-2
2206	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Temperature test MST 21	Cl.10.15 of IS/IEC 61730-2
2207	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Test samples, Marking and documentation, Pass criteria, Major visual defects, report , modifications, test flow and procedures	IEC 61215-1:2016 Cl. 4,5,6,7,8,9,10,11
2208	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Thermal cycling test MST 51/Humidity freeze test MST 52/Damp heat test MST 53/Cold conditioning MST 55/Dry heat conditioning MST 56	Cl.10.28, Cl.10.29, Cl.10.30, Cl.10.32, Cl.10.33 of IS/IEC 61730-2
2209	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Thermal cycling test MST 51/Humidity freeze test MST 52/Damp heat test MST 53/Cold conditioning MST 55/Dry heat conditioning MST 56	Cl.10.28, Cl.10.29, Cl.10.30, Cl.10.32, Cl.10.33 of IS/IEC 61730-2
2210	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	UV test MST 54	Cl.10.31 of IS/IEC 61730-2
2211	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Visual inspection	Cl.10.2 of IS/IEC 61730-2
2212	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Wet leakage current test MST 17	Cl.10.14 of IS/IEC 61730-2
2213	ELECTRICAL-MISCELLANEOUS	Photovoltaic (PV) module	Wet leakage current test MST 17	Cl.10.14 of IS/IEC 61730-2
2214	ELECTRICAL-MISCELLANEOUS	Solar Photovoltaic (PV) Module	Ignitability test MST 24	Cl.10.18 of IS/IEC 61730-2
2215	ELECTRICAL-MISCELLANEOUS	Solar Photovoltaic Module	Bypass diode functionality test, Initial measurements, Cleaning and recovery, Final measurements,Requirements	Cl 4.1, Cl 4.2, Cl 6, Cl 8, CL 9 and Cl 10 of IEC 61701
2216	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Bypass diode testing	Cl.4.18 of IS 14286(Part 2):2019 IEC 61215-2
2217	ELECTRICAL-MISCELLANEOUS	Solar Photovoltaic Module	Classification, applications and intended use & Requirements for design and construction	Cl 4,Cl 5, Annex A and Annex B of IS/IEC 61730-1 (RA 2020)

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2218	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Hail test	Cl.4.17 of IS 14286(Part 2):2019 IEC 61215-2
2219	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Hot spot endurance test	Cl.4.9 of IS 14286(Part 2):2019 IEC 61215-2
2220	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Insulation test	Cl.4.3 of IS 14286(Part 2):2019 IEC 61215-2
2221	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Maximum power determination	Cl.4.2 of IS 14286(Part 2):2019 IEC 61215-2
2222	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Measurement of NMOT	Cl.4.5 of IS 14286(Part 2):2019 IEC 61215-2
2223	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Measurement of temperature coefficients	Cl.4.4 of IS 14286(Part 2):2019 IEC 61215-2
2224	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Outdoor exposure test	Cl.4.8 of IS 14286(Part 2):2019 IEC 61215-2
2225	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Performance at STC and NMOT,Performance at low irradiance	Cl.4.6,Cl.4.7 of IS 14286(Part 2):2019 IEC 61215-2
2226	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Post stress tests - Electroluminescence imaging	Cl. 4.4.d of IS 17210 (Part 1):2019 IEC TS 62804-1
2227	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Post stress tests - Maximum power determination	Cl. 4.4.a of IS 17210 (Part 1):2019 IEC TS 62804-1
2228	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Post stress tests - Performance at low irradiance	Cl. 4.4.b of IS 17210 (Part 1):2019 IEC TS 62804-1
2229	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Post stress tests - Visual inspection	Cl. 4.4.e of IS 17210 (Part 1):2019 IEC TS 62804-1
2230	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Post stress tests - Wet leakage current test	Cl. 4.4.c of IS 17210 (Part 1):2019 IEC TS 62804-1
2231	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Pre stress tests - Electroluminescence imaging	Cl. 4.2.f of IS 17210 (Part 1):2019 IEC TS 62804-1
2232	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Pre stress tests - Ground continuity test	Cl. 4.2.g of IS 17210 (Part 1):2019 IEC TS 62804-1
2233	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Pre stress tests - Maximum power determination	Cl. 4.2.c of IS 17210 (Part 1):2019 IEC TS 62804-1
2234	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Pre stress tests - Performance at low irradiance	Cl. 4.2.d of IS 17210 (Part 1):2019 IEC TS 62804-1
2235	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Pre stress tests - stabilization	Cl. 4.2.a of IS 17210 (Part 1):2019 IEC TS 62804-1

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2236	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Pre stress tests - Visual inspection	Cl. 4.2.b of IS 17210 (Part 1):2019 IEC TS 62804-1
2237	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Pre stress tests - Wet leakage current test	Cl. 4.2.e of IS 17210 (Part 1):2019 IEC TS 62804-1
2238	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Robustness of terminations	Cl.4.14 of IS 14286(Part 2):2019 IEC 61215-2
2239	ELECTRICAL-MISCELLANEOUS	Solar Photovoltaic Module	Salt mist corrosion test,	Cl 7 of IEC 61701
2240	ELECTRICAL-MISCELLANEOUS	Solar Photovoltaic Module	Salt mist corrosion test,	Cl 7 of IEC 61701
2241	ELECTRICAL-MISCELLANEOUS	Solar Photovoltaic Module	Salt mist corrosion test,	Cl 7 of IEC 61701
2242	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Stabilization	Cl.4.19 of IS 14286(Part 2):2019 IEC 61215-2
2243	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Static mechanical load test	Cl.4.16 of IS 14286(Part 2):2019 IEC 61215-2
2244	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Thermal cycling test, Humidity freeze test, Damp heat test.	Cl.4.11,Cl.4.12,Cl.4.13 of IS 14286(Part 2):2019 IEC 61215-2
2245	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Thermal cycling test, Humidity freeze test, Damp heat test.	Cl.4.11,Cl.4.12,Cl.4.13 of IS 14286(Part 2):2019 IEC 61215-2
2246	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	UV preconditioning test	Cl.4.10 of IS 14286(Part 2):2019 IEC 61215-2
2247	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Verification of Design Qualification and Type Approval	IS 14286 (Part 1):2019 IEC 61215-1
2248	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Visual Inspection	Cl.4.1 of IS 14286(Part 2):2019 IEC 61215-2
2249	ELECTRICAL-MISCELLANEOUS	Solar Photovoltaic Module	Voltage stress test procedures	Cl.4.3 of IS 17210 (Part 1):2019 IEC TS 62804-1
2250	ELECTRICAL-MISCELLANEOUS	Solar Photovoltaic Module	Voltage stress test procedures	Cl.4.3 of IS 17210 (Part 1):2019 IEC TS 62804-1
2251	ELECTRICAL-MISCELLANEOUS	Solar Photovoltaic Module	Voltage stress test procedures	Cl.4.3 of IS 17210 (Part 1):2019 IEC TS 62804-1
2252	ELECTRICAL-MISCELLANEOUS	Solar photovoltaic module	Wet leakage current test	Cl.4.15 of IS 14286(Part 2):2019 IEC 61215-2
2253	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Bypass diode thermal test	Cl.10.18 of IS 14286:2010 IEC 61215(Withdrawn)

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2254	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Damp heat test	Cl.10.13 of IS 14286:2010 IEC 61215(Withdrawn)
2255	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Hail test	Cl.10.17 of IS 14286:2010 IEC 61215(Withdrawn)
2256	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Hot-spot endurance test	Cl.10.9 of IS 14286:2010 IEC 61215(Withdrawn)
2257	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Humidity freeze test	Cl.10.12 of IS 14286:2010 IEC 61215(Withdrawn)
2258	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Insulation test	Cl.10.3 of IS 14286:2010 IEC 61215(Withdrawn)
2259	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Maximum power determination	Cl.10.2 of IS 14286:2010 IEC 61215(Withdrawn)
2260	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Measurement of nominal operating ceil temperature (NOCT)	Cl.10.5 of IS 14286:2010 IEC 61215(Withdrawn)
2261	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Measurement of temperature coefficients	Cl.10.4 of IS 14286:2010 IEC 61215(Withdrawn)
2262	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Mechanical load test	Cl.10.16 of IS 14286:2010 IEC 61215(Withdrawn)
2263	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Outdoor exposure test	Cl.10.8 of IS 14286:2010 IEC 61215(Withdrawn)
2264	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Performance at low irradiance	Cl.10.7 of IS 14286:2010 IEC 61215(Withdrawn)
2265	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Performance at STC and NOCT	Cl.10.6 of IS 14286:2010 IEC 61215(Withdrawn)
2266	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Robustness of termination test	Cl.10.14 of IS 14286:2010 IEC 61215(Withdrawn)
2267	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Sampling, Marking, Testing, Pass criteria, Major visual defects, Report	Cl.3, Cl.4, Cl.5, Cl.6, Cl.7, Cl.8 of IS 14286:2010 IEC 61215(Withdrawn)
2268	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Thermal cycling test	Cl.10.11 of IS 14286:2010 IEC 61215(Withdrawn)
2269	ELECTRICAL-MISCELLANEOUS	Solar PV Module	UV preconditioning	Cl.10.10 of IS 14286:2010 IEC 61215(Withdrawn)
2270	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Visual inspection	Cl.10.1 of IS 14286:2010 IEC 61215(Withdrawn)
2271	ELECTRICAL-MISCELLANEOUS	Solar PV Module	Wet leakage current test	Cl.10.15 of IS 14286:2010 IEC 61215(Withdrawn)

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2272	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Islanding protection	Cl 5.3 of IS/IEC 61727
2273	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	DC Injection	Cl 4.4 of IS/IEC 61727
2274	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Flicker	Cl 4.3 of IS/IEC 61727
2275	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Harmonics and waveform distortion	Cl 4.6 of IS/IEC 61727
2276	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Isolation and switching	Cl 5.7 of IS/IEC 61727
2277	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Loss of utility voltage	Cl 5.1 of IS/IEC 61727
2278	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Normal frequency operating range	Cl 4.5 of IS/IEC 61727
2279	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Normal voltage operating range	Cl 4.2 of IS/IEC 61727
2280	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Over or under frequency	Cl 5.2.2 of IS/IEC 61727
2281	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Over or under voltage	Cl 5.2.1 of IS/IEC 61727
2282	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Power factor	Cl 4.7 of IS/IEC 61727
2283	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Response to utility recovery	Cl 5.4 of IS/IEC 61727
2284	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Short circuit protection	Cl 5.6 of IS/IEC 61727
2285	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied and off grid Inverters and UPS	Verification of Earthing	Cl 5.5 of IS/IEC 61727
2286	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied Inverters	Frequency ride through	Cl 4. (c) Subclause (2) Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations,
2287	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid Tied Inverters	Harmonics	Cl 5 Subclause (3) Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations,

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2288	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied Inverters	High voltage ride through	Cl 4. (c) Subclause (7) Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations,
2289	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid tied inverters	Low voltage ride through test	Cl 4. (c) Subclause (3) Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations,
2290	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid-tied I Off-grid inverters and UPS	Anti-Islanding Test	Cl. 4,5, and 6 of IS 16169:2019 IEC 62116
2291	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid-tied I Off-grid inverters and UPS	Efficiency test	Cl. 4,5,6, and 7 of IS/ IEC 61683: 1999 RA 2020
2292	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Grid-tied I Off-grid inverters and UPS	Disconnect time 1m sec to 100 seconds	Cl. 4,5, 6, and 7 of IS 16169:2019 IEC 62116
2293	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Array Insulation resistance test	IS 16221-2:2015 IEC 62109-2 Cl. 4.8
2294	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Chemical hazard	IS 16221-1:2016 IEC 62109-1 Cl.12
2295	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Chemical hazard	IS 16221-2:2015 IEC 62109-2 Cl.12
2296	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Electrical ratings tests	IS 16221-2:2015 IEC 62109-2 Cl. 4.7
2297	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Electrical ratings tests	IS 16221-2:2015 IEC 62109-2 Cl. 4.7
2298	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Electrical ratings tests	IS 16221-2:2015 IEC 62109-2 Cl. 4.7
2299	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Electrical ratings tests	IS 16221-2:2015 IEC 62109-2 Cl. 4.7
2300	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Environmental requirements and conditions	IS 16221-1:2016 IEC 62109-1 Cl. 6:
2301	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Ingress protection	IS 16221-1:2016 IEC 62109-1 Cl 6.3
2302	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Measurement of clearances and creep age distances	IS 16221-1:2016 IEC 62109-1 Annex A
2303	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Physical requirement	IS 16221-2:2015 IEC 62109-2 Cl. 13
2304	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Physical requirements & Drop test	IS 16221-1:2016 IEC 62109-1 Cl. 13& 13.7.4

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2305	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Physical requirements & Drop test	IS 16221-1:2016 IEC 62109-1 Cl. 13&13.7.4
2306	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Physical verification Marking and documentation	IS 16221-1:2016 IEC 62109-1 Cl. 5
2307	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Pollution degree	IS 16221-1:2016 IEC 62109-1 Cl 6.2
2308	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Programmable equipment	IS 16221-1:2016 IEC 62109-1 Annex B
2309	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against electric shock	IS 16221-2:2015 IEC 62109-2 Cl. 7
2310	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against electric shock and energy hazards,	IS 16221-1:2016 IEC 62109-1 Cl. 7, 7.2, 7.3, 7.4, 7.5
2311	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against electric shock and energy hazards,	IS 16221-1:2016 IEC 62109-1 Cl. 7, 7.2, 7.3, 7.4, 7.5
2312	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against electric shock and energy hazards,	IS 16221-1:2016 IEC 62109-1 Cl. 7, 7.2, 7.3, 7.4, 7.5
2313	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against electric shock and energy hazards,	IS 16221-1:2016 IEC 62109-1 Cl. 7, 7.2, 7.3, 7.4, 7.5
2314	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against fire hazard	IS 16221-2:2015 IEC 62109-2 Cl.9
2315	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against fire hazard Short circuit and over current protection Physical check.	IS 16221-1:2016 IEC 62109-1 Cl. 9,9.1,9.2, 9.3
2316	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against liquid hazard	IS 16221-1:2016 IEC 62109-1 Cl.11
2317	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against liquid hazard	IS 16221-2:2015 IEC 62109-2 Cl.11
2318	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against mechanical hazards	IS 16221-1:2016 IEC 62109-1 Cl. 8
2319	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against mechanical hazards	IS 16221-2:2015 IEC 62109-2: Cl. 8
2320	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against sonic pressure and sound level	IS 16221-1:2016 IEC 62109-1
2321	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Protection against sonic pressure and sound level	IS 16221-2:2015 IEC 62109-2 Cl.10
2322	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Residual current monitoring	IS 16221-2:2015 IEC 62109-2 Cl. 4.8

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2323	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Temperature and Humidity(Room conditioning)	IS 16221-1:2016 IEC 62109-1 Cl 6.5
2324	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Testing in single fault condition	IS 16221-2:2015 IEC 62109-2 CL 4.4
2325	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Testing in single fault condition	IS 16221-2:2015 IEC 62109-2 CL 4.4
2326	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Testing in single fault condition, Back feed voltage protection, Electrical ratings tests	IS 16221-1:2016 IEC 62109-1 Cl. 4.4, 4.6 and 4.7
2327	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Testing in single fault condition, Back feed voltage protection, Electrical ratings tests	IS 16221-1:2016 IEC 62109-1 Cl. 4.4, 4.6 and 4.7
2328	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Testing in single fault condition, Back feed voltage protection, Electrical ratings tests	IS 16221-1:2016 IEC 62109-1 Cl. 4.4, 4.6 and 4.7
2329	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Testing in single fault condition, Back feed voltage protection, Electrical ratings tests	IS 16221-1:2016 IEC 62109-1 Cl. 4.4, 4.6 and 4.7
2330	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Testing in single fault condition, Back feed voltage protection, Electrical ratings tests	IS 16221-1:2016 IEC 62109-1 Cl. 4.4, 4.6 and 4.7
2331	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Testing in single fault condition, Back feed voltage protection, Electrical ratings tests	IS 16221-1:2016 IEC 62109-1: Cl. 4.4, 4.6 and 4.7
2332	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Touch current	IS 16221-2:2015 IEC 62109-2 Cl. 4.8
2333	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Ultraviolet light conditioning test	IS 16221-1:2016 IEC 62109-1 Annex J
2334	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Verification of components, Software and firmware performing safety functions	IS 16221-1:2016 IEC 62109-1 Cl 14 & 15
2335	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Verification of Environmental requirements and conditions	IS 16221-1:2016 IEC 62109-1 Cl. 6
2336	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Verification of general conditions for testing	IS 16221-1:2016 IEC 62109-1 Cl.4.2 and 4.2.2, 4.2.2.1 a,b,c,d

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2337	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Verification of general conditions for testing	IS 16221-1:2016 IEC 62109-1 Cl.4.2 and 4.2.2, 4.2.2.1 a,b,c,d
2338	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Verification of general conditions for testing	IS 16221-1:2016 IEC 62109-1 Cl.4.2 and 4.2.2, 4.2.2.1 a,b,c,d
2339	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Verification of general conditions for testing	IS 16221-1:2016 IEC 62109-1 Cl.4.2 and 4.2.2, 4.2.2.1 a,b,c,d
2340	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Verification of general conditions for testing	IS 16221-1:2016 IEC 62109-1Cl.4.2 and 4.2.2, 4.2.2.1 a,b,c,d
2341	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Verification of general Requirements	IS 16221-1:2016 IEC 62109-1 Cl.4.2 and 4.2.2, 4.2.2.1 a,b,c,d
2342	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Verification of Marking and documentation	IS 16221-2:2015 IEC 62109-2 CL. 5
2343	ELECTRICAL- POWER SUPPLIES & STABILIZERS	power conversion equipment (PCE) for use in photovoltaic systems	Verification of symbols to be used in equipment markings	IS 16221-1:2016 IEC 62109-1 Annex C
2344	ELECTRICAL- POWER SUPPLIES & STABILIZERS	SOLID STATE INVERTERS RUN FROM STORAGE BATTERIES	Climatic Tests	Cl 7.10. of IS 13314
2345	ELECTRICAL- POWER SUPPLIES & STABILIZERS	SOLID STATE INVERTERS RUN FROM STORAGE BATTERIES	Insulation Resistance Test	Cl 7.7 of IS 13314
2346	ELECTRICAL- POWER SUPPLIES & STABILIZERS	SOLID STATE INVERTERS RUN FROM STORAGE BATTERIES	No load Test - Current	Cl 7.8 of IS 13314:
2347	ELECTRICAL- POWER SUPPLIES & STABILIZERS	SOLID STATE INVERTERS RUN FROM STORAGE BATTERIES	Verification of Marking	Cl 6 of IS 13314
2348	ELECTRICAL- POWER SUPPLIES & STABILIZERS	SOLID STATE INVERTERS RUN FROM STORAGE BATTERIES	Visual Inspection	Cl 7.5 of IS 13314
2349	ELECTRICAL- POWER SUPPLIES & STABILIZERS	SOLID STATE INVERTERS RUN FROM STORAGE BATTERIES	Harmonic Content	Cl 7.11 of IS 13314
2350	ELECTRICAL- POWER SUPPLIES & STABILIZERS	SOLID STATE INVERTERS RUN FROM STORAGE BATTERIES	High Voltage test	Cl 7.6 of IS 13314
2351	ELECTRICAL- POWER SUPPLIES & STABILIZERS	SOLID STATE INVERTERS RUN FROM STORAGE BATTERIES	No load Test - Voltage	Cl 7.8 of IS 13314
2352	ELECTRICAL- POWER SUPPLIES & STABILIZERS	SOLID STATE INVERTERS RUN FROM STORAGE BATTERIES	Output Test - Efficiency	Cl 7.9 of IS 13314
2353	ELECTRICAL- POWER SUPPLIES & STABILIZERS	SOLID STATE INVERTERS RUN FROM STORAGE BATTERIES	Output Test - frequency	Cl 7.9 of IS 13314
2354	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	Input Current/power	Cl 8 of IS 11346: 2002, RA

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2355	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	Computation of Test Readings - Efficiency	Cl 6 of IS 11346: 2002, RA:
2356	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	Head Measurement, Measurement of Power Input	Cl 3.2.1.4, Cl 3.2.2 , Cl 3.2.3 , Cl 4, Cl 5 of IS 11346: 2002, RA
2357	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	input Current/power	Cl 8 of IS 11346: 2002, RA
2358	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	Input Current/power	Cl 8 of IS 11346: 2002, RA
2359	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	input Current/power	Cl 8 of IS 11346: 2002, RA
2360	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	Measurement of Rate of Flow, Head Measurement , Power Measurement	Cl.3.1.1, Cl.3.1.2, Cl.3.1.3 of IS 11346: 2002
2361	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	Observation, Measurement of Pressure (Head)	Cl 6 of IS 11346: 2002, RA
2362	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	OBSERVATIONS - Voltage Measurement	Cl 6 of IS 11346: 2002, RA
2363	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	OBSERVATIONS , Power factor measurement	Cl 6 of IS 11346: 2002, RA
2364	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	OBSERVATIONS , Power Measurement	Cl 6 of IS 11346: 2002, RA
2365	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	OBSERVATIONS, Current Measurement	Cl 6 of IS 11346: 2002, RA
2366	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	OBSERVATIONS, frequency	Cl 6 of IS 11346:
2367	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	OBSERVATIONS, Gauge distance correction factor, 2	Cl 6 of IS 11346: 2002, RA
2368	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	OBSERVATIONS, Measurement of Flow	Cl 6 of IS 11346: 2002, RA
2369	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	OBSERVATIONS, Measurement of RPM	Cl 6 of IS 11346: 2002, RA
2370	ELECTRICAL- ROTATING ELECTRICAL MACHINES	AGRICULTURAL AND WATER SUPPLY PUMPS	Speed Measurement	Cl.3.1.4 , Cl 3.2.4 of IS 11346:2002 , RA
2371	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Dimension	IS 12615 Cl. No. 7 & 16.2.1
2372	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Duty & Rating	IS 12615:2018 Cl. 11

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2373	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Electrical operating Conditions	IS 12615:2018 Cl. 4.2
2374	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Full load/determination of efficiency	Cl. 15 & 16.2.3 of IS 12615:2018 / IS 15999-2-1:2011(RA 2016) IEC 60034-2-1:2007 / IEC 60034-2-1
2375	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction motors	Full load/determination of Efficiency	Cl. 15 & 16.2.3 of IS 12615:2018 / IS 15999-2-1:2011(RA 2016) IEC 60034-2-1:2007 / IEC 60034-2-1
2376	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	High Voltage test	IS 12615:2018 Cl. No. 16.1.6
2377	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Insulation Resistance Test	IS 12615:2018 Cl. No. 16.1.1
2378	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Locked Rotor Test	IS 12615:2018 Cl. 16.1.4 & 16.2.2
2379	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Measurement of Resistance of stator windings	IS 12615:2018 Cl. 16.1.2
2380	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Methods of Cooling	IS 12615:2018 Cl. 6
2381	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Momentary Excess Torque	IS 12615:2018 Cl.12.2
2382	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Momentary excess torque for motors	Cl.9.4 of IS 15999-1:2021 IEC 60034-1
2383	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Momentary overload	IS 12615:2018 Cl. No. 16.2.5
2384	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	No load losses and current	Cl.9.1 of IS 15999-1:2021 IEC 60034-1
2385	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	No load losses and current	Cl.9.1 of IS 15999-1:2021 IEC 60034-1
2386	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	No load test	IS 12615:2018 Cl. No. 16.1.3
2387	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	No Load Test	IS 12615:2018 Cl. No. 16.1.3
2388	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Occasional excess current	Cl.9.3 of IS 15999-1:2021 IEC 60034-1
2389	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Open circuit secondary induced voltage at standstill	Cl.9.1 of IS 15999-1:2021 IEC 60034-1

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2390	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Over speed	Cl.9.7 of IS 15999-1:2021 IEC 60034-1
2391	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Over speed test	IS 12615:2018 Cl. No. 16.3.4
2392	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Performance Values	IS 12615:2018 Cl. 14
2393	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Pull up torque	Cl.9.5 of IS 15999-1:2021 IEC 60034-1
2394	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Pull up torque	IS 12615:2018 Cl.No. 12.3
2395	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Reduced Voltage Running up test at no-load	Is 12615:2018 Cl. 16.1.5
2396	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Resistance of winding	Cl.9.1 of IS 15999-1:2021 IEC 60034-1
2397	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Safe operating speed of cage induction motor	Cl.9.6 of IS 15999-1:2021 IEC 60034-1
2398	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Temperature Rise Rest	IS 12615:2018 Cl.13,16.2.4, &16.3.5
2399	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Test for Noise Levels for Motor	IS 12615:2018 Cl. 16.3.2
2400	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Thermal performance and tests	Cl.8 of IS 15999-1:2021 IEC 60034-1
2401	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Verification of Duty, Rating, Site operating conditions, Electrical operating conditions, Direction of rotation, Rating plates , Miscellaneous Requirement, Tolerances	Cl.4 , Cl 5 , Cl 6, Cl 7, Cl 9.1, Cl 10, Cl 11 and Cl 12 of IS 15999-1:2021 IEC 60034-1
2402	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Verification of Earthing	IS 12615 , Cl.No. 8
2403	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction motors	Verification of Marking	IS 12615 Cl. No. 9
2404	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Verification of Marking	IS 12615:2018 Cl. 18
2405	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Vibration	IS 12615:2018 Cl. No. 16.3.1
2406	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Visual inspection - type of Enclosures	IS 12615:2018 Cl. 5

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2407	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Voltage & Frequency Variation	IS 12615:2018 Cl. 4.3
2408	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Induction Motors	Withstand voltage test	Cl.9.1 and Cl.9.2 of IS 15999-1:2021 IEC 60034-1
2409	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	CLASSIFICATION and NOMENCLATURE	Cl.5 and Cl. 6 of IS 9079:
2410	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Discharge Rate Range (l/s)	Cl. 9.1.2 of IS 9079:
2411	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Efficiency	Cl. 9.4 of IS 9079:
2412	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Efficiency	Cl. 9.4 of IS 9079:
2413	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Efficiency	Cl. 9.4 of IS 9079:
2414	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Head Measurement, Flow Measurement , current and power measurement, Hydrostatic Pressure test	Cl 12.3 , Cl 12.4, Cl 12.5, Cl 12.6 of IS 9079:
2415	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	HIGH-VOLTAGE TEST	Cl 11.3 of IS 9079:
2416	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Insulation Resistance Test	Cl 11.2 of IS 9079:
2417	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Laboratory Tests, Head Measurement, Flow Measurement , current and power measurement, Hydrastatic Pressure test	Cl 12.2 , Cl 12.3 , Cl 12.4, Cl 12.5, Cl 12.6 of IS 9079:
2418	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Locked Rotor Test	Cl 11.5 of IS 9079:
2419	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Monometric Suction Lift measurement	Cl.4.1 of IS 9079:
2420	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Overall Efficiency by Power measurement	Cl. 13.4 of IS 9079::
2421	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Overall Efficiency by Power measurement	Cl. 13.4 of IS 9079::
2422	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Performance values of single phase motors	Cl 11.1.6, Cl 11.1.7, Cl 11.1.8 of IS 9079:
2423	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Rated Speeds	Cl 10.8.3 of IS 9079:

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2424	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Rated voltage and rated frequency	Cl 10.8.1 of IS 9079:
2425	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Rated voltage and rated frequency	Cl 10.8.1 of IS 9079:
2426	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Rated voltage and rated frequency	Cl 10.8.2.1 of IS 9079:
2427	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Rated voltage and rated frequency	Cl 10.8.2.1 of IS 9079:2018
2428	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Ratings , TEST FOR ELECTRICAL PERFORMANCE ON MOTOR FOR MONOSET	Cl 10.8.2.2 , Cl 11.1.1, Cl 11.1.3 , Cl 11.1.4 ,Cl 11.1.5 of IS 9079:
2429	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Temperature rise test at reduced voltage	Cl 11.4.2 of IS 9079:
2430	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Temperature Rise Test	Cl 11.4.1 , Cl 11.4.1.1, Cl 11.4.1.2 of IS 9079:
2431	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Terminal Marking and Direction of Rotation , Prime Mover	Cl. 10.6 , CL 7 of IS 9079:
2432	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	TEST FOR ELECTRICAL PERFORMANCE ON MOTOR FOR MONOSET	Cl 11.1.1 of IS 9079:
2433	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Verification of classification , nomenclature	Cl.5 and Cl. 6 of IS 9079
2434	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Verification of Declared performance value, value of efficiency, requirement for pump set	Cl 11.1.6, Cl 11.1.7, Cl 11.1.8 of IS 9079:
2435	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Verification of Discharge Rate Range (l/s)	Cl. 9.1.2 of IS 9079:
2436	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Verification of General Requirement for Casing , Impeller , Shaft , Balancing	Cl. 10, Cl 10.1 , Cl 10.2 , Cl 10.3, Cl.10.4 of IS 9079:
2437	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Verification of GENERAL REQUIREMENTS , Casing , Impeller , Shaft , Balancing	Cl. 10, Cl 10.1 , Cl 10.2 , Cl 10.3, Cl.10.4 of IS 9079:
2438	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Verification of Marking	Cl. 10.6 , CL 7 of IS 9079:
2439	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Verification of Provision for Earthing	Cl. 10.5 of IS 9079:
2440	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Verification of ratings of single phase motor	Cl 10.8.1 of IS 9079

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2441	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Verification of ratings of three phase motor	Cl 10.8.2 of IS 9079:
2442	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Verification of Ratings	Cl 10.8.2 of IS 9079:
2443	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Verification of Single Phase Motors	Cl 10.8.1 of IS 9079
2444	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Verification of type of motors	Cl. 10.8.2 , Cl 10.8.2.3 of IS 9079:
2445	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Voltage and Frequency Variation	Cl. 9.2 of IS 9079:
2446	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoset pumps for clear, cold water for agricultural and water supply purposes	Voltage and Frequency Variation	Cl. 9.4 of IS 9079:
2447	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Breakaway (Starting) Torque Test	Cl 14.7 of IS 14220
2448	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Current	Cl 16.3 of IS 14220:
2449	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	High Voltage Test	Cl 14.4 of IS 14220:
2450	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Insulation Resistance Test	Cl 14.3 of IS 14220:
2451	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Leakage Current Test	Cl 14.5 of IS 14220:
2452	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Measurement of discharge Flow	Cl 16.1 of IS 14220: :
2453	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Measurement of discharge Head	Cl 16.1.4 of IS 14220:
2454	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Motor designed for operation at voltages other than 415 V, Ratings , Type of Motor.	Cl 13.2.2, Cl 13.2.3 ,Cl 13.2.4 of IS 14220:
2455	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Overall Efficiency	16.2, of IS 14220
2456	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Overall efficiency	Cl 16.1 of IS 14220: :
2457	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Rated Speed	Cl 14.8 of IS 14220:
2458	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Rated Voltage and Rated Frequency	Cl 13.1.1 of IS 14220:

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2459	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Rated Voltage and Rated Frequency	Cl 13.1.1 of IS 14220:
2460	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Rated Voltage and Rated Frequency	Cl 13.2.1 of IS 14220:
2461	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Speed	Cl 13.3 of IS 14220:
2462	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Temperature Rise Test	Cl 14.6 of IS 14220:
2463	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Verification of guarantee and tolerances on open well submersible pump set performance – Head and discharge ,Current, Pump efficiency, Overall efficiency, Prime mover rating ,Permissible inaccuracies	Cl 16.2, CL 16.3, Cl 16.4, Cl 16.5, Cl 16.6, CL 16.7, Cl 17 and Cl 18 of IS 14220:
2464	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Verification of open well submersible motor – Rated voltage and rated frequency ,Motor designed for operation at voltages other than 240 V	Cl 13.1.2, Cl 13.1.3 of IS 14220
2465	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Open well submersible pump sets	Visual Verification of information (DIMENSIONS AND TOLERANCES, CABLE)	Cl 11, CL 12, CL 13, Cl 13.1 of IS 14220:
2466	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Breakaway (Starting) Torque Test	Cl 14.7 of IS 14220:
2467	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Breakaway (starting)torque (Type test)	Cl 14.10.1.g of IS 14220 : 2018
2468	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Current measurement	Cl 16.3 of IS 14220:
2469	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	DIMENSIONS AND TOLERANCES, CABLE, OPEN WELL SUBMERSIBLE MOTOR , Single Phase Motors	Cl 11, CL 12, CL 13, Cl 13.1 of IS 14220:
2470	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Flow measurement	Cl 15.4 of IS 14220
2471	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Head and Discharge , Pump Efficiency, Overall efficiency , Verification of Guarantee , Prime Mover Rating , PERMISSIBLE INACCURACIES IN MEASUREMENTS , MARKING	Cl 16.2, CL 16.3, Cl 16.4, Cl 16.5, Cl 16.6, CL 16.7, Cl 17 and Cl 18 of IS 14220:

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2472	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Head measurement; Hydrostatic pressure test	Cl 15.3 and 15.5 of IS 14220
2473	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	High voltage test (Routine test and Type test)	Cl 14.9.1.b and Cl 14.10.1.b of IS 14220
2474	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	High Voltage Test	Cl 14.4 of IS 14220:
2475	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Insulation resistance (Routine test and Type test)	Cl 14.9.1.a and Cl 14.10.1.a of IS 14220
2476	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Insulation Resistance Test	Cl 14.3 of IS 14220:
2477	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Leakage current test (Type test)	Cl 14.10.1.h of IS 14220
2478	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Leakage Current Test Upto 50mA	Cl 14.5 of IS 14220:
2479	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Locked rotor test (Routine test and Type test)	Cl 14.9.1.d and Cl 14.10.1.f of IS 14220
2480	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Measurement of discharge Flow	Cl 16.1 of IS 14220: :
2481	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Measurement of discharge Head	Cl 16.1.4 of IS 14220:
2482	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Measurement of stator resistance (Type test)	Cl 14.10.1.c of IS 14220
2483	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	No load test (Routine test and type tesst)	Cl 14.9.1.c and Cl 14.10.1.d of IS 14220
2484	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Overall Efficiency	16.2, of IS 14220
2485	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Overall efficiency	Cl 16.1 of IS 14220: :
2486	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Rated Speed	Cl 14.8 of IS 14220:
2487	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Rated Voltage and Rated Frequency	Cl 13.1.1 of IS 14220:
2488	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Rated Voltage and Rated Frequency	Cl 13.1.1 of IS 14220:
2489	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Rated Voltage and Rated Frequency	Cl 13.2.1 of IS 14220:
2490	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Reduced voltage test (Routine test and Type test)	Cl 14.9.1.e and Cl 14.10.1.e of IS 14220

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2491	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Routine Test, TEST FOR HYDRAULIC PERFORMANCE ON PUMP FOR OPEN WELL SUBMERSIBLE PUMPSET, GUARANTEE AND TOLERANCES ON OPENWELL SUBMERSIBLE PUMPSET PERFORMANCE	Cl 14.9 , Cl 14.10, Cl 15 , Cl 15.2, Cl 15.3, Cl 15.4 , Cl 15.5 , Cl 16 of IS 14220:
2492	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Speed	Cl 13.3 of IS 14220:
2493	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Temperature rise test at rated voltage and at reduced voltage (Type test)	Cl 14.10.1.j and 14.10.1.k of IS 14220
2494	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Temperature Rise Test	Cl 14.6 of IS 14220:
2495	ELECTRICAL- ROTATING ELECTRICAL MACHINES	OPENWELL SUBMERSIBLE PUMPSETS	Verification of ratings of Open well submersible motor	Cl 13.1.2, Cl 13.1.3, Cl 13.2, of IS 14220:
2496	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	H-Q characterisation , Measurement of Head	Cl 5.3.3 of IEC 62253 :
2497	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	H-Q characteristics , Voltage	Cl 5.3.3 of IEC 62253 :
2498	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	H-Q characteristics, Current	Cl 5.3.3 of IEC 62253 :
2499	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	H-Q characteristics, Flow	Cl 5.3.3 of IEC 62253 :
2500	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	H-Q characteristics, Power	Cl 5.3.3 of IEC 62253 :
2501	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	H-Q characteristics, Power factor	Cl 5.3.3 of IEC 62253 :
2502	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	H-Q characteristics, Speed	Cl 5.3.3 of IEC 62253 :
2503	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	P Q Characterisation - Efficiency	Cl 5.3.3 of IEC 62253 :
2504	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	P-Q Characteristic , Measurement of Flow	Cl 5.3.2 of IEC 62253 :
2505	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	P-Q Charecteristics	Cl 5.3.2 of IEC 62253 :
2506	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	P-Q Charecteristics	Cl 5.3.2 of IEC 62253 :

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2507	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	Start-up power measurements , Design qualification for a pumping system	Cl 5.3.4 , CL 6 of IEC 62253 :
2508	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Photovoltaic pumping systems	System characteristics , Dimensioning of hydraulic equipment , Documentation	Cl 6.3, Cl 6.4, Cl 6.5 of IEC 62253 :
2509	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Cable Sizeing	IS 17018-1 (Clause No: 7.4.6)
2510	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Constructional Features	IS 17018-1 (Clause No:5)
2511	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	DC Switch	IS 17018-1(Clause No: 7.4.5)
2512	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Deration Factor	IS 17018-1 (Clause No: 7.5)
2513	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Minimum Water Output	IS 17018-1 (Clause No: 7.1.1)
2514	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Protection test	IS 17018-1 (Clause No: 7.4.4)
2515	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	PV Module Mismatch	IS 17018-1 (Clause No: 5.2.6.9)
2516	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	PV Module Wattage Tolerance	IS 17018-1 (Clause No: 5.2.6.10)
2517	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Rated Motor Voltage	IS 17018-1 (Clause No: 7.3)
2518	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Shut Off Head Of The Pump set	IS 17018-1 (Clause No: 7.1.2)
2519	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Standard Efficiency & Fill Factor	IS 17018-1 (Clause No: 5.2.6.5)
2520	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Tests For Hydraulic And Electrical Performance Of Pumpset	IS 17018-1 (Clause No: 10)
2521	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	The Solar Photo Voltaic (PV) Converter/Controller Ip54 Protection	IS 17018-1(Clause No: 7.4.3)
2522	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	The Solar Photo Voltaic (PV) Converter/Controller Maximum Power Point Tracker (MPPT) Water Discharge	IS 17018-1(Clause No: 7.4.2)

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2523	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	The Solar Photo Voltaic (PV) Converter/Controller Overall Efficiency	IS 17018-1 (Clause No: 7.4.1)
2524	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	The Solar Photo Voltaic (PV) Converter/Controller Overall Efficiency	IS 17018-1 (Clause No: 7.4.1)
2525	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	The Solar Photo Voltaic (PV) Converter/Controller Overall Efficiency	IS 17018-1(Clause No: 7.4.1)
2526	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Verication of IEC 61215 Certificate for PV Module	IS 17018-1 (Clause No: 5.2.6.3)
2527	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Verification for Provision For Earthing	IS 17018-1 (Clause No: 8)
2528	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Verification of Marking	IS 17018-1(Clause No: 13.2)
2529	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Verification of Marking	IS 17018-1 (Clause No: 13)
2530	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Verification of Marking	IS 17018-1 (Clause No: 13.1)
2531	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping System	Verification of Terminal Box	IS 17018-1 (Clause No: 5.2.6.6)
2532	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Verification of Material Of Construction	IS 17018-1 (Clause No: 5.3)
2533	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SOLAR PHOTOVOLTAIC WATER PUMPING SYSTEMS	Cable Sizeing	IS 17018-1 (Clause No: 7.4.6)
2534	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Constructional Features	IS 17018-1 (Clause No:5)
2535	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Current	Drinking water Pumping system (2014-15) : Clause II of MNRE Solar Photovoltaic
2536	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Current	Micro Pumping Systems (2016-17), Clause II & ANNEXURE - II of MNRE Ref.No.41/06/2015-16/PVSE Dt.Jan
2537	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Deration Factor	IS 17018-1 (Clause No: 7.5)
2538	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Frequency	Drinking water Pumping system (2014-15) : Clause II of MNRE Solar Photovoltaic

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2539	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Frequency	Micro Pumping Systems (2016-17), Clause II & ANNEXURE - II of MNRE Ref No.41/06/2015-16/PVSE Dt.Jan
2540	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Minimum Water Output	IS 17018-1 (Clause No: 7.1.1)
2541	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Module mounting structure	Drinking water Pumping system (2014-15) Annexure - II of MNRE Solar Photovoltaic
2542	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Module mounting structure	Micro Pumping Systems (2016-17), ANNEXURE - II of MNRE Ref No. 41/06/2015-16/PVSE Dt.Jan
2543	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Performance Evaluation-Outdoor Condition using sun radiation	Cl. 5.2 of Annexure-II of Circular No. F. No. 41/3/2018-SPV Division dated 17.7.2019 by MNRE / Cl. 5.2 of IS 17429:2020
2544	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Performance Evaluation-Outdoor Condition using sun radiation	Cl. 5.2 of Annexure-II of Circular No. F. No. 41/3/2018-SPV Division dated 17.7.2019 by MNRE / Cl. 5.2 of IS 17429:2020
2545	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Performance Evaluation-Outdoor Condition using sun radiation	Cl. 5.2 of Annexure-II of Circular No. F. No. 41/3/2018-SPV Division dated 17.7.2019 by MNRE / Cl. 5.2 of IS 17429:2020
2546	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Performance Evaluation-Outdoor Condition using sun radiation	Cl. 5.2 of Annexure-II of Circular No. F. No. 41/3/2018-SPV Division dated 17.7.2019 by MNRE / Cl. 5.2 of IS 17429:2020
2547	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Performance Evaluation-Simulator Methods	Cl. 5.1 of Annexure-II of Circular No. F. No. 41/3/2018-SPV Division dated 17.7.2019 by MNRE / Cl. 5.1 of IS 17429:2020
2548	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Performance Evaluation-Simulator Methods	Cl. 5.1 of Annexure-II of Circular No. F. No. 41/3/2018-SPV Division dated 17.7.2019 by MNRE / Cl. 5.1 of IS 17429:2020

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2549	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Performance Evaluation-Simulator Methods	Cl. 5.1 of Annexure-II of Circular No. F. No. 41/3/2018-SPV Division dated 17.7.2019 by MNRE / Cl. 5.1 of IS 17429:2020
2550	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Performance Evaluation-Simulator Methods	Cl. 5.1 of Annexure-II of Circular No. F. No. 41/3/2018-SPV Division dated 17.7.2019 by MNRE / Cl. 5.1 of IS 17429:2020
2551	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Power	Drinking water Pumping system (2014-15) : Clause II of MNRE Solar Photovoltaic
2552	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Power	Micro Pumping Systems (2016-17), Clause II & ANNEXURE - II of MNRE Ref No. 41/06/2015-16/PVSE Dt.Jan
2553	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Protection test	Drinking water Pumping system (2014-15) : Clause VI of MNRE Solar Photovoltaic
2554	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Protection test	IS 17018-1 (Clause No: 7.4.4)
2555	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Protection tests	Micro Pumping Systems (2016-17), Clause VI of MNRE Ref No. 41/06/2015-16/PVSE Dt.Jan
2556	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	PV Array capacity	Drinking water Pumping system (2014-15) : Clause III & Annexure - II of MNRE Solar Photovoltaic
2557	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	PV Array capacity	Micro Pumping Systems (2016-17), Clause III & ANNEXURE - II of MNRE Ref No. 41/06/2015-16/PVSE Dt.Jan
2558	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	PV Module Mismatch	IS 17018-1 (Clause No: 5.2.6.9)
2559	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	PV Module Wattage Tolerance	IS 17018-1 (Clause No: 5.2.6.10)
2560	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Rated Motor Voltage	IS 17018-1 (Clause No: 7.3)

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2561	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Shut off head	Drinking water Pumping system (2014-15) Annexure - II of MNRE Solar Photovoltaic
2562	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Shut off head	Micro Pumping Systems (2016-17), ANNEXURE - II of MNRE Ref No. 41/06/2015-16/PVSE Dt.Jan
2563	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Shut Off Head Of The Pump set	IS 17018-1 (Clause No: 7.1.2)
2564	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Standard Efficiency & Fill Factor	IS 17018-1 (Clause No: 5.2.6.5)
2565	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Tests For Hydraulic And Electrical Performance Of Pumpset - whole day performance	IS 17018-1 (Clause No: 10.3)
2566	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	The Solar Photo Voltaic (PV) Converter/Controller Ip54 Protection	IS 17018-1(Clause No: 7.4.3)
2567	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	The Solar Photo Voltaic (PV) Converter/Controller Maximum Power Point Tracker (MPPT) Water Discharge	IS 17018-1(Clause No: 7.4.2)
2568	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	The Solar Photo Voltaic (PV) Converter/Controller Overall Efficiency	IS 17018-1 (Clause No: 7.4.1)
2569	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	The Solar Photo Voltaic (PV) Converter/Controller Overall Efficiency	IS 17018-1 (Clause No: 7.4.1)
2570	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	The Solar Photo Voltaic (PV) Converter/Controller Overall Efficiency	IS 17018-1(Clause No: 7.4.1)
2571	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Total Water Output	Drinking water Pumping system (2014-15) : Clause II & Annexure - II of MNRE Solar Photovoltaic
2572	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Total water Output	Micro Pumping Systems (2016-17), Clause II & ANNEXURE - II of MNRE Ref No. 41/06/2015-16/PVSE Dt.Jan
2573	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Verification for Provision For Earthing	IS 17018-1 (Clause No: 8)

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2574	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Verification of Marking	IS 17018-1 (Clause No: 13.1)
2575	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Verification of Marking	IS 17018-1(Clause No: 13.2)
2576	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Verification of constructional features	Cl. 3 of Annexure-II of Circular No. F. No. 41/3/2018-SPV Division dated 17.7.2019 by MNRE
2577	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Verification of Guarantees And Tolerances On Solar Photo Voltaic Water Pumping Systems Performance	IS 17018-1 (Clause No: 11)
2578	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Verification of Marking	IS 17018-1 (Clause No: 13)
2579	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Verification of Performance requirements	Cl. 4 of Annexure-II of Circular No. F. No. 41/3/2018-SPV Division dated 17.7.2019 by MNRE
2580	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar photovoltaic water pumping systems	Verification of Terminal Box	IS 17018-1 (Clause No: 5.2.6.6)
2581	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Voltage	Drinking water Pumping system (2014-15) : Clause II of MNRE Solar Photovoltaic
2582	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Solar Photovoltaic Water Pumping Systems	Voltage	Micro Pumping Systems (2016-17), Clause II & ANNEXURE - II of MNRE Ref No. 41/06/2015-16/PVSE Dt.Jan
2583	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Submersible pump sets	Submersible Motors , Single Phase Motors , "Motor designed for operation at voltages other than 240 V"	Cl 8.10, Cl 8.10.1, Cl 8.10.1.3 of IS 8034 :
2584	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Submersible pump sets	Breakaway (Starting)Torque Test	Cl 9.7 of IS 8034 :
2585	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Submersible pump sets	Current	Cl 11.3 of IS 8034 :
2586	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Submersible pump sets	High Voltage Test	Cl 9.3 of IS 8034 :
2587	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Submersible pump sets	Hydrostatic Pressure Test	Cl 10.3 of IS 8034
2588	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Submersible pump sets	Hydrostatic Pressure Test Upto 250m head	Cl 10.3 of IS 8034 :

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2589	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Submersible pump sets	Insulation Resistance Test	Cl 9.2 of IS 8034 :
2590	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Submersible pump sets	Leakage Current Test	Cl 9.4 of IS 8034
2591	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Submersible pump sets	Leakage Current Test, Upto 50mA	Cl 9.4 of IS 8034 :
2592	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Breakaway (starting)torque (Type test)	Cl 9.10.g of IS 8034
2593	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Breakaway (Starting)Torque Test	Cl 9.7 of IS 8034 :
2594	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Current	Cl 11.3 of IS 8034 :
2595	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Flow measurement	Cl 10.2.2 of IS 8034
2596	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Head measurement	Cl 10.2.1 of IS 8034
2597	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	High voltage test (Routine test)	Cl 9.9.b of IS 8034
2598	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	High voltage test (Type test)	Cl 9.10.b of IS 8034
2599	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	High Voltage Test	Cl 9.3 of IS 8034 :
2600	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Hydrostatic Pressure Test	Cl 10.3 of IS 8034
2601	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Hydrostatic Pressure Test	Cl 10.3 of IS 8034 :
2602	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Insulation resistance test (Routine test)	Cl 9.9.a of IS 8034
2603	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Insulation resistance test (Type test)	Cl 9.10.a of IS 8034
2604	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Insulation Resistance Test	Cl 9.2 of IS 8034 :
2605	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Leakage Current Test	Cl 9.4 of IS 8034
2606	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Leakage current test (Type test)	Cl 9.10.h of IS 8034
2607	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Leakage Current Test, Upto 50mA	Cl 9.4 of IS 8034 :

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2608	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Locked rotor test (Routine test)	Cl 9.9.d of IS 8034
2609	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Locked rotor test (Type test)	Cl 9.10.f of IS 8034
2610	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Measurement of stator resistance (Type test)	Cl 9.10.c of IS 8034
2611	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Momentary overload test	Cl 9.10.m of IS 8034
2612	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	No load test (Routine test)	Cl 9.9.c of IS 8034
2613	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	No load test (Type test)	Cl 9.10.d of IS 8034
2614	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Overall Efficiency	Cl 11.5 of IS 8034
2615	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Overall Efficiency	Cl 11.5 of IS 8034
2616	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Overall Efficiency - Power measurement	Cl 11.5 of IS 8034
2617	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Rated speed	Cl 8.10.1.6 of IS 8034 :
2618	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Rated speed	Cl 8.10.2.5 of IS 8034 :
2619	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Rated voltage and rated frequency	Cl 8.10.1.1 and Cl 8.10.1.2 of IS 8034 :
2620	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Rated voltage and rated frequency	Cl 8.10.2.1 of IS 8034 :
2621	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Rated voltage and rated frequency	Cl 8.10.2.1 of IS 8034 :
2622	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Ratings ,Types of motors	Cl 8.10.1.4 , Cl 8.10.1.5 of IS 8034 :
2623	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Reduced voltage test (Type test)	Cl 9.10.e of IS 8034
2624	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Routine Test, Type Test , TEST FOR HYDRAULIC PERFORMANCE ON PUMP FOR SUBMERSIBLE PUMPSET,	Cl 9.9, Cl 9.10, Cl 10.1 , Cl 10.2 of IS 8034 :
2625	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Speed	Cl 9.8 of IS 8034 :

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2626	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Temperature rise test at rated voltage (Type test)	Cl 9.10.j of IS 8034
2627	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Temperature rise test at reduced voltage (Type test)	Cl 9.10.k of IS 8034
2628	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Temperature Rise Test	Cl 9.5 of IS 8034 :
2629	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	TESTS FOR ELECTRICAL PERFORMANCE ON SUBMERSIBLE MOTOR , General ,	Cl 9, Cl 9.1 and Cl 9.1.1, Cl 9.1.3, Cl 9.1.4, Cl 9.1.5, Cl 9.1.6, Cl 9.1.7, Cl 9.1.8 & Cl 9.1.9 of IS 8034 :
2630	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Three Phase Motors , "Motor designed for operation at voltages other than 415 V" , Ratings, Types of motors	Cl 8.10.2 , Cl 8.10.2.2 , Cl 8.10.2.3 ,Cl 8.10.2.4 of IS 8034 : 2018
2631	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Verification of general requirements - Motor designed for operation at voltages other than 240 V	Cl 8.10.1.3 of IS 8034
2632	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Verification of general requirements - Motor designed for operation at voltages other than 415 V; Ratings; Type of motors	Cl 8.10.2.2 , Cl 8.10.2.3 ,Cl 8.10.2.4 of IS 8034 : 2018
2633	ELECTRICAL- ROTATING ELECTRICAL MACHINES	SUBMERSIBLE PUMPSETS	Verification of tests applicable for Electrical performance submersible motor	Cl 9, Cl 9.1 and Cl 9.1.1, Cl 9.1.3, Cl 9.1.4, Cl 9.1.5, Cl 9.1.6, Cl 9.1.7, Cl 9.1.8 & Cl 9.1.9 of IS 8034 :
2634	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar pump controller (USPC)	Circuit Power Factor	As per MNRE specification Clause 2.VI As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July
2635	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Controller	As per MNRE specificationTechnical specification for stand alone application Cl.2 .III As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July
2636	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Current	As per MNRE specification Clause 2.VI As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July

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2637	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Desire motor operation	As per MNRE specification Technical specification for stand alone application Cl.2 .I As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July
2638	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Efficiency	As per MNRE specificationTechnical specification for stand alone application Cl.2 .VII.6 As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July
2639	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Electrical properties	As per MNRE specification Technical specification for stand alone application Cl.2 .II As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July
2640	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Frequency	As per MNRE specification Clause 2.I As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July
2641	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Harmonics	As per MNRE specification Clause 2.II As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July
2642	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Mode operation	As per MNRE specification Technical specification for stand alone application Cl.2 .VII.3 As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July
2643	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar pump controller (USPC)	MPPT efficiency	As per MNRE specification Technical specification for stand alone application Cl.2 .IV As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July
2644	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Off-grid Solar pump controller	As per MNRE specification Technical specification for stand alone application Cl.2 .VII.1 As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July

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2645	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Remote monitoing & remot fault identification	As per MNRE specification Technical specification for stand alone application Cl.2 .VII As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July
2646	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Total Circuit Power	As per MNRE specification Clause 2.III and Clause 2.VI As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July
2647	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Voltage	As per MNRE specification Clause 2.I and Clause 2.VI As per Annexure-III of Circular Ref.No.41/3/2018-SPV Division dated July
2648	ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment & Synchrophasor	Measurement compliance test and evaluation - Reference and test conditions	IEC/IEEE 60255-118-1-2018
2649	ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment & Synchrophasor	Measurement reporting latency compliance	IEEE C37.118.1-2011 / IEEE C37.118.1a-2014
2650	ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Thermal Electrical Relays 1.2)Determination of steady-state errors related to the operating current value 1.3)Determination of steady-state errors related to the characteristic quantity and the operate time 1.3.1)Accuracy determination of the cold curve 1.3.2)Accuracy determination of the hot curves	IEC 60255-149-2013
2651	ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Dielectric test/ Dielectric voltage test on Electrical Timer Relays	IEC 60255-27- 2013 / IS 5834 (Part III)-1981 Reaffirmed 2019 Amendment 1994

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2652	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Over/under current protection 1.0) Determination of steady state errors relating to the characteristic quantity 1.1) Accuracy of setting (start) value 1.2) Reset ratio determination 2.0) Determination of the steady state errors related to the start and operate time 3.0) Determination of steady state error related to the reset time 4.0) Determination of transient performance 5.0) Response to time varying values of the characteristic quantity for dependent time relay	IEC 60255-151-2009 / IS/IEC: 60255-151-2009
2653	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Impulse voltage test on Electrical Timer Relay	IS/IEC 60255-Part 27:2013 / IS 5834 (Part III)-1981 Reaffirmed 2019 Amendment 1994
2654	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Measurement of Insulation resistance/Insulation Resistance on electrical timer relay	IS/IEC 60255-Part 27-2013 / IEC 60255-27- 2013 / IS 5834 (part III)-1981 Reaffirmed 2019 Amendment 1994
2655	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment :	Contact current	IS/IEC 60255-Part 1-2009
2656	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Distance Protection 1.3) Dynamic performance 1.3.2 Dynamic performance: operate time and transient overreach (SIR diagrams) 1.3.3) Dynamic performance: operate time and transient overreach (CVT-SIR diagrams) 1.3.4) Dynamic performance: transient overreach tests 1.3.5) Dynamic performance: typical operate time	IEC 60255-121-2014
2657	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact current	IS/IEC 60255-Part 1-2009

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2658	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact current	IS/IEC 60255-Part 1-2009
2659	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact performance	IS/IEC 60255-Part 1-2009
2660	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact performance	IS/IEC 60255-Part 1-2009
2661	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact performance	IS/IEC 60255-Part 1-2009
2662	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1.2)Determination of steady state errors related to the characteristic quantity 1.2.1)Accuracy of the start value 1.2.2)Reset hysteresis or reset ratio determination 1.3)Determination of the start time 1.3.2)Under/over frequency 1.3.3)Rate of change of frequency 1.4)Determination of the accuracy of the operate time delay 1.4.3)Report of the operate time-delay acc	IEC 60255-181-2019
2663	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1.5)Determination of disengaging time 1.5.2)Under/over frequency 1.5.3)Rate of change of frequency 1.6)Performance with harmonics 1.6.2)Accuracy of the under/over frequency start value in the presence of harmonics 1.6.3)Accuracy of the ROCOF start value in the presence of harmonics	IEC 60255-181-2019
2664	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment & Synchrophasor	Measurement compliance test and evaluation - Steady-state compliance a.Signal frequency b.Voltage signal magnitude c.Current signal magnitude d.Harmonic Distortion (Single Harmonic) e.Out-of-band interference	IEC/IEEE 60255-118-1-2018

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2665	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment & Synchrophasor	Measurement compliance test and evaluation Reference and test conditions	IEC/IEEE 60255-118-1-2018
2666	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment & Synchrophasor	Measurement compliance test and evaluation -Dynamic compliance Measurement Bandwidth	IEC/IEEE 60255-118-1-2018
2667	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment & Synchrophasor	Measurement compliance test and evaluation -PMU reporting latency compliance	IEC/IEEE 60255-118-1-2018
2668	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection Equipment:	Functional requirements for Over/under Voltage protection 1.0)Determination of steady state errors relating to the characteristic quantity 1.1)Accuracy of setting(start)value 1.2)Reset ratio determination 2.0)Determination of the steady state errors related to the start and operate time 3.0)Determination of steady state error related to the reset time 4.0)Determination of transient performance)Transient overreach 4.2)Overshoot time for undervoltage protection 5.0)Response to time varying values	IEC 60255-127- 2010 / IS/IEC 60255-127-2010
2669	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment:	Functional requirements for Thermal Electrical Relays 1.2)Determination of steady-state errors related to the operating current value 1.3)Determination of steady-state errors related to the characteristic quantity and the operate time 1.3.1)Accuracy determination of the cold curve 1.3.2)Accuracy determination of the hot curves	IEC 60255-149-2013
2670	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	11 kV Horn gap fuse DO fuse, HG fuses & expulsion fuses	Temperature rise test	IS:9385-2:2018 IEC 60282-2:2008 IS:9385-1 & 2

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2671	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	A.C Metal enclosed Switchgear & Control-gear	Short Time current test	IEC 62271-203: 2011 / IS/IEC 62271-203 : 2011 (Reaffirmed 2018) / IEC 62271 – 201:2014 / IS/IEC 62271-1: 2007 (Reaffirmed 2018) / IEC 62271-1: 2017+ AMD1:2021 / ANSI/IEEE : C37.20.2/
2672	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	A.C Metal enclosed Switchgear & Control-gear	Short Time current test	IEC 62271-203: 2011 / IS/IEC 62271-203 : 2011 (Reaffirmed 2018) / IEC 62271 – 201:2014 / IS/IEC 62271-1: 2007 (Reaffirmed 2018) / IEC 62271-1: 2017+ AMD1:2021 / ANSI/IEEE : C37.20.2/
2673	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	A.C. Circuit Breakers for Railway applications	Temperature Rise Test	IEC 60077-4:2019
2674	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	A.C. Circuit Breakers for Railway applications	Temperature Rise Test	IEC 60077-4:2019
2675	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	AB Switches and switch disconnectors	Dielectric test	IS/IEC 62271-103:2011 RA:2015 / IEC 62271-103: 2021
2676	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	AB Switches and switch disconnectors	Mechanical Endurance	IS/IEC 62271-103:2011 RA:2015 / IEC 62271-103: 2021
2677	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	AB Switches and switch disconnectors	Resistance measurement	IS/IEC 62271-103:2011 RA:2015 / IEC 62271-103: 2021
2678	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	AB Switches and switch disconnectors	Short time current tests	IS/IEC 62271-103:2011 RA:2015 / IEC 62271-103: 2021
2679	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	AB Switches and switch disconnectors	Temperature rise test	IS/IEC 62271-103:2011 RA:2015 / IEC 62271-103: 2021
2680	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	AC disconnec- tors and Earth Switches	Short Time current test Induced current switching test	IS 9921 part 1,2,3,4, 5 2007, IEC 62271-102
2681	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	AC disconnec- tors and Earth Switches	Short Time current test Induced current switching test	IS 9921 part 1,2,3,4,5 2007, IEC 62271-102

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2682	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	AC insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	Short time current test	IEC 62271-201 :
2683	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	All types of Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Dry Heat (High Temperature) Test	IEC 60068-2-2:2007 IS 9000, Part 3, Section 1 to 5:1977 IEC 60571
2684	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	All types of Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Cold (Low Temeperature) Test	IEC 60068-2-1 2007, IS 9000 part 2 sec 1 to 4 2016, IEC 60571
2685	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	All types of Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Cold (Low Temeperature) Test	IEC 60068-2-1:2007 IS 9000, Part 2, Section 1 to 4:1977 (Reaffirmed 2016) IEC 60571
2686	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	All types of Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Cold (Low Temeperature) Test	IEC 60068-2-1:2007 IS 9000, Part 2, Section 1 to 4:1977 (Reaffirmed 2016) IEC 60571:
2687	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Arrester Disconnector Switches Disconnectors Switch disconector & fuse combination units Contactors & motor starters Control circuit devices & switching elements Composite units of air break switches and rewireable type fuses for voltages not exceeding 650 V a.c.	Rated making and breaking capacity test	IS/IEC 60947 (Part 1: 2007 RA:2012& Part 3 :2003 RA:2013) IEC 60947 (Part 1:2014-09 & Part 3
2688	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Automatic circuit recloser	Short time current test	IEC 62271-111: 2019
2689	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Basic Short circuit test duties and short line fault tests - Direct test facility - Synthetic test facility	High Voltage Circuit Breakers	IS/IEC 62271-100: 2008 (Reaffirmed 2017) IEC 62271-100:2017 IEC 62271 – 101:2017
2690	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Bus-transfer current switching tests on disconnectors	Resistance measurement	IS IEC 62271-102:2018 / IEC 62271-102: 2018
2691	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit breakers Switches Disconnectors Switch disconnector & fuse combination units Contactors & motor starters Control circuit devices & switching elements	Temperature rise	IS IEC 60947 part 1 :2007 (RA-2017) / IS IEC 60947 Part 2 -2016 / IS IEC 60947 part 3 : 2012 (RA-2018) / IS IEC 60947 Part 4-1:2012 (RA-2018) / IEC 60947 part 1 :2020 / IEC 60947 part 2 :2016 Amd 1:2019 / IEC 60947-3:2020 / IEC 60947-4-1:2018 / IEC 60947-4-2:2020

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2692	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit breakers	Short circuit making & breaking capacity	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-2:2016 / IEC 60947-1:2020 / IEC 60947-2:2016 Amd: 2019
2693	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit breakers	Dielectric-properties, Routine & Sampling tests	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-2:2016 / IEC 60947-1:2020 / IEC 60947-2:2016 Amd: 2019
2694	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit breakers	Electrical durability Electrical & Mechanical endurance	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-2:2016 / IEC 60947-1:2020 / IEC 60947-2:2016 Amd: 2019
2695	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit breakers	Making and breaking capacities Tripping limits & Characteristics Operational performance	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-2:2016 / IEC 60947-1:2020 / IEC 60947-2:2016 Amd: 2019
2696	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit breakers	Overload performance	IS/IEC 60947-1:2007 RA:2017 / IEC 60947-4-2-2020 / IS/IEC 60947-4-2-2020 / IS/IEC 60947-2:2016 / IEC 60947-1:2020 / IEC 60947-2:2016 Amd: 2019: 2019
2697	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit breakers	Short time current test	IS/IEC 60947-1:2007 RA:2017 / IEC 60947-4-2-2020 / IS/IEC 60947-4-2-2020 / IS/IEC 60947-2:2016 / IEC 60947-1:2020 / IEC 60947-2:2016 Amd: 2019
2698	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit breakers	Temperature rise	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-2:2016 / IEC 60947-1:2020 / IEC 60947-2:2016 Amd: 2016
2699	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Composite units of air break switches and rewireable type fuses for voltages not exceeding 650 V a.c. AC Miniature circuit breaker boards for voltage not exceeding 1 kV Distribution pillars for voltages not exceeding 1000 V AC and 1200 V DC Enclosed distribution fuse boards and cutouts for voltages not exceeding 1000 V AC and 1200 V DC LV Rewirable fuses	Short circuit breaking capacity	IS 10027 : 2018 IS 13032 : 1991 (RA 2016) IS 5039: 1983 (RA 2016) IS 2675:1983 (RA 2016) IS:2086 : 1993 (RA :

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2700	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Composite units of air break switches and rewireable type fuses for voltages not exceeding 650 V a.c. AC Miniature circuit breaker boards for voltage not exceeding 1 kV Distribution pillars for voltages not exceeding 1000 V AC and 1200 V DC Enclosed distribution fuse boards and cutouts for voltages not exceeding 1000 V AC and 1200 V DC LV Rewirable fuses	Temperature rise Power acceptance	IS 10027 : 2018 IS 13032 : 1991 (RA 2016) IS 5039: 1983 (RA 2016) IS 2675:1983 (RA 2016) IS:2086 : 1993 (RA :
2701	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Composite units of air break switches and rewireable type fuses for voltages not exceeding 650 V a.c.	Electrical durability Electrical & Mechanical endurance	IS 10027: 2018
2702	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Composite units of air break switches and rewireable type fuses for voltages not exceeding 650 V a.c.	Rated fused short circuit current test & Conditional Short Circuit Test	IS 10027: 2018
2703	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Composite units of air break switches and rewireable type fuses for voltages not exceeding 650 V a.c.	Rated making and breaking capacity test & Conditional Short Circuit Test	IS 10027: 2018
2704	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Composite units of air break switches and rewireable type fuses for voltages not exceeding 650 V a.c.	Temperature rise	IS 10027: 2018
2705	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Contactors & motor starters	Electrical durability Electrical & Mechanical endurance	IS/IEC 60947-1:2007 RA:2017 / IEC 60947-4-2-2020 / IS/IEC 60947-4-2-2020 / IS/IEC 60947-2:2016 / IEC 60947-1:2020 / IEC 60947-2:2016 Amd: 2019: 2019
2706	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Contactors & motor starters	Dielectric-properties, Routine & Sampling tests	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-4-1:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-4-1: 2018
2707	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Contactors & motor starters	Electrical durability Electrical & Mechanical endurance	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-4-1:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-4-1: 2018
2708	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Contactors & motor starters	Making and breaking capacities Tripping limits & Characteristics Operational performance	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-4-1:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-4-1: 2018
2709	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Contactors & motor starters	Rated making and breaking capacity test	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-4-1:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-4-1: 2018

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2710	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Contactors & motor starters	Short circuit making & breaking capacity	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-4-1:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-4-1: 2018
2711	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Contactors & motor starters	Short time current test	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-4-1:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-4-1: 2018
2712	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Contactors & motor starters	Temperature rise	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-4-1:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-4-1: 2018
2713	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Control circuit devices & switching	Rated making and breaking capacity test	IS/IEC 60947-1:2007 RA:2017 / IEC 60947-4-2-2020 / IS/IEC 60947-4-2-2020 / IS/IEC 60947-2:2016 / IEC 60947-1:2020 / IEC 60947-2:2016 Amd: 2019: 2019
2714	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Control circuit devices & switching elements	Dielectric-properties, Routine & Sampling tests	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-5-1:2009 RA:2018 / IEC 60947-1:2020 / IEC 60947-5-1:2016 / IEC 60947-5-2:2012 / IEC 60947-5-3: 2013
2715	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Control circuit devices & switching elements	Electrical durability Electrical & Mechanical endurance	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-5-1:2009 RA:2018 / IEC 60947-1:2020 / IEC 60947-5-1:2016 / IEC 60947-5-2:2012 / IEC 60947-5-3: 2013
2716	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Control circuit devices & switching elements	Impulse voltage test	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-5-1:2009 RA:2018 / IEC 60947-1:2020 / IEC 60947-5-1:2016 / IEC 60947-5-2:2012 / IEC 60947-5-3: 2013
2717	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Control circuit devices & switching elements	Making and breaking capacities Tripping limits & Characteristics Operational performance	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-5-1:2009 RA:2018 / IEC 60947-1:2020 / IEC 60947-5-1:2016 / IEC 60947-5-2:2012 / IEC 60947-5-3: 2013

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2718	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Control circuit devices & switching elements	Rated making and breaking capacity test	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-5-1:2009 RA:2018 / IEC 60947-1:2020 / IEC 60947-5-1:2016 / IEC 60947-5-2:2012 / IEC 60947-5-3: 2013
2719	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Control circuit devices & switching elements	Short circuit making & breaking capacity	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-5-1:2009 RA:2018 / IEC 60947-1:2020 / IEC 60947-5-1:2016 / IEC 60947-5-2:2012 / IEC 60947-5-3: 2013
2720	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Control circuit devices & switching elements	Short time current test	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-5-1:2009 RA:2018 / IEC 60947-1:2020 / IEC 60947-5-1:2016 / IEC 60947-5-2:2012 / IEC 60947-5-3: 2013
2721	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Control circuit devices & switching elements	Temperature rise	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-5-1:2009 RA:2018 / IEC 60947-1:2020 / IEC 60947-5-1:2016 / IEC 60947-5-2:2012 / IEC 60947-5-3: 2013
2722	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Current Transformers Power Transformers Distribu-tion Trans-formers, Traction transformers, Potential transformers	Short Time current test Ability to withstand short circuit & all routine tests	IS 2705 part 1-4 2007, IEC 6189-2 2012, IS 3156 2007, IEC 61869-5 2011, IEC 61869-3
2723	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Disconnectors Switch disconnector & fuse combination units	Electrical durability Electrical & Mechanical endurance	IS/IEC 60947 part 1 2012 & part 3 2013, IEC 60947 part 1 2014-09 & part 3
2724	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE	Short circuit capacity	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019
2725	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	Dielectric properties	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019
2726	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	Temperature rise	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019

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2727	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	Tripping characteristics Mechanical and electrical endurance	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019
2728	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	Non-interchangeability Indelibility of marking Reliability of screws, current carrying parts and connections	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019
2729	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	Reliability of terminals for external conductors	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019
2730	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	Protection against electric shock	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019
2731	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	Resistance to abnormal heat and to fire	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019
2732	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	Resistance to heat	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019
2733	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	Resistance to mechanical shock and impact	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019
2734	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	Resistance to rusting	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019
2735	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	28- Day Test	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934: 2019

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2736	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	Clearance & creepage distances	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019
2737	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories-circuit breakers for over current protection for household and similar installations Circuit breakers for equipment(CBE)	Marking General Mechanism	IS/IEC 60898-1:2015 / IS/IEC 60898-2:2003 RA:2017 / IEC 60898-1:2015 Amd-1:2019 / IEC 60898-2:2016 / IEC 60934 : 2019
2738	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Timer Relay for Industrial Purpose	Verification of Limits of Operation Verification of Resetting time Setting Accuracy test Repeat Accuracy test	IS 5834 (Part III)-1981 Reaffirmed 2019 Amendment 1994
2739	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical timer relays for Industrial purpose	Verification of Limits of Operation Verification of Resetting time Setting Accuracy test Repeat Accuracy test	IS : 5834 (Part III) -1981 Reaffirmed 2019 Amendment 1994
2740	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Cold (Low Temeperature) Test	IEC 60068-2-1:2007 IS 9000, Part 2, Section 1 to 4:1977 (Reaffirmed 2016) IEC 60571:
2741	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Cold (Low Temperature) Test	IEC 60068-2-1:2007 IS 9000, Part 2, Section 1 to 4:1977 (Reaffirmed 2016) IEC 60571:
2742	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Composite Temperature & Humidity Test	IEC 60068-2-30:2005 IS 9000, Part 5, Section 1 & 2:1981 (Reaffirmed 2016) IEC 60068-2-78:2012 IS 9000, Part 4:2008 (Reaffirmed 2015) IEC 60571
2743	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Composite Temperature & Humidity Test	IEC 60068-2-30:2005 IS 9000, Part 5, Section 1 & 2:1981 (Reaffirmed 2016) IEC 60068-2-78:2012 IS 9000, Part 4:2008 (Reaffirmed 2015) IEC 60571:
2744	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Composite Temperature & Humidity Test	IEC 60068-2-30:2005 IS 9000, Part 5, Section 1 & 2:1981 (Reaffirmed 2016) IEC 60068-2-78:2012 IS 9000, Part 4:2008 (Reaffirmed 2015) IEC 60571: 2012

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2745	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Composite Temperature & Humidity Test	IEC 60068-2-30:2005 IS 9000, Part 5, Section 1 & 2:1981 (Reaffirmed 2016) IEC 60068-2-78:2012 IS 9000, Part 4:2008 (Reaffirmed 2015) IEC 60571: 2012
2746	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Dry Heat (High Temperature) Test	IEC 60068-2-2:2007 IS 9000, Part 3, Section 1 to 5:1977 IEC 60571
2747	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Dry Heat (High Temperature) Test	IEC 60068-2-2:2007 IS 9000, Part 3, Section 1 to 5:1977 IEC 60571
2748	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Dry Heat (High Temperature) Test	IEC 60068-2-2:2007 IS 9000, Part 3, Section 1 to 5:1977 IEC 60571
2749	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Dry Heat (High Temperature) Test	IEC 60068-2-2:2007 IS 9000, Part 3, Section 1 to 5:1977 IEC 60571
2750	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Temperature Cycling Test	IEC 60068-2-14:2009 IS : 9000, Part 6:1978 (Reaffirmed 2016)
2751	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Temperature Cycling Test	IEC 60068-2-14:2009 IS : 9000, Part 6:1978 (Reaffirmed 2016)
2752	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Temperature Cycling Test	IEC 60068-2-14:2009 IS : 9000, Part 6:1978 (Reaffirmed 2016)
2753	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Relays and other articles	Temperature Cycling Test	IEC 60068-2-14:2009 IS : 9000, Part 6:1978 (Reaffirmed 2016)
2754	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Rolling Stock equipment for Railway applications and other articles	Mechanical Shock Test & Bump Test	IEC 60068-2-27:2008 IS 9000, Part 7, Section 1: 2006, (Reaffirmed 2016) IS 9000, Part 7, Section 2: 1979, (Reaffirmed 2016) IEC 61373:2010
2755	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Rolling Stock equipment for Railway applications and other articles	Mechanical Shock Test & Bump Test	IEC 60068-2-27:2008 IS 9000, Part 7, Section 1: 2006, (Reaffirmed 2016) IS 9000, Part 7, Section 2: 1979, (Reaffirmed 2016) IEC 61373:2010

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2756	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Rolling Stock equipment for Railway applications and other articles	Random Vibration Test	IEC 60068-2-64:2008 IEC 61373:2010
2757	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Rolling Stock equipment for Railway applications and other articles	Random Vibration Test	IEC 60068-2-64:2008 IEC 61373:2010
2758	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Rolling Stock equipment for Railway applications and other articles	Sine Vibration Test	IEC 60068-2-6:2007 JSS 55555:2012, Test No.28 IS 9000, Part 8:1981 (Reaffirmed 2015)
2759	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical, Electronic Instruments, Equipment, components, PCB's, MCB's, ACB's Rack mounted Equipment, Instrument/ Equipment panels, Rolling Stock equipment for Railway applications and other articles	Sine Vibration Test	IEC 60068-2-6:2007 JSS 55555:2012, Test No.28 IS 9000, Part 8:1981 (Reaffirmed 2015)
2760	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electromechanical elementary relays	Functional tests	IEC 61810-7-2006
2761	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electromechanical elementary relays	Functional tests	IEC 61810-7-2006
2762	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electromechanical Elementary Relays	Timing Test	IEC 61810 - 7 :
2763	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	End Products & Materials	Glow wire flammability test	IS 11000 (Part 2/Sec 1): 2018 IEC 60695-2-10-2013 IEC 60695-2-11-2014RLV IS 11000 (Part 2/Sec 1): 2018 IEC 60695-2-12-
2764	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Fault passage indicator	Short time current test	IEEE 495: 2007
2765	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Fault passage indicator	Tripping Current Test	IEEE 495: 2007

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2766	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	H.V Switchgear & Controlgear Part 1: Common specifications High Voltage ac circuit breaker Alternating Current disconnectors and earthing switches AC Switch fuse combination A.C. Metal enclosed Switchgear controlgear for rated voltage above 1kV and upto and including 52kV	Resistance Measurement	IEC 62271-1 :2017 / IEC 62271-100: 2021 / IEC 62271-102 :2018 / IEC 62271-103:2021 / IEC 62271-200:2021 / IEC 62271-105:2021 / IEC 62271-111:2019 / IEC 62271-202:2014 / IEC 62271-203:2011
2767	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	H.V Switchgear & Controlgear Part 1: Common specifications High Voltage ac circuit breaker Alternating Current disconnectors and earthing switches AC Switch fuse combination A.C. Metal enclosed Switchgear controlgear for rated voltage above 1kV and upto and including 52kV	Temperature Rise Test	IEC 62271-1: 2017 / IEC 62271-100: 2021 / IEC 62271-102 :2018 / IEC 62271-103:2021 / IEC 62271-200:2021 / IEC 62271-105:2021 / IEC 62271-111:2019 / IEC 62271-202:2014 / IEC 62271-203:2011
2768	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	H.V Switchgear & Controlgear Part 1: Common specifications High Voltage ac circuit breaker Alternating Current disconnectors and earthing switches AC Switch fuse combination A.C. Metal enclosed Switchgear controlgear for rated voltage above 1kV and upto and including 52kV	Temperature Rise Test	IS IEC 62271-1: 2007 (RA 2018) / IS IEC 62271-100: 2008 (RA 2017) / IS IEC 62271-102: 2018 / IS IEC 62271-105: 2012 / IS IEC 62271-111: 2012 (RA 2016) / IS IEC 62271-200 :2011 RA 2018 / IS IEC 62271-202 :2014 / IS IEC 62271-203:2011 RA :2018
2769	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	H.V Switchgear & Controlgear Part 1: Common specifications High Voltage ac circuit breaker Alternating Current disconnectors and earthing switches AC Switch fuse combination A.C. Metal enclosed Switchgear controlgear for rated voltage above 1kV and upto and including 52kV	Resistance Measurement	IS IEC 62271-1 :2007 (RA 2018) / IS IEC 62271-100 :2008 (RA 2017) / IS IEC 62271-102 :2018 / IS IEC 62271-105 :2012 / IS IEC 62271-111 :2012(RA 2016) / IS IEC 62271-200 :2011 RA 2018 / IS IEC 62271-202 :2014 / IS IEC 62271-203:2011 RA :2018
2770	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High voltage alternating current circuit breakers	Short time current test	IEC 62271-100 : 2012-09 IS 13118: 1991 (RA
2771	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Circuit Breakers	Basic Short circuit test duties and short line fault tests - Direct test facility - Synthetic test facility	IS/IEC 62271-100: 2008 (Reaffirmed 2017), IEC 62271-100-2017 ,IEC 62271 – 101
2772	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Fuses	Breaking capacity tests	IS 9385 Part-1/2/3/4/5 1979/80/80/83/83 (Reaffirmed 2007) IEC 60282 – 1& 2

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2773	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Fuses	Breaking capacity tests	IS 9385 Part-1: 2018 / IS 9385 Part-2: 2018 / IS 9385 Part-3: 1980 (Reaffirmed 2018) / IS 9385 Part-4: 1983 (Reaffirmed 2018) / IS 9385 Part-5: 1983 (Reaffirmed 2016) / IEC 60282-1: 2020 / IEC 60282-2: 2008 / IEC 60282-4
2774	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage fuses - Current limiting fuses High voltage fuses - Expulsion and similar fuses	Temperature Rise Test	IEC 60282-1 :2020 / IEC 60282-2 :2008
2775	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switch Boards Terminal Boxes M.V metal enclosed switchgear	Arcing due to Internal faults	IEC 62271-12011-08, ANSI/ IEEE C37.20.7.2001, IEC-61330
2776	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switch Boards Terminal Boxes M.V metal enclosed switchgear & GIS	Arcing due to Internal faults	IEC 62271-1: 2017+ AMD1:2021 / IS/IEC 62271-1: 2007 (Reaffirmed 2018) / IEC-62271-203: 2011 / IS/IEC 62271-203 : 2011 / IS/IEC 62271-200 : 2011 (Reaffirmed 2018) / ANSI/IEEE C37.20.7-2017 / IEC-62271-200
2777	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Line/Cable charging current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2778	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Line/Cable charging current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2779	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Line/Cable charging current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2780	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Line/Cable charging current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2781	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Short circuit making test	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IS/IEC 62271-102 : 2018 / IEC 62271-102: 2018 / IEC 62271 –103
2782	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Short circuit making test	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IS/IEC 62271-102 : 2018 / IEC 62271-102: 2018 / IEC 62271 –103

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2783	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Short circuit making test	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IS/IEC 62271-102 : 2018 / IEC 62271-102: 2018 / IEC 62271 –103
2784	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Short circuit making test	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IS/IEC 62271-102 : 2018 / IEC 62271-102: 2018 / IEC 62271 –103
2785	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Short circuit making test	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IS/IEC 62271-102 : 2018 / IEC 62271-102: 2018 / IEC 62271 –103
2786	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Short time current test	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103: 2021 / ANSI/IEEE C37:30.1: 2011 / ANSI/IEEE C37:30.1a: 2017 / ANSI/IEEE C37:30.5
2787	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Short time current test	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103: 2021 / ANSI/IEEE C37:30.1: 2011 / ANSI/IEEE C37:30.1a: 2017 / ANSI/IEEE C37:30.5
2788	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Short time current test	IS 9920-Part1-2002 (Reaffirmed 2007) IEC 62271 –103: 2011 ANSI/IEEE C37:30 (1997),C37:32(1996),C37:34
2789	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Short time current test	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103: 2021 / ANSI/IEEE C37:30.1: 2011 / ANSI/IEEE C37:30.1a: 2017 / ANSI/IEEE C37:30.5
2790	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Short time current test	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103: 2021 / ANSI/IEEE C37:30.1: 2011 / ANSI/IEEE C37:30.1a: 2017 / ANSI/IEEE C37:30.5

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2791	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Single capacitor bank current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2792	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Single capacitor bank current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2793	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Single capacitor bank current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2794	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Single capacitor bank current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2795	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Single capacitor bank current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2796	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Single capacitor bank current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2797	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Single capacitor bank current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2798	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Single capacitor bank current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2799	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Single capacitor bank current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2800	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Single capacitor bank current switching tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2801	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Transformer OFF Load current breaking/motor switching current breaking tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2802	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Transformer OFF Load current breaking/motor switching current breaking tests	IS/IEC 62271-103: 2011 (Reaffirmed 2015) / IEC 62271 –103
2803	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High Voltage Switches	Transformer OFF Load current breaking/motor switching current breaking tests	IS 9920-Part1-2002 (Reaffirmed 2007) IEC 62271 –103

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2804	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High-voltage switchgear and controlgear	Auxiliary contact rated continuous current, Auxiliary contact rated short time withstand current, Auxiliary contact breaking capacity	IEC 62271-1:2017 Amd-1:2021 / IS/IEC 62271-1:2007 RA: 2018
2805	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High-voltage switchgear and controlgear	Mechanical impact	IEC 62271-1:2017 Amd-1:2021 / IS/IEC 62271-1:2007 RA:2018 / IEC 62271-100:2021 / IS/IEC 62271-100:2008 RA:2017 / IS/IEC 62271-200:2011 RA:2018 / IEC 62271-200:2021 / IS/IEC 62271-201:2014 / IEC 62271-201: 2021
2806	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	High-voltage switchgear and controlgear	Short time current test	IEC 62271-1:2017 Amd-1:2021 / IS/IEC 62271-1:2007 RA:2018 / IEC 62271-100:2021 / IS/IEC 62271-100:2008 RA:2017 / IS/IEC 62271-200:2011 RA:2018 / IEC 62271-200:2021 / IS/IEC 62271-201:2014 / IEC 62271-201: 2021
2807	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	HV Load Break Switch, Isolators, Disconnectors and earthing switches	Bus-transfer current switching tests on disconnectors	IS/IEC 62271-102:2018 / IEC 62271-102: 2018
2808	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	HV Load Break Switch, Isolators, Disconnectors and earthing switches	Dielectric test	IS/IEC 62271-102:2018 / IEC 62271-102: 2018
2809	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	HV Load Break Switch, Isolators, Disconnectors and earthing switches	Short time current test	IS/IEC 62271-102:2018 / IEC 62271-102: 2018
2810	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	HV Load Break Switch, Isolators, Disconnectors and earthing switches	Temperature rise test	IS/IEC 62271-102:2018 / IEC 62271-102: 2018
2811	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Intelligent Electronic Device (IED) / Protection Relays / RTUs / Gateways / BCUs / Transformer Tap Changers / Any otther electronic equipments	Conformance Testing according to IEC 61850-10:2012	IEC 61850-10: 2012 as per UCA IuG Test Procedure with releavent IEC 61850 standard series referred in the Test Procedure / IEC 61850-10
2812	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Inter connection busbar for ac voltage above 1 kV up to & including 36 kV	Short time current test	IS 8084
2813	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Inter connection busbar for ac voltage above 1 kV up to & including 36 Kv	Short time current test	IS 8084

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2814	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Inter connection busbar for ac voltage above 1 kV up to & including 36 kV	Short TIme Current Test, Protection against electric shock and integrity of protective circuits	IS 8084:1976 RA: 2017
2815	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage fuse, Miniature fuses-links, LV rewirable fuse	Temperature rise, power dissipation, Measurement of the power dissipation of the fuse-link, Verification of temperature-rise limits and power loss. Temperature rise Power acceptance	IEC 60269-1:2006 AMD2:2014, IEC 60269-2:2013 AMD1:2016, IEC 60269-3:2010 AMD2:2019, IEC 60269-4:2009 AMD2:2016, IS 13703-2-1:1993 RA:2019, IS 13703-2-2:1993 RA:2019, IS 13703-4:1993 RA:2019, IS/IEC 60269-1:2014 RA:2018, IS/IEC 60269-2:2016, IS/IEC 60269-3:2010 IS/IEC 60269-6:2010 RA:2018 IEC 60269-1:2014-06, IEC 60127-1:2015, IEC 60127-1:2006 AMD2:2015, IS 2086: 1983 RA:2019, IS 2675:1983 RA:
2816	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage fuse, Miniature fuses-links, LV rewirable fuses	Conventional cable overload protection Cut-off current characteristic I2t characteristics, Verification of overcurrent discrimination .	IEC 60269-1:2006 AMD2:2014 / IEC 60269-2:2013 AMD1:2016 / IEC 60269-3:2010 AMD2:2019 / IEC 60269-4:2009 AMD2:2016 / IS 13703-2-1:1993 RA:2019 / IS 13703-2-2:1993 RA:2019 / IS 13703-4:1993 RA:2019 / IS/IEC 60269-1:2014 RA:2018 / IS/IEC 60269-2:2016 / IS/IEC 60269-3:2010 / IS/IEC 60269-6:2010 RA:2018 / IEC 60269-1:2014-06 / IEC 60127-1:2015 / IEC 60127-1:2006 AMD2:2015 / IS 2086: 1983 RA:2019 / IS 2675:1983 RA: 2016

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2817	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage fuse, Miniature fuses-links, LV rewirable fuses	Conventional non-fusing current Conventional fusing current Time-current characteristics, gates, Verification of operation Overload Verification of freedom from unacceptable levels of thermally induced drift, Verification of functionality at temperature extreme (50 °C)	IEC 60269-1:2006 AMD2:2014 / IEC 60269-2:2013 AMD1:2016 / IEC 60269-3:2010 AMD2:2019 / IEC 60269-4:2009 AMD2:2016 / IS 13703-2-1:1993 RA:2019 / IS 13703-2-2:1993 RA:2019 / IS 13703-4:1993 RA:2019 / IS/IEC 60269-1:2014 RA:2018 / IS/IEC 60269-2:2016 / IS/IEC 60269-3:2010 / IS/IEC 60269-6:2010 RA:2018 / IEC 60269-1:2014-06 / IEC 60127-1:2015 / IEC 60127-1:2006 AMD2:2015 / IS 2086: 1983 RA:2019 / IS 2675:1983 RA: 2016
2818	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage fuse, Miniature fuses-links, LV rewirable fuses	Dimensions & Visual Inspection	IEC 60269-1:2006 AMD2:2014 / IEC 60269-2:2013 AMD1:2016 / IEC 60269-3:2010 AMD2:2019 / IEC 60269-4:2009 AMD2:2016 / IS 13703-2-1:1993 RA:2019 / IS 13703-2-2:1993 RA:2019 / IS 13703-4:1993 RA:2019 / IS/IEC 60269-1:2014 RA:2018 / IS/IEC 60269-2:2016 / IS/IEC 60269-3:2010 / IS/IEC 60269-6:2010 RA:2018 / IEC 60269-1:2014-06 / IEC 60127-1:2015 / IEC 60127-1:2006 AMD2:2015 / IS 2086: 1983 RA:2019 / IS 2675:1983 RA: 2016
2819	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage fuse, Miniature fuses-links, LV rewirable fuses	Insulation resistance, Insulating properties, High voltage test, Testing of fuse-holders	IEC 60269-1:2006 AMD2:2014 / IEC 60269-2:2013 AMD1:2016 / IEC 60269-3:2010 AMD2:2019 / IEC 60269-4:2009 AMD2:2016 / IS 13703-2-1:1993 RA:2019 / IS 13703-2-2:1993 RA:2019 / IS 13703-4:1993 RA:2019 / IS/IEC 60269-1:2014 RA:2018 / IS/IEC 60269-2:2016 / IS/IEC 60269-3:2010 / IS/IEC 60269-6:2010 RA:2018 / IEC 60269-1:2014-06 / IEC 60127-1:2015 / IEC 60127-1:2006 AMD2:2015 / IS 2086: 1983 RA:2019 / IS 2675:1983 RA: 2016

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2820	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage fuse, Miniature fuses-links, LV rewirable fuses	Mechanical strength, Fuse-links with gripping lugs of moulded material or of metalfixed in moulded material, fuse base,withdrawl force, Degree of protection, Non-deterioration of contacts Freedom from season cracking	IEC 60269-1:2006 AMD2:2014 / IEC 60269-2:2013 AMD1:2016 / IEC 60269-3:2010 AMD2:2019 / IEC 60269-4:2009 AMD2:2016 / IS 13703-2-1:1993 RA:2019 / IS 13703-2-2:1993 RA:2019 / IS 13703-4:1993 RA:2019 / IS/IEC 60269-1:2014 RA:2018 / IS/IEC 60269-2:2016 / IS/IEC 60269-3:2010 / IS/IEC 60269-6:2010 RA:2018 / IEC 60269-1:2014-06 / IEC 60127-1:2015 / IEC 60127-1:2006 AMD2:2015 / IS 2086: 1983 RA:2019 / IS 2675:1983 RA: 2016
2821	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage fuse, Miniature fuses-links, LV rewirable fuses	Resistance	IEC 60269-1:2006 AMD2:2014 / IEC 60269-2:2013 AMD1:2016 / IEC 60269-3:2010 AMD2:2019 / IEC 60269-4:2009 AMD2:2016 / IS 13703-2-1:1993 RA:2019 / IS 13703-2-2:1993 RA:2019 / IS 13703-4:1993 RA:2019 / IS/IEC 60269-1:2014 RA:2018 / IS/IEC 60269-2:2016 / IS/IEC 60269-3:2010 / IS/IEC 60269-6:2010 RA:2018 / IEC 60269-1:2014-06 / IEC 60127-1:2015 / IEC 60127-1:2006 AMD2:2015 / IS 2086: 1983 RA:2019 / IS 2675:1983 RA: 2016
2822	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage fuse, Miniature fuses-links, LV rewirable fuses	Resistance to heat, Resistance to abnormal heat and fire	IEC 60269-1:2006 AMD2:2014 / IEC 60269-2:2013 AMD1:2016 / IEC 60269-3:2010 AMD2:2019 / IEC 60269-4:2009 AMD2:2016 / IS 13703-2-1:1993 RA:2019 / IS 13703-2-2:1993 RA:2019 / IS 13703-4:1993 RA:2019 / IS/IEC 60269-1:2014 RA:2018 / IS/IEC 60269-2:2016 / IS/IEC 60269-3:2010 / IS/IEC 60269-6:2010 RA:2018 / IEC 60269-1:2014-06 / IEC 60127-1:2015 / IEC 60127-1:2006 AMD2:2015 / IS 2086: 1983 RA:2019 / IS 2675:1983 RA: 2016

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2823	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage fuse, Miniature fuses-links, LV rewirable fuses	Resistance to rusting	IEC 60269-1:2006 AMD2:2014 / IEC 60269-2:2013 AMD1:2016 / IEC 60269-3:2010 AMD2:2019 / IEC 60269-4:2009 AMD2:2016 / IS 13703-2-1:1993 RA:2019 / IS 13703-2-2:1993 RA:2019 / IS 13703-4:1993 RA:2019 / IS/IEC 60269-1:2014 RA:2018 / IS/IEC 60269-2:2016 / IS/IEC 60269-3:2010 / IS/IEC 60269-6:2010 RA:2018 / IEC 60269-1:2014-06 / IEC 60127-1:2015 / IEC 60127-1:2006 AMD2:2015 / IS 2086: 1983 RA:2019 / IS 2675:1983 RA: 2016
2824	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage fuse, Miniature fuses-links, LV rewirable fuses	Short circuit breaking capacity	IEC 60269-1:2006 AMD2:2014 / IEC 60269-2:2013 AMD1:2016 / IEC 60269-3:2010 AMD2:2019 / IEC 60269-4:2009 AMD2:2016 / IS 13703-2-1:1993 RA:2019 / IS 13703-2-2:1993 RA:2019 / IS 13703-4:1993 RA:2019 / IS/IEC 60269-1:2014 RA:2018 / IS/IEC 60269-2:2016 / IS/IEC 60269-3:2010 / IS/IEC 60269-6:2010 RA:2018 / IEC 60269-1:2014-06 / IEC 60127-1:2015 / IEC 60127-1:2006 AMD2:2015 / IS 2086: 1983 RA:2019 / IS 2675:1983 RA: 2016
2825	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low Voltage Fuses For Voltages Not Exceeding 1000V AC Or 1500V DC	Temperature Rise Test	IS 13703 part 2 Sec 1 : 1993 RA:2019 / IS 13703 Part 2 Sec 2:1993 RA :2019 / IS 13703 part 4 RA:2019
2826	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage switch gear and control gear assembly	Resistance to UV radiation, flexural strength, charpy impact strength	ISO 4892-2:2013 / ISO 178:2019 / ISO 179-1:2010 / IEC 61439-1:2020 / IEC 61439-2-2020
2827	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage switch gear and control-gear assemblies	Short Time Current Test	IS 8623 Part 2: 1993 (Reaffirmed 2018) / IS 8623 Part 3: 1993 (Reaffirmed 2018) / IEC 61439-1:2020 / IEC 61439-2:2020 / IS/IEC 61439-1:2011 / IS/IEC 61439-2

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2828	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage switch gear and control-gear assemblies	Short Time Current Test	IS 8623 Part 2: 1993 (Reaffirmed 2018) / IS 8623 Part 3: 1993 (Reaffirmed 2018) / IEC 61439-1:2020 / IEC 61439-2:2020 / IS/IEC 61439-1:2011 / IS/IEC 61439-2
2829	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage Switchgear & Control gear assembly	Resistance to Corrosion	IEC 60068-2-30:2005 / IEC 60068-2-11:2021 / IEC 61439-1:2020 / IEC 61439-2-2020
2830	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage switchgear & controlgear Control circuit devices & switching elements Low voltage switchgear & controlgear assemblies	Impulse voltage test	IS/IEC 60947 (Part 1: 2007 RA :2017 & Part 5-1 :2009 RA :2018) IEC 60947 (Part 1:2014-09 & Part 5:2016) IS 8623 (1-3):1993 (RA 2018) IEC 60439-1 : 2004 IEC 60439-2 : 2005 IEC 61439-1 : 2011, IS 16636 : 2017, IEC 61921
2831	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage switchgear & controlgear Control circuit devices & switching elements Low voltage fuses for voltages not exceeding 1000 V a.c. or 1500 V d.c. Voltage transformer Current transformer Instrument transformer Electrical power connectors 11 kV Horn gap fuse	Temperature rise test	IS 13703 (Part 1 to 4) : 1993 (RA 2014) IEC 60269-1 : 2009 (Part 1 to Part 4)
2832	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage switchgear & controlgear Control circuit devices & switching elements Low voltage fuses for voltages not exceeding 1000 V a.c. or 1500 V d.c. Voltage transformer Current transformer Instrument transformer Electrical power connectors 11 kV Horn gap fuse	Temperature rise test	IS 13703 (Part 1 to 4) : 1993 (RA 2014) IEC 60269-1 : 2009 (Part 1 to Part 4)
2833	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage switchgear & controlgear Control circuit devices & switching elements Low voltage fuses for voltages not exceeding 1000 V a.c. or 1500 V d.c.	Temperature rise test	IS/IEC 60947 (Part 1: 2007 RA :2017 & Part 5-1 :2009 (RA : 2018) IEC 60947 (Part 1:2014-09 & Part 5:2016) IS 13703 (Part 1, 2 & 4) : 1993 (RA 2014) IEC 60269-1
2834	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage switchgear & controlgear assemblies	Impulse voltage test	IS 8623:1993 (RA 2013) IEC 60439-1 : 2004 IEC 60439-2 : 2005 IEC 61439-1

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2835	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage switchgear & controlgear assemblies	Internal arc test	IS/IEC 61439-1:2011 / IS/IEC 61439-2:2011 / IS/IEC 61439-3-2012 / IS/IEC 61439-4-2012 / IS/IEC 61439-5-2014 / IEC 61439-3-2012 / IEC 61439-4-2012 / IEC 61439-5-2014 / IS/IEC 61439-6:2012 / IEC 61439-1:2020 / IEC 61439-2:2020 / IEC 61439-6:2012 / IEC TR 61641:2014 / IEC 61921:2017 / IS 16636: 2017
2836	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage switchgear & controlgear assemblies	Short time current tests,	IS 8623:1993 (RA 2013) IEC 60439-1 : 2004 IEC 60439-2 : 2005 IEC 61439-1
2837	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low voltage switchgear & controlgear assemblies & APFC Panels	Short time current test	IS/IEC 61439-1:2011 / IS/IEC 61439-2:2011 / IS/IEC 61439-3-2012 / IS/IEC 61439-4-2012 / IS/IEC 61439-5-2014 / IEC 61439-3-2012 / IEC 61439-4-2012 / IEC 61439-5-2014 / IS/IEC 61439-6:2012 / IEC 61439-1:2020 / IEC 61439-2:2020 / IEC 61439-6:2012 / IEC TR 61641:2014 / IEC 61921:2017 / IS 16636: 2017: 2017
2838	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low-voltage fuses	Resistance to heat & fire	IEC 60269-1 : 2006 IS 13703 : 1993 (RA

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2839	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low-voltage switchgear and controlgear assemblies	Dielectric properties	IEC 61439-1:2011 IEC 61439-6:2012 IEC 60664-1:2007 IEC 61180-1:2016 IEC 61180-2:2016 IEC 60068-2-30:2005 IEC 60068-2-11:1981 ISO 4628-3:2003 IEC 60068-2-2:2007 IEC 60695-2-10:2013 IEC 60695-2-11:2014 IEC 62262:2002 IEC 60068-2-75:2014 IEC 62271-200:2011 IEC 61439-6: 2012, IS 16636 : 2017, IEC 61921
2840	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low-voltage switchgear and controlgear assemblies & APFC Panels	Clearance and creepage distances Lifting Marking	IEC 61439-1:2020 / IEC 61439-2:2020 / IEC 61439-6:2012 / IEC 60664-1:2020 / IEC 61180:2016 / IEC 60068-2-30:2005 / IEC 60068-2-11:2021 / ISO 4628-3:2003 / IEC 60068-2-2:2007 / IEC 60695-2-10:2021 / IEC 60695-2-11:2021 / IEC 62262:2021 / IEC 60068-2-75:2014 / IEC 61439-6: 2012 / IS 16636 : 2017 / IEC 61921:2017 / IS 16636: 2017
2841	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low-voltage switchgear and controlgear assemblies & APFC Panels	Mechanical impact Ability to withstand mechanical loads	IEC 61439-1:2020 / IEC 61439-2:2020 / IEC 61439-6:2012 / IEC 60664-1:2020 / IEC 61180:2016 / IEC 60068-2-30:2005 / IEC 60068-2-11:2021 / ISO 4628-3:2003 / IEC 60068-2-2:2007 / IEC 60695-2-10:2021 / IEC 60695-2-11:2021 / IEC 62262:2021 / IEC 60068-2-75:2014 / IEC 61439-6: 2012 / IS 16636 : 2017 / IEC 61921:2017 / IS 16636: 2017

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2842	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low-voltage switchgear and controlgear assemblies & APFC panels	Properties of insulating materials	IEC 61439-1:2020 / IEC 61439-2:2020 / IEC 61439-6:2012 / IEC 60664-1:2020 / IEC 61180:2016 / IEC 60068-2-30:2005 / IEC 60068-2-11:2021 / ISO 4628-3:2003 / IEC 60068-2-2:2007 / IEC 60695-2-10:2021 / IEC 60695-2-11:2021 / IEC 62262:2021 / IEC 60068-2-75:2014 / IEC 61439-6: 2012 / IS 16636 : 2017 / IEC 61921:2017 / IS 16636: 2017
2843	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low-voltage switchgear and controlgear assemblies & APFC Panels	Resistance to corrosion	IEC 61439-1:2020 / IEC 61439-2:2020 / IEC 61439-6:2012 / IEC 60664-1:2020 / IEC 61180:2016 / IEC 60068-2-30:2005 / IEC 60068-2-11:2021 / ISO 4628-3:2003 / IEC 60068-2-2:2007 / IEC 60695-2-10:2021 / IEC 60695-2-11:2021 / IEC 62262:2021 / IEC 60068-2-75:2014 / IEC 61439-6: 2012 / IS 16636 : 2017 / IEC 61921:2017 / IS 16636: 2017
2844	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low-Voltage Switchgear and controlgear assemblies- PSA, DBOs, PDBs,Busbar Trunking systems	Temperature Rise Test	IS/IEC 61439 Part 1 :2011 RA-2018 / IS/IEC 61439 Part 2:2011 RA:2018 / IS/IEC 61439 Part 3:2012 / IEC 61439 Part 4: 2012 / IEC 61439 Part 5 :2014 / IS IEC 61439 Part 6:2012 / IS 8623 Part 2:1993 RA 2018 / IS 8623 Part 3:1993 RA:2018
2845	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Low-voltage switchgearand controlgear assemblies- Power switchgear and controlgear assemblies, Distribution Boards Intended to be Operated by Ordinary Persons (DBO) Busbar trunking systems (Busways)	Temperature Rise Test	IEC 61439-1:2020 / IEC 61439-2:2020 / IEC 61439-3:2012 / IEC 61439-4:2012 / IEC 61439-5:2014 / IEC 61439-6:2012

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2846	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	LV Rewirable fuses	Electrical durability Electrical & Mechanical endurance	IS:2086 : 1993 (RA
2847	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	M.V Distribution Fuse boards	Temperature Rise Test	ESI Std 37-2 Issue 3 Amd 1:2013
2848	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Metal Enclosed Bus IEEE Standard for Metal-Clad and Station-Type Cubicle Switchgear	Temperature Rise Test	IEEE-C.37.23 2015 / IEEE-C.37.20.2 : 2015
2849	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Metal Enclosed Bus	Temperature Rise Test	ANSI IEEE C 37.23 : 2015
2850	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Metal fittings of insulators for overhead power lines with nominal voltage greater than 1000 volts	Resistance Measurement	IS 2486-1 :1993 RA:2018
2851	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Metal fittings of insulators for overhead power lines with nominal voltage greater than 1000 volts	Resistance Measurement	IS 2486-1 :1993 RA:2018
2852	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Outdoor Metal-Enclosed bus ducts	Continuous Current Test/Temperature Rise Test	ANSI IEEE C 37.23 : 2015
2853	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Power Switchgear for Switching,Interrupting,Metering,Protection, Regulating purposes	Continuous current Test/Temperature Rise Test	IEEE C37.100
2854	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Prefabricated package sub-station	Short time current test	IEC 62271-202
2855	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB, RCBO, MCCB, MCB	Testing & measurement techniques Surge immunity test	IEC 61000-4-5 : 2014 IS:14700: Part 4: Sec 5: 2012 RA
2856	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB, RCBO, MCCB, MCB & Others	Oscillatory wave immunity test / Ring wave test	IEC 61000-4-12:2017 IS:14700: Part 4: Sec 12: 2008 (RA
2857	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relay and protective equipment	Accuracy and operating characteristics	IEC 60255-13-1980 / IS/IEC 60255-13-1980

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2858	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relay ans Protection equiipment	Distance Protection 1.4) Performance with harmonics 1.4.1) Steady state harmonics tests 1.4.2) Transient oscillation tests (network simulation L-C) 1.5) Performance during off-nominal frequency 1.5.1) Steady state frequency deviation tests 1.5.2) Transient frequency deviation tests 1.6) Double infeed tests 1.6.1) Double infeed tests for single line 1.6.2) Double infeed tests parallel lines (without mutual inductance) 1.6.3) Reporting of double infeed tests results	IEC 60255-121-2014
2859	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relay ans Protection equipment	Distance Protecti 1.2) Rated frequency characteristic accuracy tests 1.2.2) Basic characteristic accuracy under steady state conditions 1.2.3) Basic directional accuracy under steady state conditions 1.2.4) Determination of accuracy related to time delay setting 1.2.5) Determination and reporting of the disengaging time	IEC 60255-121-2014
2860	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relay ans Protection equipment	Distance Protection 1.2) Rated frequency characteristic accuracy tests 1.2.2) Basic characteristic accuracy under steady state conditions 1.2.3) Basic directional accuracy under steady state conditions 1.2.4) Determination of accuracy related to time delay setting 1.2.5) Determination and reporting of the disengaging time	IEC 60255-121-2014

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2861	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection Equipment	Functional requirements for Distance Protection 1.4) Performance with harmonics 1.4.1) Steady state harmonics tests 1.4.2) Transient oscillation tests (network simulation L-C) 1.5) Performance during off-nominal frequency 1.5.1) Steady state frequency deviation tests 1.5.2) Transient frequency deviation tests 1.6) Double in feed tests 1.6.1) Double in feed tests for single line 1.6.2) Double in feed tests parallel lines (without mutual inductance)	IEC 60255-121-2014
2862	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Operation and Accuracy	IEC 60255-12-1980 / IS/IEC 60255-12-1980
2863	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Operation and Accuracy	IEC 60255-12-1980 / IS/IEC 60255-12-1980
2864	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	1.0 Contact performance 1.1) Mechanical endurance 1.2) Limited making capacity 1.3) Contact current 1.4) Limited breaking capacity	IEC 60255-1-2009 / IS/IEC 60255-1-2009
2865	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Thermal Electrical Relays 1.2)Determination of steady-state errors related to the operating current value 1.3)Determination of steady-state errors related to the characteristic quantity and the operate time 1.3.1)Accuracy determination of the cold curve 1.3.2)Accuracy determination of the hot curves	IEC 60255-149-2013
2866	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Operation and Accuracy	IEC 60255-12-1980 / IS/IEC 60255-12-1980

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2867	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Thermal Electrical Relays 1.4 Performance with specific cooling thermal time constant 1.5 Performance with harmonics 1.6 Performance during frequency variations 1.7 Performance during different ambient temperatures	IEC 60255-149-2013
2868	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Thermal Electrical Relays 1.2)Determination of steady-state errors related to the operating current value 1.3)Determination of steady-state errors related to the characteristic quantity and the operate time 1.3.1)Accuracy determination of the cold curve 1.3.2)Accuracy determination of the hot curves	IEC 60255-149-2013
2869	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Over/under current protection 1.0) Determination of steady state errors relating to the characteristic quantity 1.1) Accuracy of setting (start) value 1.2) Reset ratio determination 2.0) Determination of the steady state errors related to the start and operate time 3.0) Determination of steady state error related to the reset time 4.0) Determination of transient performance 5.0) Response to time varying values of the characteristic quantity for dependent time relay	IEC 60255-151-2009 / IS/IEC 60255-151-2009
2870	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Dielectric test/ Dielectric voltage test on Electrical Timer relays	IEC 60255-27- 2013 / IS 5834 (Part III)-1981 Reaffirmed 2019 Amendment 1994

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2871	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1)Functional test methodology 1.2)Determination of steady state errors related to the characteristic quantity 1.2.1)Accuracy of the start value 1.2.2)Reset hysteresis or reset ratio determination 1.3)Determination of the start time 1.3.2)Under/over frequency 1.3.3)Rate of change of frequency 1.4)Determination of the accuracy of the operate time delay 1.4.2)Description of test method 1.4.3)Report of the operate time-delay acc	IEC 60255-181-2019
2872	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1)Functional test methodology 1.2)Determination of steady state errors related to the characteristic quantity 1.2.1)Accuracy of the start value 1.2.2)Reset hysteresis or reset ratio determination 1.3)Determination of the start time 1.3.2)Under/over frequency 1.3.3)Rate of change of frequency 1.4)Determination of the accuracy of the operate time delay 1.4.2)Description of test method 1.4.3)Report of the operate time-delay acc	IEC 60255-181-2019
2873	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1)Functional test methodology 1.2)Determination of steady state errors related to the characteristic quantity 1.2.1)Accuracy of the start value 1.2.2)Reset hysteresis or reset ratio determination 1.3)Determination of the start time 1.3.2)Under/over frequency 1.3.3)Rate of change of frequency 1.4)Determination of the accuracy of the operate time delay 1.4.2)Description of test method 1.4.3)Report of the operate time-delay acc	IEC 60255-181-2019

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2874	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1)Functional test methodology 1.2)Determination of steady state errors related to the characteristic quantity 1.2.1)Accuracy of the start value 1.2.2)Reset hysteresis or reset ratio determination 1.3)Determination of the start time 1.3.2)Under/over frequency 1.3.3)Rate of change of frequency 1.4)Determination of the accuracy of the operate time delay 1.4.2)Description of test method 1.4.3)Report of the operate time-delay acc	IEC 60255-181-2019
2875	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1.5)Determination of disengaging time 1.5.2)Under/over frequency 1.5.3)Rate of change of frequency 1.6)Performance with harmonics 1.6.2)Accuracy of the under/over frequency start value in the presence of harmonics 1.6.3)Accuracy of the ROCOF start value in the presence of harmonics	IEC 60255-181-2019
2876	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1.7)Stability in the case of sudden voltage change (phase shift and magnitude change 1.7.2)Performance in case of voltage phase shift and magnitude change 1.7.3)Performance in case of voltage magnitude drop and restoration	IEC 60255-181-2019
2877	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1.7)Stability in the case of sudden voltage change (phase shift and magnitude change) 1.7.2)Performance in case of voltage phase shift and magnitude change 1.7.3)Performance in case of voltage magnitude drop and restoration	IEC 60255 - 181

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2878	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1.7)Stability in the case of sudden voltage change (phase shift and magnitude change) 1.7.2)Performance in case of voltage phase shift and magnitude change 1.7.3)Performance in case of voltage magnitude drop and restoration	IEC 60255-181-2019
2879	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1.7)Stability in the case of sudden voltage change (phase shift and magnitude change) 1.7.2)Performance in case of voltage phase shift and magnitude change 1.7.3)Performance in case of voltage magnitude drop and restoration	IEC 60255-181-2019
2880	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1.7)Stability in the case of sudden voltage change (phase shift and magnitude change) 1.7.2)Performance in case of voltage phase shift and magnitude change 1.7.3)Performance in case of voltage magnitude drop and restoration	IEC 60255-181-2019
2881	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Over/under current protection 1.0) Determination of steady state errors relating to the characteristic quantity 1.1) Accuracy of setting (start) value 1.2) Reset ratio determination 2.0) Determination of the steady state errors related to the start and operate time 3.0) Determination of steady state error related to the reset time 4.0) Determination of transient performance 5.0) Response to time varying values of the characteristic quantity for dependent time relay	IEC 60255-151- 2009 / IS/IEC 60255-151-2009

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2882	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Over/under current protection 1.0) Determination of steady state errors relating to the characteristic quantity 1.1) Accuracy of setting (start) value 1.2) Reset ratio determination 2.0) Determination of the steady state errors related to the start and operate time 3.0) Determination of steady state error related to the reset time 4.0) Determination of transient performance 5.0) Response to time varying values of the characteristic quantity for dependent time relay	IEC 60255-151-2009 / IS/IEC 60255-151-2009
2883	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Thermal Electrical Relays 1.4 Performance with specific cooling thermal time constant 1.5 Performance with harmonics 1.6 Performance during frequency variations 1.7 Performance during different ambient temperatures	IEC 60255-149-2013
2884	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Measurement of Insulation resistance/Insulation Resistance of Electrical Timer relay	IEC 60255-27- 2013 / IS 5834 (Part III)-1981 Reaffirmed 2019 Amendment 1994
2885	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Operation and Accuracy	IEC 60255-12-1980 / IS/IEC 60255 -12-1980
2886	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Slow Damped Oscillatory Immunity Test	IEC 61000-4-18-2019 / IEC 60255 - 26-2013
2887	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Verification of Limits of Operation , Verification of Resetting time, Setting Accuracy test, Repeat Accuracy test of Electrical Timer Relays	IS 5834 (Part III)-1981 Reaffirmed 2019 Amendment 1994

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2888	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment :	Functional requirements for Thermal Electrical Relays 1.2)Determination of steady-state errors related to the operating current value 1.3)Determination of steady-state errors related to the characteristic quantity and the operate time 1.3.1)Accuracy determination of the cold curve 1.3.2)Accuracy determination of the hot curves	IEC 60255-149-2013
2889	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Distance Protection 1.3) Dynamic performance 1.3.2 Dynamic performance: operate time and transient overreach (SIR diagrams) 1.3.3) Dynamic performance: operate time and transient overreach (CVT-SIR diagrams) 1.3.4) Dynamic performance: transient overreach tests 1.3.5) Dynamic performance: typical operate time	IEC 60255-121-2014
2890	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Distance Protection 1.3) Dynamic performance 1.3.2 Dynamic performance: operate time and transient overreach (SIR diagrams) 1.3.3) Dynamic performance: operate time and transient overreach (CVT-SIR diagrams) 1.3.4) Dynamic performance: transient overreach tests 1.3.5) Dynamic performance: typical operate time	IEC 60255-121-2014

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2891	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Distance Protection 1.4) Performance with harmonics 1.4.1) Steady state harmonics tests 1.4.2) Transient oscillation tests (network simulation L-C) 1.5) Performance during off-nominal frequency 1.5.1) Steady state frequency deviation tests 1.5.2) Transient frequency deviation tests 1.6) Double infeed tests 1.6.1) Double infeed tests for single line 1.6.2) Double infeed tests parallel lines (without mutual inductance) 1.6.3) Reporting of double infeed tests results	IEC 60255-121-2014
2892	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Distance Protection 1.4) Performance with harmonics 1.4.1) Steady state harmonics tests 1.4.2) Transient oscillation tests (network simulation L-C) 1.5) Performance during off-nominal frequency 1.5.1) Steady state frequency deviation tests 1.5.2) Transient frequency deviation tests 1.6) Double infeed tests 1.6.1) Double infeed tests for single line 1.6.2) Double infeed tests parallel lines (without mutual inductance) 1.6.3) Reporting of double infeed tests results	IEC 60255-121-2014
2893	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Distance Protection 1) Functional tests 1.2) Rated frequency characteristic accuracy tests 1.2.2) Basic characteristic accuracy under steady state conditions 1.2.3) Basic directional accuracy under steady state conditions 1.2.4) Determination of accuracy related to time delay setting 1.2.5) Determination and reporting of the disengaging time	IEC 60255-121-2014

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2894	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Distance Protection 1.3) Dynamic performance 1.3.2 Dynamic performance: operate time and transient overreach (SIR diagrams) 1.3.3) Dynamic performance: operate time and transient overreach (CVT-SIR diagrams) 1.3.4) Dynamic performance: transient overreach tests 1.3.5) Dynamic performance: typical operate time	IEC 60255-121-2014
2895	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Distance Protection 1.3) Dynamic performance 1.3.2 Dynamic performance: operate time and transient overreach (SIR diagrams) 1.3.3) Dynamic performance: operate time and transient overreach (CVT-SIR diagrams) 1.3.4) Dynamic performance: transient overreach tests 1.3.5) Dynamic performance: typical operate time	IEC 60255-121-2014
2896	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Distance Protection 1.3) Dynamic performance 1.3.2 Dynamic performance: operate time and transient overreach (SIR diagrams) 1.3.3) Dynamic performance: operate time and transient overreach (CVT-SIR diagrams) 1.3.4) Dynamic performance: transient overreach tests 1.3.5) Dynamic performance: typical operate time	IEC 60255-121-2014

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2897	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Distance Protection 1) Functional tests 1.2) Rated frequency characteristic accuracy tests 1.2.2) Basic characteristic accuracy under steady state conditions 1.2.3) Basic directional accuracy under steady state conditions 1.2.4) Determination of accuracy related to time delay setting 1.2.5) Determination and reporting of the disengaging time	IEC 60255-121-2014
2898	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Distance Protection 1) Functional tests 1.2) Rated frequency characteristic accuracy testsl 1.2.2) Basic characteristic accuracy under steady state conditions 1.2.3) Basic directional accuracy under steady state conditions 1.2.4) Determination of accuracy related to time delay setting 1.2.5) Determination and reporting of the disengaging time	IEC 60255-121-2014
2899	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Distance Protection 1.4) Performance with harmonics 1.4.1) Steady state harmonics tests 1.4.2) Transient oscillation tests (network simulation L-C) 1.5) Performance during off-nominal frequency 1.5.1) Steady state frequency deviation tests 1.5.2) Transient frequency deviation tests 1.6) Double infeed tests 1.6.1) Double infeed tests for single line 1.6.2) Double infeed tests parallel lines (without mutual inductance) 1.6.3) Reporting of double infeed tests results	IEC 60255-121-2014

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2900	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Thermal Electrical Relays 1.4 Performance with specific cooling thermal time constant 1.5 Performance with harmonics 1.6 Performance during frequency variations 1.7 Performance during different ambient temperatures	IEC 60255-149-2013
2901	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	accuracy and operating characteristics	IEC 60255-13-1980 / IS/IEC 60255-13-1980
2902	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	accuracy and operating characteristics	IEC 60255-13-1980 / IS/IEC 60255-13-1980
2903	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Frequency protection 1.5)Determination of disengaging time 1.5.2)Under/over frequency 1.5.3)Rate of change of frequency 1.6)Performance with harmonics 1.6.2)Accuracy of the under/over frequency start value in the presence of harmonics 1.6.3)Accuracy of the ROCOF start value in the presence of harmonics	IEC 60255-181-2019
2904	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	1.0) Burden Tests 1.1) Burden for voltage transformers 1.2) Burden for Current transformers 1.3) Burden for AC power supply 1.3.1) Quiescent state burden 1.3.2) Maximum load 1.4) Burden for DC power supply 1.4.1) Quiescent state burden 1.4.2) Maximum load 1.5) Burden for Binary input	IEC 60255-1-2009 / IS/IEC 60255-1-2009

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2905	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	1.0) Burden Tests 1.1) Burden for voltage transformers 1.2) Burden for Current transformers 1.3) Burden for AC power supply 1.3.1) Quiescent state burden 1.3.2) Maximum load 1.4) Burden for DC power supply 1.4.1) Quiescent state burden 1.4.2) Maximum load 1.5) Burden for Binary input	IEC 60255-1-2009 / IS/IEC 60255-1-2009
2906	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	1.0) Burden Tests 1.1) Burden for voltage transformers 1.2) Burden for Current transformers 1.3) Burden for AC power supply 1.3.1) Quiescent state burden 1.3.2) Maximum load 1.4) Burden for DC power supply 1.4.1) Quiescent state burden 1.4.2) Maximum load 1.5) Burden for Binary input	IEC 60255-1-2009 / IS/IEC 60255-1-2009
2907	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	1.0) Burden Tests 1.1) Burden for voltage transformers 1.2) Burden for Current transformers 1.3) Burden for AC power supply 1.3.1) Quiescent state burden 1.3.2) Maximum load 1.4) Burden for DC power supply 1.4.1) Quiescent state burden 1.4.2) Maximum load 1.5) Burden for Binary input	IEC 60255-1-2009 / IS/IEC 60255-1-2009
2908	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	1.0) Burden Tests 1.1) Burden for voltage transformers 1.2) Burden for Current transformers 1.3) Burden for AC power supply 1.3.1) Quiescent state burden 1.3.2) Maximum load 1.4) Burden for DC power supply 1.4.1) Quiescent state burden 1.4.2) Maximum load 1.5) Burden for Binary input	IEC 60255-1-2009 / IS/IEC 60255-1-2009
2909	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	accuracy and operating characteristics	IEC 60255-13-1980 / IS/IEC 60255-13-1980

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2910	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	accuracy and operating characteristics	IEC 60255-13-1980 / IS/IEC 60255-13-1980
2911	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact current	IS/IEC 60255-Part 1-2009
2912	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact current	IS/IEC 60255-Part 1-2009
2913	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact current	IS/IEC 60255-Part 1-2009
2914	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact current	IS/IEC 60255-Part 1-2009
2915	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact current	IS/IEC 60255-Part 1-2009
2916	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact current	IS/IEC 60255-Part 1-2009
2917	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact current	IS/IEC 60255-Part 1-2009
2918	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact performance	IS/IEC 60255-1-2009
2919	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact performance	IS/IEC 60255-Part 1-2009
2920	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact performance	IS/IEC 60255-Part 1-2009
2921	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact performance	IS/IEC 60255-Part 1-2009
2922	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact performance	IS/IEC 60255-Part 1-2009
2923	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact performance	IS/IEC 60255-Part 1-2009

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2924	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Contact performance	IS/IEC 60255-Part 1-2009
2925	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Dielectric type test	IEC 60255-1-2009 / IS/IEC 60255-1-2009
2926	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Dielectric type test	IEC 60255-1-2009 / IS/IEC 60255-1-2009
2927	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Distance Protection 1) Functional test 1.2) Rated frequency characteristic accuracy tests 1.2.2) Basic characteristic accuracy under steady state conditions 1.2.3) Basic directional accuracy under steady state conditions 1.2.4) Determination of accuracy related to time delay setting 1.2.5) Determination and reporting of the disengaging time	IEC 60255-121-2014
2928	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays And Protection Equipment	frequency protection 1.5)Determination of disengaging time 1.5.2)Under/over frequency 1.5.3)Rate of change of frequency 1.6)Performance with harmonics 1.6.2)Accuracy of the under/over frequency start value in the presence of harmonics 1.6.3)Accuracy of the ROCOF start value in the presence of harmonics	IEC 60255-181-2019
2929	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Thermal Electrical Relays 1.4 Performance with specific cooling thermal time constant 1.5 Performance with harmonics 1.6 Performance during frequency variations 1.7 Performance during different ambient temperatures	IEC 60255-149-2013

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2930	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Functional requirements for Thermal Electrical Relays 1.4 Performance with specific cooling thermal time constant 1.5 Performance with harmonics 1.6 Performance during frequency variations 1.7 Performance during different ambient temperatures	IEC 60255-149-2013
2931	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited breaking capacity	IS/IEC 60255-1-2009
2932	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited breaking capacity	IS/IEC 60255-Part 1-2009
2933	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited breaking capacity	IS/IEC 60255-Part 1-2009
2934	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited breaking capacity	IS/IEC 60255-Part 1-2009
2935	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited breaking capacity	IS/IEC 60255-Part 1-2009
2936	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited breaking capacity	IS/IEC 60255-Part 1-2009
2937	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited breaking capacity	IS/IEC 60255-Part 1-2009
2938	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited breaking capacity	IS/IEC 60255-Part 1-2009
2939	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited breaking capacity	IS/IEC 60255-Part 1-2009
2940	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited breaking capacity	IS/IEC 60255-Part 1-2009
2941	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited making capacity	IS/IEC 60255-1-2009

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2942	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited making capacity	IS/IEC 60255-1-2009
2943	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited making capacity	IS/IEC 60255-1-2009
2944	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited making capacity	IS/IEC 60255-Part 1-2009
2945	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited making capacity	IS/IEC 60255-Part 1-2009
2946	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited making capacity	IS/IEC 60255-Part 1-2009
2947	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited making capacity	IS/IEC 60255-Part 1-2009
2948	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited making capacity	IS/IEC 60255-Part 1-2009
2949	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited making capacity	IS/IEC 60255-Part 1-2009
2950	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Limited making capacity	IS/IEC 60255-Part 1-2009
2951	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Measurement compliance test and evaluation - Dynamic compliance Performance during ramp of system frequency	IEC/IEEE 60255-118-1-2018
2952	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Measurement compliance test and evaluation - Dynamic compliance Performance under step changes in phase and magnitude	IEC/IEEE 60255-118-1-2018
2953	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Measurement of insulation resistance	IEC 60255-1-2009 / IS/IEC 60255-1-2009

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2954	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Measurement of insulation resistance	IEC 60255-1-2009 / IS/IEC 60255-1-2009
2955	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Measurement of insulation resistance	IEC 60255-1-2009 / IS/IEC 60255-1-2009
2956	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Mechanical endurance	IS/IEC 60255-1-2009
2957	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Mechanical endurance	IS/IEC 60255-1-2009
2958	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Mechanical endurance	IS/IEC 60255-1-2009
2959	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Mechanical endurance	IS/IEC 60255-Part 1-2009
2960	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Mechanical endurance	IS/IEC 60255-Part 1-2009
2961	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Mechanical endurance	IS/IEC 60255-Part 1-2009
2962	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Mechanical endurance	IS/IEC 60255-Part 1-2009
2963	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Mechanical endurance	IS/IEC 60255-Part 1-2009
2964	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Mechanical endurance	IS/IEC 60255-Part 1-2009
2965	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment	Mechanical endurance	IS/IEC 60255-Part 1-2009
2966	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment	Operation and Accuracy	IEC 60255-12-1980 / IS/IEC 60255-12-1980

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2967	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and protection equipment :	Functional requirements for Distance Protection 1.3) Dynamic performance 1.3.2 Dynamic performance: operate time and transient overreach (SIR diagrams) 1.3.3) Dynamic performance: operate time and transient overreach (CVT-SIR diagrams) 1.3.4) Dynamic performance: transient overreach tests 1.3.5) Dynamic performance: typical operate time	IEC 60255-121-2014
2968	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment:	Functional requirements for Over/under current protection 1.0) Determination of steady state errors relating to the characteristic quantity 1.1) Accuracy of setting (start) value 1.2) Reset ratio determination 2.0) Determination of the steady state errors related to the start and operate time 3.0) Determination of steady state error related to the reset time 4.0) Determination of transient performance 5.0) Response to time varying values of the characteristic quantity for dependent time relay	IEC 60255-151- 2009 / IS/IEC 60255-151-2009

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2969	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment:	Functional requirements for Over/under Voltage protection 1.0)Determination of steady state errors relating to the characteristic quantity 1.1)Accuracy of setting(start)value 1.2)Reset ratio determination 2.0)Determination of the steady state errors related to the start and operate time 3.0)Determination of steady state error related to the reset time 4.0)Determination of transient performance)Transient overreach 4.2)Overshoot time for undervoltage protection 5.0)Response to time varying values	IEC 60255-127-2010 / IS/IEC 60255-127-2010
2970	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection Equipment:	Functional requirements for Over/under Voltage protection 1.0)Determination of steady state errors relating to the characteristic quantity 1.1)Accuracy of setting(start)value 1.2)Reset ratio determination 2.0)Determination of the steady state errors related to the start and operate time 3.0)Determination of steady state error related to the reset time 4.0)Determination of transient performance4.1)Transient overreach 4.2)Overshoot time for undervoltage protection 5.0)Response to time varying valu	IEC 60255-127- 2010 / IS/IEC 60255-127-2010

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2971	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Relays and Protection equipment:	Functional requirements for Over/under Voltage protection 1.0)Determination of steady state errors relating to the characteristic quantity 1.1)Accuracy of setting(start)value 1.2)Reset ratio determination 2.0)Determination of the steady state errors related to the start and operate time 3.0)Determination of steady state error related to the reset time 4.0)Determination of transient performance4.1)Transient overreach 4.2)Overshoot time for undervoltage protection 5.0)Response to time varying valu	IEC 60255-127-2010 / IS/IEC 60255-127-2010
2972	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RELAYS AND PROTECTIVE EQUIPMENT	Over/under Voltage protection. 1.0)Determination of steady state errors relating to the characteristic quantity 1.1)Accuracy of setting(start)value 1.2)Reset ratio determination 2.0)Determination of the steady state errors related to the start and operate time 3.0)Determination of steady state error related to the reset time 4.0)Determination of transient performance)Transient overreach 4.2)Overshoot time for undervoltage protection 5.0)Response to time varying values of the characteristic quant	IEC 60255-127- 2010 / IS/IEC 60255-127-2010
2973	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Non-interchangeability Indelibility of marking Reliability of screws, current carrying parts and connections	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991

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2974	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Reliability of terminals for external conductors	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2975	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Clearance & creepage distances	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2976	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Marking General Mechanism	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2977	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Protection against electric shock	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2978	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Resistance to abnormal heat and to fire	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991

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2979	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Resistance to heat	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2980	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Resistance to mechanical shock and impact	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2981	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Resistance to rusting	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2982	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Behaviour of RCCBs in case of an earth fault current comprising of d.c. component	IS 12640-1:2016, IS 12640-2:2016, IEC 60755:2017, IEC 61008-1:2013, IEC 61008-2-1:1990, IEC 61008-2-2:1990, IEC 61009-1:2013, IEC 61009-2-1:1991, IEC 61009-2-2
2983	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Behaviour of RCCBs in case of failure of the line voltage for RCCBs Limiting values of the non-operating current under overcurrent conditions	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991

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2984	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Behaviour of RCCBs under short-circuit conditions	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2985	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Dielectric properties	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2986	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Operating characteristic Mechanical and electrical endurance	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2987	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Reliability Ageing of electronic components	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2988	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Resistance against unwanted tripping due to current surges	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991

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2989	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Resistance of the insulation against an impulse voltage	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2990	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Short circuit capacity	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2991	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Temperature rise	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2992	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual current – operated circuit breakers	Trip-free mechanism Operation of the test device at the limits of rated voltage	IS 12640-1:2016 / IS 12640-2:2016 / IEC 60755:2017 / IEC 61008-1:2013 / IEC 61008-2-1:1990 / IEC 61008-2-2:1990 / IEC 61009-1:2013 / IEC 61009-2-1:1991 / IEC 61009-2-2: 1991
2993	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Rolling Stock equipment for Railway applications	Random Vibration Test & Mechanical Shock Test	IEC 61373
2994	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Rolling Stock equipment for Railway applications	Random Vibration Test & Mechanical Shock Test	IEC 61373
2995	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches Disconnectors Switch disconector & fuse combination units	Rated making and breaking capacity test & Conditional Short Circuit Test	IS/IEC 60947-1:2007 RA:2017, IS/IEC 60947-3:2012 RA:2018, IEC 60947-1:2020, IEC 60947-3

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2996	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches Disconnectors Switch disconnector & fuse combination units	Dielectric-properties, Routine & Sampling tests	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-3:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-3: 2020
2997	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches Disconnectors Switch disconnector & fuse combination units	Electrical durability Electrical & Mechanical endurance	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-3:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-3: 2020
2998	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches Disconnectors Switch disconnector & fuse combination units	Making and breaking capacities Tripping limits & Characteristics Operational performance	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-3:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-3: 2020
2999	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches Disconnectors Switch disconnector & fuse combination units	Short time current test	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-3:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-3: 2020
3000	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches Disconnectors Switch disconnector & fuse combination units	Temperature rise	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-3:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-3: 2020
3001	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches Disconnectors Switch disconnector & fuse combination units	Rated fused short circuit current test	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-3:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-3: 2020
3002	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches Disconnectors Switch disconnector & fuse combination units	Short circuit making & breaking capacity	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-3:2012 RA:2018 / IEC 60947-1:2020 / IEC 60947-3: 2020
3003	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches & switch disconnector for voltages above 1 kV & upto 33kV	Short time current test	IS 9920 : Part 1 : 2002(RA 2012) IEC 62271-200 : 2011 IS/IEC 62271-200:2011 (RA
3004	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switchgear and controlgear for voltages exceeding 1000 V	Short time current test	IS/IEC 62271-200:2011 RA : 2018 IS/IEC 62271-1:2007 (RA:
3005	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Synchrophasor Measurements for Power Systems	Dynamic compliance - performance under step change in phase and magnitude	IEEE C37.118.1-2011 / IEEE C37.118.1a-2014
3006	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Synchrophasor Measurements for Power Systems	Steady-state compliance-Signal Magnitude Voltage	IEEE C37.118.1-2011 / IEEE C37.118.1a-2014

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3007	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Synchrophasor Measurements for Power Systems	Dynamic compliance - Measurement Bandwidth	IEEE C37.118.1-2011 / IEEE C37.118.1a-2014
3008	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Synchrophasor Measurements for Power Systems	Dynamic compliance-performance during ramp of system frequency	IEEE C37.118.1-2011 / IEEE C37.118.1a-2014
3009	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Synchrophasor Measurements for Power Systems	Steady -state compliance -Out of Band Interference	IEEE C37.118.1-2011 / IEEE C37.118.1a-2014
3010	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Synchrophasor Measurements for Power Systems	Steady-State compliance - Harmonic Distortion (Single Harmonic)	IEEE C37.118.1-2011 / IEEE C37.118.1a-2014
3011	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Synchrophasor Measurements for Power Systems	Steady-state compliance-Phase Angle	IEEE C37.118.1-2011 / IEEE C37.118.1a-2014
3012	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Synchrophasor Measurements for Power Systems	Steady-state compliance-Signal Frequency Range	IEEE C37.118.1-2011 / IEEE C37.118.1a-2014
3013	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Synchrophasor Measurements for Power Systems	Steady-state compliance-Signal Magnitude Current	IEEE C37.118.1-2011 / IEEE C37.118.1a-2014
3014	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal blocks for copper conductors	Ageing test for screwless-type terminal blocks	IEC 60947-7-1: 2009
3015	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal blocks for copper conductors	Dielectric test	IEC 60947-7-1:: 2009
3016	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal blocks for copper conductors	Flexion test	IEC 60947-7-1: 2009
3017	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal blocks for copper conductors	Pull-out test	IEC 60947-7-1: 2009
3018	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal blocks for copper conductors	Short time withstand current test	IEC 60947-7-1: 2009
3019	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal blocks for copper conductors	Temperature-rise test	IEC 60947-7-1: 2009
3020	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal blocks for copper conductors	Test of mechanical strength of clamping units	IEC 60947-7-1: 2009

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3021	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal blocks for copper conductors	Verification of clearances and creepage distances	IEC 60947-7-1: 2009
3022	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Terminal blocks for copper conductors	Verification of the voltage drop	IEC 60947-7-1: 2009
3023	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switches	Dielectric-properties, Routine & Sampling tests	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-6-1:2013 / IEC 60947-1:2020 / IEC 60947-6-1: 2021
3024	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switches	Making and breaking capacities, Tripping limits & Characteristics, Operational performance	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-6-1:2013 / IEC 60947-1:2020 / IEC 60947-6-1: 2021
3025	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switches	Rated making and breaking capacity test	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-6-1:2013 / IEC 60947-1:2020 / IEC 60947-6-1: 2021
3026	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switches	Short circuit making & breaking capacity	IS/IEC 60947-1:2007 RA:2017 / IS/IEC 60947-6-1:2013 / IEC 60947-1:2020 / IEC 60947-6-1: 2021
3027	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switches	Temperature rise	IS/IEC 60947-1:2007 RA:2017, IS/IEC 60947-6-1:2013, IEC 60947-1:2020, IEC 60947-6-1
3028	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushings	Thermal and Dynamic short time current withstand test	IEC 60137 : 2017
3029	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	AC disconnectors and Earth Switches	Induced current switching test	IS/IEC 62271-102 :2003 (Reaffirmed 2018) / IEC 62271-102
3030	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	AC disconnectors and Earth Switches	Short Time current test Induced current switching test	IS/IEC 62271-102: 2018 / IEC 62271-102:2018
3031	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium conductors in insulated cables	Resistance Measurement	IS 8337 : 1976 RA:2020

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3032	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium conductors in insulated cables	Resistance Measurement	IS 8337 : 1976 RA:2020
3033	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Arrester Disconnector	Low current short-circuit test	IEC 60099-4: 2014
3034	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Arrester Disconnector	Time versus current curve	IEC 60099-4:2014 / IS 3070-3:1993 RA : 2014
3035	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Auto Recloser	Basic Short circuit test duties	IEC 62271-111: 2019 / IS/IEC 62271-111
3036	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Auto Recloser	Basic Short circuit test duties	IEC 62271-111: 2019 / IS/IEC 62271-111
3037	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Busducts, Busbars, Generator nuetral busbar compartment	Short Time current test	IS 8084 – 1976 (Reaffirmed 2017) / ANSI/IEEE C37.20.2: 2015 / ANSI/IEEE C37.23
3038	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Busducts, Busbars, Generator nuetral busbar compartment	Short Time current test	IS 8084 – 1976 (Reaffirmed 2017) / ANSI/IEEE C37.20.2: 2015 / ANSI/IEEE C37.23
3039	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Carries and bases in rewirable type electric fuses for voltages upto 650V	Test for Temperature Rise	IS 2086 :1993 RA:2019
3040	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Compression and Mechanical Connectors for Power Cables	Heat Cycling Test	IEC 61238-1-1:2018 / IEC 61238-1-3 :2018
3041	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductor and Earth Wire Accessories for Over head Power Lines	Resistance Measurement	IS 2121 part 2 : 1981 RA:2018
3042	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductor and earth wire accessories for over head power lines, mid span joints and repair sleeves for conductors	Resistance Measurement and Heating Cycle Test	IS 2121 part 2 :1981 RA :2018 / IS 2121 part 4 :1991 RA:2018

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3043	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductor and earthwire accessories for overhead power lines, mid span joints and repair sleeves for conductors	Resistance Measurement	IS 2121 part1 :1981 RA :2018 / IS 2121 part 2 :1981 RA :2018 / IS 2121 part 3 :1992 RA :2018 / IS 2121 part 4 :1991 RA: 2018
3044	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformer - Measuring Current transformers Protective current transformers Protective CT – Special Purpose	Temperature Rise Test	IS 16227 part 1:2016 / IS 16227 part 2:2016 RA:2021
3045	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers Transformers Distribu-tion Trans-formers, Traction transformers, Potential transformers	Short Time current test Ability to withstand short circuit & all routine tests	IS 2705 part 1-4 2007, IEC 6189-2 2012, IS 3156 2007, IEC 6189-5 2001, IEC 6189-3
3046	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformers Transformers Distribu-tion Trans-formers, Traction transformers, Potential transformers	Short Time current test Ability to withstand short circuit & all routine tests	IS 2705 part 1-4 2007, IEC 61869-2 2012, IS 3156 2007, IEC 61869-5 2001, IEC 61869-3
3047	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	CVT (Above 3.6kV to 420kV)	Ferro Resonance Test	IEC 61869-5
3048	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	CVT (above 3.6kV to 420kV)	Short circuit withstand capability test	IEC 61869-5
3049	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	CVT (above 3.6kV to 420kV)	Short circuit withstand capability test	IEC 61869-5
3050	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electric Power connection for substations	Temperature Rise Test	NEMA CC-1: 2009 RA:2015
3051	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electric power connectors	Resistance test	IS 5561 : 2018
3052	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electric Power connectors	Short time current test	IS 5561: 2018
3053	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Conductors—Connectors to use between Aluminium-to-Aluminium or Aluminium-to-Copper Bare Overhead Conductors	Temperature Rise Test	ANSI IEEE C 119.4:2016

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3054	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical Connectors – Connectors to Use Between Aluminium – to – Aluminium Or Aluminium – to – Copper Bare Overhead Conductors	Temperature Rise Test	ANSI IEEE C 119.4:2016
3055	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical power connectors	Temperature rise test	IS 5561
3056	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical power connectors	Temperature rise test	IS 5561 : 2018
3057	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.V Fuse - Current limiting fuses H.V Fuse - Expulsion of similar fuses	Temperature-rise tests and power-dissipation measurement	IS 9385 (Part 1): 2018 IEC 60282-1 : 2009 / IS 9385 (Part 2) : 2018 IEC 60282-2 :2008 / IEC 60282-1 :2014 / IEC 60282-2 :2008
3058	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Hard Drawn Stranded Aluminium and Steel cored Aluminium Conductors for Over head Power Transmission Purpose Aluminium conductor for overhead transmission purposes- Aluminium conductor galvanised steel reinforced Aluminium conductor galvanised steel reinforced for extra high voltage (400kv and above)	Resistance Measurement	IS 398-1 : 1996 (RA 2018) / IS 398-2 : 1996 (RA 2018) / IS 398-5 : 1992 RA: 2018
3059	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Hard Drawn Stranded Aluminium and Steel cored Aluminium Conductors for Over head Power Transmission Purpose Aluminium conductor for overhead transmission purposes- Aluminium conductor galvanised steel reinforced Aluminium conductor galvanised steel reinforced for extra high voltage (400kv and above)	Resistance Measurement	IS 398-1 : 1996 (RA 2018) / IS 398-2 :1996 (RA 2018) / IS 398-5 :1992 RA: 2018
3060	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Back to back capacitor bank current switching tests	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100: 2021 / IEC 62271–101
3061	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Back to back capacitor bank current switching tests	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100: 2021 / IEC 62271–101
3062	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Back to back capacitor bank current switching tests	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100: 2021 / IEC 62271–101

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3063	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Back to back capacitor bank current switching tests	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100: 2021 / IEC 62271–101
3064	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Basic Short circuit test duties and short line fault tests - Direct test facility - Synthetic test facility	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100:2021 / IEC 62271 – 101:2021 / IEC 62271-111
3065	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Basic Short circuit test duties and short line fault tests - Direct test facility - Synthetic test facility	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100:2021 / IEC 62271 – 101:2021 / IEC 62271-111
3066	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Basic Short circuit test duties and short line fault tests - Direct test facility - Synthetic test facility	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100:2021 / IEC 62271 – 101:2021 / IEC 62271-111
3067	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Basic Short circuit test duties and short line fault tests - Direct test facility - Synthetic test facility	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100:2021 / IEC 62271 – 101:2021 / IEC 62271-111
3068	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Line/Cable charging current switching tests	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100
3069	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Line/Cable charging current switching tests	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100
3070	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Line/Cable charging current switching tests	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100
3071	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Line/Cable charging current switching tests	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100
3072	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Mechanical operation	IEC 62271-1 : 2017 + AMD1: 2021 / IS/IEC 62271-1: 2007 (Reaffirmed 2018) / IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100

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3073	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Out of phase making and breaking tests - Direct testing facility - Synthetic test facility	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100:2021 / IEC 62271–101
3074	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Out of phase making and breaking tests - Direct testing facility - Synthetic test facility	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100:2021 / IEC 62271–101
3075	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Short time current test	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100: 2021 / IS/IEC 62271-1: 2007 (Reaffirmed 2018) / IEC 62271-1:2017+ AMD1
3076	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Single capacitor bank current switching tests	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100
3077	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Single capacitor bank current switching tests	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100
3078	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Single capacitor bank current switching tests	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100
3079	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Single capacitor bank current switching tests	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100
3080	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Small Inductive current switching tests (Transformer magnetising current)	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100:2021 / IEC 62271-110
3081	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Voltage Circuit Breakers	Small Inductive current switching tests (Transformer magnetising current)	IS/IEC 62271-100: 2008 (Reaffirmed 2017) / IEC 62271-100:2021 / IEC 62271-110

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3082	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformers	Short Time current test	IS 2705 – part 1 :1992 (Reaffirmed 2017) / IS 16227 (Part 2) : 2016 IEC 61869-2: 2012 / IEC 61869-1: 2007 / IEC 61869-3: 2011 / IEC 61869-5:2011 / IS/IEC 16227 Part 1: 2016 / IS/IEC 16227 Part 2: 2016 / IS/IEC 16227 Part 3
3083	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformers	Internal Arc test	IEC 61869-2: 2012 / IEC 61869-1: 2007 / IEC 61869-3
3084	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulated bushings for alternating voltages above 1000 V	Short time current tests	IS/IEC 60137:2017 / IEC 60137: 2017
3085	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulated bushings for alternating voltages above 1000 V	Temperature rise test	IS/IEC 60137:2017 / IEC 60137: 2017
3086	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulated bushings for alternating voltages above 1000V	Temperature Rise Test	IEC 60137:2017
3087	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulator Strings	Power Arc tests	IEC 61467
3088	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulator Strings	Power Arc tests	IEC 61467
3089	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulator Strings	Power Arc tests	IEC 61467
3090	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulator strings, Post Insulators, Railway insulators, Long rod insulators, Isolators, AB switches, Circuit Breakers, Reactors, Line Traps, Repair sleeves, Spacers, Spacer dampers, ACSR conductor and accessories rated from 3.6kV to 400kV(inclusive)	Corona inception /Extinction	IS 7312006, IS 10162 2007, IS 2071 pt1 2004, IS 2544 2006, IS 4318 2003, IS 398 pt. 5 2007, ANSI c29.1 1998, ANSI C 29.2 1992, C29.3 /86, c29.4/84/, C29.5/84, C29.6/84, C 29.7a/86, C29.9/83, RDSO SPEC 4318, IEC 60060-1

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3091	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Inter connecting Busbars for AC Voltage above 1kV upto and including 36kV	Temperature Rise Test	IS 8084 : 1976 RA:2017
3092	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	L V Distribution Fuse Boards	Temperature Rise Test	ESI Standard 37-2: Issue 3: Amd1:1974
3093	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Lightning Arrester	Low current short-circuit test	IEC 60099-4: 2014
3094	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Lightning Arrester	Short Circuit test	(Withdrawn)IS 3070 part-3:1993 (Reaffirmed 2019) / IS 15086-4:2017 IEC 60099–4:2014 / IEC 60099-4:2014
3095	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Lightning Arrester	Short Circuit test	IS 3070 part-3:1993 (Reaffirmed 2019) / IEC 60099–4
3096	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Lightning Arrester	Time versus current curve	IEC 60099-4:2014 / IS 3070-3:1993 RA : 2014
3097	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Line Traps	Short Time current test	IS 8793 – 1995 (Reaffirmed 2016) / IEC 60353 : 1989/ AMD1
3098	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Line Traps	Short Time current test	IS 8793 2008, IEC 60353
3099	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Line Traps	Short Time current test	IS 8793 2008, IEC 60353
3100	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Low voltage switchgear and control-gear assemblies (Busbar Trunking system)	Short Time Current Test	IEC 61439-6:2012 / IS/IEC 61439-6

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3101	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Low voltage switchgear and control-gear assemblies (Busbar Trunking system)	Short Time Current Test	IEC 61439-6:2012 / IS/IEC 61439-6
3102	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Overhead lines Requirements and Tests for Fittings	Magnetic losses test	IEC 61284:1997
3103	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Pantographs	Current Heating Tests	IEC 60494-1:2013
3104	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Pantographs	Current Heating Tests	IEC 60494-1:2013
3105	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Portable Equipment for earthing	Short Time current Test	IEC 61230
3106	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Portable Equipment for earthing	Short Time current Test	IEC 61230
3107	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Portable equipment for earthing & Discharge rod assembly	Short time current test	IEC 61230: 2008
3108	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Post Insulators	Arc Test	IEC 60168
3109	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Power Conne-ctors ACSR conductor	Short Time current test	IS 5561
3110	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Power Conne-ctors ACSR conductor	Short Time current test	IS 5561
3111	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Power Connectors ACSR conductor	Short Time current test	IS 5561

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3112	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Power Connectors ACSR conductor	Short Time current test	IS 5561
3113	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Power Connectors ACSR conductor	Short Time current test	IS 5561
3114	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Power Connectors ACSR conductor	Short Time current test	IS 5561
3115	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Power Transformers Distribution Transformers, Traction transformers	Ability to withstand short circuit & all routine tests	IS 2026 – part 1: 2011(Reaffirmed 2016) / IS 2026 – part 2: 2010 (Reaffirmed 2020) / IS 2026 – part 5: 2011 (Reaffirmed 2016) / IS 2026 (Part 3) : 2018 IEC 60076-3:2013 / IS 2026 (Part 11) : 2021 IEC 60076-11 : 2018 / IS 1180 Part 1 : 2014 / IS 1180 Part 3 : 2021 / IEC 60076-1: 2011 / IEC 60076-2: 2011 / IEC 60076-3: 2013 (Amd.1/2018) / IEC 60076-5: 2006 / IEC 60076-10: 2016 / IEC 60076-11: 2018 / IEC 60310: 2016 / ANSI :C.57.12.00-2015 / ANSI :C.57.12.90-2015 Cor 1-

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3116	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Power Transformers Distribution Transformers, Traction transformers	Ability to withstand short circuit & all routine tests	IS 2026 – part 1: 2011(Reaffirmed 2016) / IS 2026 – part 2: 2010 (Reaffirmed 2020) / IS 2026 – part 5: 2011 (Reaffirmed 2016) / IS 2026 (Part 3) : 2018 IEC 60076-3:2013 / IS 2026 (Part 11) : 2021 IEC 60076-11 : 2018 / IS 1180 Part 1 : 2014 / IS 1180 Part 3 : 2021 / IEC 60076-1: 2011 / IEC 60076-2: 2011 / IEC 60076-3: 2013 (Amd.1/2018) / IEC 60076-5: 2006 / IEC 60076-10: 2016 / IEC 60076-11: 2018 / IEC 60310: 2016 / ANSI :C.57.12.00-2015 / ANSI :C.57.12.90-2015 Cor 1-2017 / ANSI :C.57.12.00-2021
3117	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Power Transformers Distribution Transformers, Traction transformers	Loss Measurement	IS 2026 – Part 1:2011 (Reaffirmed 2016) / IEC 60076 -1
3118	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Prefabricated substation	Arcing due to Internal faults	IEC-62271-202:2014 / IS/IEC 62271-202
3119	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Prefabricated substation	Short Time current Test	IEC-62271-202:2014 / IS/IEC 62271-202
3120	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Prefabricated substation	Short Time current Test	IEC-62271-202:2014 / IS/IEC 62271-202
3121	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Prefabricated Substation/Compact Substation	Determination of sound levels	IEC 62271-202: 2014
3122	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Prefabricated Substation/Compact Substation	Mechanical Impact	IEC 62271-202: 2014

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3123	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Prefabricated Substation/Compact Substation	Short time current tests	IEC 62271-202: 2014
3124	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Prefabricated Substation/Compact Substation	Temperature rise test	IEC 62271-202: 2014
3125	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Reactors	Short Time current test	IS 2026 : Part 6 : 2017 : IEC 60076-6 : 2007 / IEC 60076-6
3126	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Reactors	Short Time current test	IS 2026 : Part 6 : 2017 : IEC 60076-6 : 2007 / IEC 60076-6
3127	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage transformers – Measuring voltage transformers Capacitor Voltage Transformers, Upto132KV , 450mA	Temperature Rise Test	IS 3156 part 1 2007, IS 3156 part 2 2007, IS 3156 part 3 2007, IS 3156 part 4
3128	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Voltage transformers – Measuring voltage transformers Capacitor Voltage Transformers, Upto132KV , 450mA	Temperature Rise Test	IS 3156 part 1, 2007, IS 3156 part 2 2007, IS 3156 part 3 2007, IS 3156 part 4
3129	ELECTRICAL- WIRING ACCESSORIES	Electric Ceiling Type fans	Interchangeability	(Cl. 12) IS 374
3130	ELECTRICAL- WIRING ACCESSORIES	Electric Ceiling Type fans	Performance Requirements	(Cl. 15) IS 374
3131	ELECTRICAL- WIRING ACCESSORIES	Electric Ceiling Type fans	Power Input	Cl. 10 of IS 302 (Part 2 /Sec 80) Cl. 18.2, Table 2(viii), IS 374
3132	ELECTRICAL- WIRING ACCESSORIES	Electric Ceiling Type fans	Safety Requirements	(Cl. 9) IS 374
3133	ELECTRICAL- WIRING ACCESSORIES	Electric Ceiling Type fans	Silent Operation	(Cl. 13) IS 374
3134	ELECTRICAL- WIRING ACCESSORIES	Electric Ceiling Type fans	Speed and power factor	(Cl. 14.4 & 14.5) IS 374
3135	ELECTRICAL- WIRING ACCESSORIES	Electric Ceiling Type fans	Speed Regulators	(Cl. 10) IS 374
3136	ELECTRICAL- WIRING ACCESSORIES	Electric Ceiling Type fans	Starting	(Cl. 11) IS 374

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3137	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Air delivery	(Cl 10.3) IS 555:1979 RA
3138	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Cord grip	(Cl 10.14) IS 555: 1979 RA
3139	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Creepage distance and clearance	(Cl 10.15) IS 555: 1979 RA
3140	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Earthing connections	(Cl 10.10) IS 555: 1979 RA
3141	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Fan speed and input	(Cl 10.9) IS 555: 1979 RA
3142	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	High voltage	(cl.10.6) IS 555: 1979 RA
3143	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Insulation resistance	(Cl 10.7.1) IS 555: 1979 RA
3144	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Leakage current	(Cl 10.5) IS 555
3145	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Mechanical endurance test for fan regulators	(Cl 10.13) IS 555: 1979 RA
3146	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Moisture resistance	(Cl 10.12) IS 555: 1979 RA
3147	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Oscillating mechanism	(Cl 10.16)IS 555: 1979 RA
3148	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Protection against electric shock for fan regulators	(Cl 10.11) IS 555: 1979 RA
3149	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Starting	(Cl 10.8)IS 555: 1979 RA
3150	ELECTRICAL- WIRING ACCESSORIES	Electrical table type fans and regulators	Temperature rise	(Cl. 10.4) IS 555
3151	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Deep freezers	Energy Consumption test	Cl.11.2 of IS 7872-2020
3152	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Deep Freezers	No load pull down test	Cl.11.1 of IS 7872-2020
3153	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Deep Freezers	Percentage run test	Cl.3.6 of IS 7872-2020

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3154	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Direct cool Refrigerator	Gross and Storage Volume	Cl.8 of IS 1476 - RART 1 : 2000, RA- 2021
3155	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Direct cool Refrigerator	Pull Down Test, Energy Consumption Ice, Making test	Cl.14.5 of IS 1476(Part-1):2000 RA-2021, Cl.14.9 of IS 1476(Part-1):2000 RA-2021, Cl.14.6 of IS 1476(Part-1):2000 RA-2021
3156	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Frost Free Refrigerator	Energy Consumption	Cl.14 of IS 15750-2006
3157	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Frost Free Refrigerator	Ice making Test	Cl.17 of IS 15750-2006 RA -2017
3158	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Frost Free Refrigerator	Pull down Test	Cl.16 of IS 15750-2006 RA 2017
3159	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Frost Free Refrigerator	Rated Gross and Storage Volume	Cl.5 of Is 15750-2006 RA-2017
3160	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Refrigerator Appliances	Pull down test	Cl.4.6 and Cl.4.7 of IS 17550(Part-1, Part-2,Part-3), -2021
3161	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Refrigerator Appliance	Volume measurement	Cl.4.8 of IS 17550(Part-1, Part-2, Part-3)-2021
3162	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split type Air conditioner	Capacity rating test	Cl.9.9 of Is 1391(Part-2)-2018
3163	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split type Air Conditioner	Maximum operating conditions test	Cl.9.4 of IS 1391(Part-2)-2018
3164	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split type Air Conditioner	Power Consumption test for cooling	Cl.9.7 of IS 1391(Part-2)-2018
3165	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Window/Unitary Type Air Conditioner	Capacity Rating test	Cl.10.10 of IS 1391(Part-1)-:2017
3166	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Window/Unitary Type Air conditioner	Maximum operating conditions test	Cl.10.4 of IS 1391(Part-1)-2017

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3167	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Window/Unitary Type Air Conditioner	Power Consumption test for cooling	Cl.10.8 of IS 1391(Part-1)-2017
3168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes	Breaking Load Test - Tensile	Clause 12.2 of IS 398 (Part 4): 1994, RA 2019
3169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes	Breaking Load Test - Tensile	Clause 12.2 of IS 398 (Part III): 1976, 2018
3170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes	Breaking Load Test - Tensile	Clause 12.3 of IS 398 (Part 1): 1996, RA 2018
3171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes	Breaking Load Test - Tensile	Clause 13.3 of IS 398 (Part 2): 1996, 2018
3172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes	Breaking Load Test - Tensile	Clause 13.5 of IS 398 (Part 5): 1992
3173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Galvanized Steel Reinforced	Surface Condition Test	Clause 13.9 of IS 398 (Part 2):1996, RA 2018
3174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Alloy Stranded Conductors (Aluminium-Magnesium-Silicon Type)	Breaking Load Test	Clause 12.2 of IS 398 (Part 4):1994, RA 2019
3175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Alloy Stranded Conductors (Aluminium-Magnesium-Silicon Type)	Elongation Test	Clause 12.3 of IS 398 (Part 4):1994, RA 2019
3176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Alloy Stranded Conductors (Aluminium-Magnesium-Silicon)	Resistance Test	Clause 12.4 of IS 398 (Part 4):1994, RA 2019
3177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors - Galvanized Steel - Reinforced for extra high voltage (400 kV and above)	Breaking Load Test on individual wires	Clause 13.5.2 of IS 398 (Part 5):1992, RA 2018
3178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Aluminized Steel Reinforced	Aluminizing Test	Clause 12.6 of IS 398 (Part 3):1976, RA 2019
3179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Aluminized Steel Reinforced	Breaking Load	Clause 12.2 of IS 398 (Part 3):1976, RA 2019
3180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Aluminized Steel Reinforced	Ductility Test	Clause 12.3 of IS 398 (Part 3):1976, RA 2019

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3181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Aluminized Steel Reinforced	Resistance Test	Clause 12.5 of IS 398 (Part 3):1976, RA 2019
3182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Aluminized Steel Reinforced	Wrapping Test	Clause 12.4 of IS 398 (Part 3):1976, RA 2019
3183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Galvanized Steel Reinforced	Breaking Load of Individual Wires	Clause 13.3.1 of IS 398 (Part 2):1996, RA 2018
3184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Galvanized Steel Reinforced	Ductility Test	Clause 13.4 of IS 398 (Part 2):1996, RA 2018
3185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Galvanized Steel Reinforced	Galvanizing Test	Clause 13.7 of IS 398 (Part 2):1996, RA 2018
3186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Galvanized Steel Reinforced	Measurement of diameter of individual aluminium and steel wires	Clause 13.2 of IS 398 (Part 2):1996, RA 2018
3187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Galvanized Steel Reinforced	Measurement of Lay Ratio	Clause 13.8 of IS 398 (Part 2):1996, RA 2018
3188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Galvanized Steel Reinforced	Resistance Test	Clause 13.6 of IS 398 (Part 2):1996, RA 2018
3189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Galvanized Steel Reinforced	Stress-Strain Test	Clause 13.11 of IS 398 (Part 2):1996, RA 2018
3190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Galvanized Steel Reinforced	Test for Ultimate Breaking Load on Stranded Conductor	Clause 13.10 of IS 398 (Part 2):1996, RA 2018
3191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors, Galvanized Steel Reinforced	Wrapping Test	Clause 13.5 of IS 398 (Part 2):1996, RA 2018
3192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors-Galvanized Steel-Reinforced for extra high voltage (400 kV and above)	Breaking Load Test on Complete Conductor	Clause 13.5.1 of IS 398 (Part 5):1992, RA 2018
3193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors-Galvanized Steel-Reinforced for extra high voltage (400 kV and above)	Ductility Test	Clause 13.6 of IS 398 (Part 5):1992, RA 2018
3194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors-Galvanized Steel-Reinforced for extra high voltage (400 kV and above)	Galvanizing Test	Clause 13.9 of IS 398 (Part 5):1992, RA 2018

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3195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors-Galvanized Steel-Reinforced for extra high voltage (400 kV and above)	Measurement of Diameters of Individual Aluminium and Steel wires	Clause 13.3 of IS 398 (Part 5):1992, RA 2018
3196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors-Galvanized Steel-Reinforced for extra high voltage (400 kV and above)	Measurement of Lay Ratio	Clause 13.4 of IS 398 (Part 5):1992, RA 2018
3197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors-Galvanized Steel-Reinforced for extra high voltage (400 kV and above)	Resistance Test	Clause 13.8 of IS 398 (Part 5):1992, RA 2018
3198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors-Galvanized Steel-Reinforced for extra high voltage (400 kV and above)	Surface Condition Test	Clause 13.10 of IS 398 (Part 5):1992, RA 2018
3199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors-Galvanized Steel-Reinforced for extra high voltage (400 kV and above)	Visual examination	Clause 13.2 of IS 398 (Part 5):1992, RA 2018
3200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Conductors-Galvanized Steel-Reinforced for extra high voltage (400 kV and above)	Wrapping Test	Clause 13.7 of IS 398 (Part 5):1992, RA 2018
3201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Stranded Conductors	Breaking Load Test	Clause 12.3 of IS 398 (Part 1):1996, RA 2018
3202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Stranded Conductors	Measurement of Diameter of Individual Aluminium Wires	Clause 12.2 of IS 398 (Part 1):1996, RA 2018
3203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Stranded Conductors	Measurement of Lay Ratio, Direction of Lay	Clause 12.6 of IS 398 (Part 1):1996, RA 2018
3204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Stranded Conductors	Resistance Test	Clause 12.5 of IS 398 (Part 1):1996 , RA 2018
3205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Conductors for Overhead Transmission Purposes - Aluminium Stranded Conductors	Wrapping Test	Clause 12.4 of IS 398 (Part 1):1996, RA 2018
3206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Composite hollow insulators - pressurized and unpressurized insulators greater than 1000 V	Bending Test	Clause 8.5 of IEC 61462:2007
3207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Composite Line Post Insulator greater than 1000 V	Cantilever Failing Load	Clause 11.2.1 of IEC 61952:2008
3208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Compression and Mechanical connectors for rated voltages up to 30 kV	Mechanical Test	Clause 7 of IEC 61238-1

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3209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Concentric lay stranded overhead electrical conductors containing one or more gap (s)	Breaking Strength of Conductor	Clause 6.2.5 of IEC 62420:2008
3210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Concentric lay stranded overhead electrical conductors containing one or more gap (s)	Breaking strength of wires after stranding	Clause 6.3.6 of IEC 62420:2008
3211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Concentric lay stranded overhead electrical conductors containing one or more gap (s)	Lay Ratio and Direction of lay	Clause 6.3.5 of IEC 62420:2008
3212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Concentric lay stranded overhead electrical conductors containing one or more gap (s)	Linear mass and cross sectional area	Clause 6.3.3 of IEC 62420:2008
3213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Concentric lay stranded overhead electrical conductors containing one or more gap (s)	Overall Diameter	Clause 6.3.2 of IEC 62420:2008
3214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Concentric lay stranded overhead electrical conductors containing one or more gap (s)	Stress-Strain Test	Clause 6.2.4 of IEC 62420:2008
3215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Concentric lay stranded overhead electrical conductors containing one or more gap (s)	Surface Condition	Clause 6.3.4 of IEC 62420:2008
3216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earth Wire Accessories for Over Head Power Lines – Mid Span Joints & Connectors	Mechanical Failing Load Test – Tensile	Clause 6.4 of IS 2121 (Part II): 1981 RA 2018
3217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earth Wire Accessories for overhead Power Lines - Armor Rod	Slip Strength Test	Clause 7.7 of IS 2121 (Part I):1981, RA 2018
3218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earth Wire Accessories for overhead Power Lines - Armor Rod for Conductors	Tensile Strength Test	Clause 7.4 of IS 2121 (Part I):1981, RA 2018
3219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earth Wire Accessories for Overhead Power Lines - Mid Span Joint & Repair Sleeves for Conductors	Failing Load Test	Clause 6.4 of IS 2121 (Part II):1981, RA 2018
3220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and Earth Wire Accessories for overhead Power Lines - Suspension & Tension Clamp	Slip Strength Test	Clause 5.4 of IS 2121 (Part III):1992, RA 2018
3221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors for overhead lines - Round Wire Concentric lay stranded conductors	Conductor Diameter	Clause 6.4.2 of BS EN 50182:2001
3222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors for overhead lines - Round Wire Concentric lay stranded conductors	Inertness	Clause 6.4.3 of BS EN 50182:2001

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3223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors for overhead lines - Round Wire Concentric lay stranded conductors	Lay Ratio and Direction of Lay	Clause 6.4.4 of BS EN 50182:2001
3224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors for overhead lines - Round Wire Concentric lay stranded conductors	Number and Type of Wire and Mass per unit length	Clause 6.4.5, 6.4.6 of BS EN 50182:2001
3225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors for overhead lines - Round Wire Concentric lay stranded conductors	Stress-Strain Test	Clause 6.4.7 of BS EN 50182:2001
3226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors for overhead lines - Round Wire Concentric lay stranded conductors	Surface Condition Test	Clause 6.4.1 of BS EN 50182:2001
3227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors for overhead lines - Round Wire Concentric lay stranded conductors	Tensile Breaking Strength	Clause 6.4.8 of BS EN 50182:2001
3228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coupling Capacitors	Cantilever Test	Clause 16 of IEC 60358-1:2012
3229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coupling Capacitors and Capacitor Dividers	Cantilever Test	Clause 16 of IS 9348:1998, RA 2018
3230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Electric Power Connectors	Pull Out Strength Test	Clause 11 of IS 5561: 2018
3231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow pressurized and unpressurized ceramic and glass insulators greater than 1000 V	Bending Test	Clause 8.3 of IEC 62155:2003
3232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	I & V Suspension Tension String Up to & Including 800 kV Rating	Mechanical Strength Test	Power Grid Specifications
3233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor and Out Door Ceramic Post Insulators greater than 1000 V	Mechanical Failing Load Test – Bending	Clause 5.2.4 of IS / IEC 60168: 2000
3234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor and Out Door Ceramic Post Insulators greater than 1000 V	Mechanical Failing Load Test – Compression	Clause 5.2.7 of IEC 60168: 2000
3235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor and Out Door Ceramic Post Insulators greater than 1000 V	Mechanical Failing Load Test – Tensile	Clause 5.2.6 of IS / IEC 60168: 2000
3236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor and Out Door Post Insulator greater than 1000 V	Mechanical Failing Load – Compressive	Clause 3.3.4 of IS / IEC 60168: 2000

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3237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor and Out Door Post Insulator greater than 1000 V	Mechanical Failing Load – Tensile	Clause 3.3.4 of IS / IEC 60168: 2000,
3238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor and Outdoor Porcelain Post Insulators and Post Insulator Units for voltages greater than 1000 V	Mechanical Strength Test (Bending)	Clause 3.2 of IS 5350 (Part 1):1970, RA 2019
3239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor and Outdoor Porcelain Post Insulators and Post Insulator Units for voltages greater than 1000 V	Mechanical Strength Test (Compression)	Clause 3.2 of IS 5350 (Part 1):1970, RA 2019
3240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor and Outdoor Porcelain Post Insulators and Post Insulator Units for voltages greater than 1000 V	Mechanical Strength Test (Tension)	Clause 3.2 of IS 5350 (Part I):1970, RA 2019
3241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor and Outdoor Post Insulators of Ceramic or Glass Material for systems with nominal voltage greater than 1000 V	Mechanical Failing Load Test - Bending	Clause 5.2 of IS / IEC 60168:2000
3242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor and Outdoor Post Insulators of Ceramic or Glass material for systems with nominal voltage greater than 1000 V	Mechanical Failing Load Test - Compression	Clause 5.2 of IS / IEC 60168:2000
3243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor and Outdoor Post Insulators of Ceramic or Glass material for systems with nominal voltage greater than 1000 V	Mechanical Failing Load Test - Tensile	Clause 5.2 of IS / IEC 60168:2000
3244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor and Outdoor Post Insulators of Ceramic or Glass material for systems with nominal voltage greater than 1000 V	Mechanical Failing Load Test - Torsion	Clause 5.2 of IS / IEC 60168:2000
3245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor Post Insulators of Organic Material greater than 1000 V up to and including 300 kV	Bending Test	Clause 9.6.5 of IS 9431:1979, RA 2019
3246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor Post Insulators of Organic material greater than 1000 V up to and including 300 kV	Tensile or Compressive Test	Clause 9.6.7 of IS 9431:1979, RA 2019
3247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor Post Insulators, Organic material greater than 1000 V up to and including 300 kV	Mechanical Routine Load Test – Compression	Clause 5.3 of IEC 60660: 1999
3248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor Post Insulators, Organic material greater than 1000 V up to and including 300 kV	Mechanical Routine Load Test – Tensile	Clause 5.3 of IEC 60660: 1999
3249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor Post Insulators, Organic material greater than 1000 V up to and including 300 kV	Mechanical Routine Test – Bending	Clause 5.3 of IEC 60660: 1999
3250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor Post Insulators, Organic material greater than 1000 V up to and including 300 kV	Mechanical Strength Test - Bending	Clause 9.6.5 of IS 9431: 1979, RA 2019

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3251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor Post Insulators, Organic material greater than 1000 V up to and including 300 kV	Mechanical Strength Test – Compression	Clause 9.6.7 of IS 9431: 1979, RA 2019
3252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor Post Insulators, Organic material greater than 1000 V up to and including 300 kV	Mechanical Strength Test – Tensile	Clause 9.6.7 of IS 9431: 1979, RA 2019
3253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Indoor Post Insulators, Organic material greater than 1000 V up to and including 300 kV	Torsion Test	Clause 9.6.6 of IS 9431:1979, RA 2019
3254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Instrument Transformer	Mechanical Test	Clause 7.4.5 of IEC 61869-1:2007
3255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Insulated bushings for alternating voltages above 1000 V	Cantilever load withstand test	Clause 8.9 of IEC 60137:2017
3256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Insulator & Insulator Strings of Single/ Twin/Triple/ Quad-Tension or Suspension type upto & including 800 kV Rating	Mechanical test/ Mechanical Performance test	IEC 60383-1: 1993
3257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Insulators for overhead lines - Composite suspension and tension insulators with a nominal voltage greater than 1000 V	Assembled core load-time tests	Clause 10.4 of IEC 61109:2008
3258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Insulators for overhead lines - Composite suspension and tension insulators with a nominal voltage greater than 1000 V	Damage limit proof test and test of the tightness of the interface between end fittings and insulator housing	Clause 11.2 of IEC 61109:2008
3259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal Fittings of Insulators for Overhead Power Lines with Nominal Voltage greater than 1000 V	Galvanizing Test	Clause 9.4 of IS 2486 (Part 1):1993, RA 2018
3260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal Fittings of Insulators for Overhead Power Lines with Nominal Voltage greater than 1000 V	Visual examination and Verification of dimensions	Clause 5 & 8 of IS 2486 (Part 1): 1993, RA 2018
3261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal Fittings of Suspension Clamps and Insulator String Fittings with Nominal Voltage greater than 1000 V	Mechanical Strength Tests (Tensile)	Clause 11.2 of IS 2486 (Part 1):1993, RA 2018
3262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal Fittings of Suspension Clamps, Bolted type Tension Clamps and Compression type Clamps with Nominal Voltage greater than 1000 V	Slip Strength Test	Clause 11.1 of IS 2486 (Part 1):1993, RA 2018
3263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal Fittings Suspension, Clamps, Bolted Tension, Compression, Joint other than Tee Joint & Insulator String Fittings greater than 1000 V	Mechanical Strength Test – Tensile	Clause 11 of IS 2486 (Part 1): 1993, RA 2018

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3264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Out Door Post Insulator greater than 1000 V	Mechanical failing Load Test – Compressive	Clause 3.1 of IS 5350 (Part III) : 1971
3265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Out Door Post Insulator greater than 1000 V	Mechanical failing Load Test – Tension	Clause 3.1 of IS 5350 (Part III) : 1971
3266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Out Door Post Insulator greater than 1000 V	Mechanical failing Load Test – Underhung	Clause 3.1 of IS 5350 (Part III) : 1971
3267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Out Door Post Insulator greater than 1000 V	Mechanical failing Load Test – Upright	Clause 3.1 of IS 5350 (Part III) : 1971
3268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Outdoor Pedestal Post Insulators greater than 1000 V	Mechanical Failing Load - Underhung	Clause 3 of IS 5350 (Part III):1971, RA 2019
3269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Outdoor Pedestal Post Insulators greater than 1000 V	Mechanical Failing Load Test - Compressive	Clause 3 of IS 5350 (Part III):1971, RA 2019
3270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Outdoor Pedestal Post Insulators greater than 1000 V	Mechanical Failing Load Test - Tension	Clause 3 of IS 5350 (Part III):1971, RA 2019
3271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Outdoor Pedestal Post Insulators greater than 1000 V	Mechanical Failing Load Test - Torsion	Clause 3 of IS 5350 (Part III):1971, RA 2019
3272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Outdoor Pedestal Post Insulators greater than 1000 V	Mechanical Failing Load Test - Upright	Clause 3 of IS 5350 (Part III):1971, RA 2019
3273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Overhead lines - Requirements and tests for spacers	Clamp Bolt Tightening Test	Clause 7.5.3 of IEC 61854:2020
3274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Overhead lines - Requirements and tests for spacers	Clamp Slip Test	Clause 7.5.1 of IEC 61854:2020
3275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Overhead lines - Requirements and tests for spacers	Compression and Tension Test	Clause 7.5.4.1 of IEC 61854:2020
3276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Overhead lines - Requirements and tests for spacers	Visual examination and Verification of dimensions	Clause 7.1, 7.2 of IEC 61854:2020
3277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pin & Post Insulators, String Insulator units for overhead Lines above 1000 V	Mechanical Failing Load Test – Tensile	Clause 19 of IEC 60383-1: 1993

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3278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Porcelain Guy Strain Insulators greater than 1000 V	Mechanical Strength Test - Compressive	Clause 7.4 of IS 5300:1969, RA 2019
3279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Porcelain Insulator String greater than 1000 V	Mechanical Failing Load – Tensile	Clause 10.8 of IS 731 : 1971
3280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Porcelain Insulator String greater than 1000 V	Mechanical Failing Load - Tensile	Clause 10.8.1 of IS 731:1971, RA 2016
3281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Porcelain Insulator String greater than 1000 V	Twenty-four Hours Mechanical Test (excluding power frequency routine test)	Clause 10.9.1 of IS 731:1971, RA 2016
3282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Porcelain Insulators greater than 1000 V	Mechanical Failing Load – Cantilever	Clause 10.8 of IS 731 : 1971
3283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Porcelain Insulators greater than 1000 V	Mechanical Failing Load - Cantilever	Clause 10.8.2 of IS 731:1971, RA 2016
3284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Porcelain Insulators with a Nominal Voltage up to and including 1000 V	Mechanical Failing Load Test	Clause 8.9 of IS 1445:1977, RA 2019
3285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Porcelain Pin Insulators up to and including 1000 V	Mechanical Failing Load Test – Bending	Clause 8.9 of IS 1445: 1977
3286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Porcelain Shackle Insulators up to and including 1000 V	Mechanical Failing Load – Tensile	Clause 8.9.1 of IS 1445: 1977, RA 2019
3287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Power Connectors	Pull out Strength Test	Clause 11 of IS 5561:2018
3288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round Wire Concentric lay overhead electrical stranded conductors	Conductor Diameter	Clause 6.6.2 of IEC 61089:1991 / AMD 1:1997
3289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round Wire Concentric lay overhead electrical stranded conductors	Lay Ratio & Direction of Lay	Clause 6.6.6 of IEC 61089:1991 / AMD 1:1997
3290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round Wire Concentric lay overhead electrical stranded conductors	Linear Density and cross sectional area	Clause 6.6.3 of IEC 61089:1991 / AMD 1:1997
3291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round Wire Concentric lay overhead electrical stranded conductors	Stress-Strain Test	Clause 6.5.1 of IEC 61089:1991 / AMD 1:1997

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3292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round Wire Concentric lay overhead electrical stranded conductors	Surface Condition	Clause 6.6.5 of IEC 61089:1991 / AMD 1:1997
3293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round Wire Concentric lay overhead electrical stranded conductors	Tensile Test of the Conductor	Clause 6.5.3 of IEC 61089:1991 / AMD 1:1997
3294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spacers and Spacer Dampers for Twin Horizontal Bundle Conductors	Assembly Torque Test	Clause 5.8 of IS 10162:1982, RA 2018
3295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spacers and Spacer Dampers for Twin Horizontal Bundle Conductors	Clamp Bolt Torque Test	Clause 5.7 of IS 10162:1982, RA 2018
3296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spacers and Spacer Dampers for Twin Horizontal Bundle Conductors	Clamp Slip Test	Clause 5.5 of IS 10162:1982, RA 2018
3297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spacers and Spacer Dampers for Twin Horizontal Bundle Conductors	Compression & Pull off Test	Clause 5.10 of IS 10162:1982, RA 2018
3298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spacers and Spacer Dampers for Twin Horizontal Bundle Conductors	Movement Test	Clause 5.4 of IS 10162:1982, RA 2018
3299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spacers and Spacer Dampers for Twin Horizontal Bundle Conductors	Resilience Test	Clause 5.6 of IS 10162:1982, RA 2018
3300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spacers and Spacer Dampers for Twin Horizontal Bundle Conductors	Tensile Load Test	Clause 5.9 of IS 10162:1982, RA 2018
3301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spacers and Spacer Dampers for Twin Horizontal Bundle Conductors	Visual examination and Verification of dimensions	Clause 5.2, 5.3 of IS 10162:1982, RA 2018
3302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Mono Poles	Mechanical Strength Test / Load Test	IEC 60652: 2021
3303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Mono Poles	Mechanical Strength Test / Load Test	IS 802 (Part-III): 1978, RA 2017
3304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	String Insulator Units for overhead Lines above 1000 V	Verification of Axial and radial Displacements	Clause 21 of IEC 60383-1: 1993
3305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	String Insulator Units	Mechanical Performance Test - Tensile	Clause 4 of IEC 60575: 1977

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3306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	String Insulator Units Glass or Ceramic Material	Residual Strength Test - Tensile	Clause 4.5 of IEC 60797: 1984
3307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Bend Test	Clause 4.2 of IS 1599 : 2019 ISO 7438 : 2016 / ISO 7438
3308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Galvanizing Coating Thickness	Clause 6.2 of ISO 1461: 2009
3309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Galvanizing Coating Thickness	Clause 9.2 of IS 4759: 1996
3310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Tensile Test – Upper Yield (ReH), Tensile Strength (Rm) & % Elongation (A)	IS 1608 (Part 1): 2022 / ISO 6892-1: 2016
3311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Surge Arresters	Test of Bending Moment (except leakage and PD test)	Clause 10.8.9 of IEC 60099-4:2014
3312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Transmission line Towers	Mechanical Strength Test / Load Test	IEC 60652: 2021
3313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Transmission line Towers	Mechanical Strength Test / Load Test	IS 802 (Part III): 1978, RA 2017
3314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubular Steel Poles for Overhead Power Lines	Mechanical Strength Test	IS 2713 (Parts I to III): 1980, RA 2017
3315	MECHANICAL- NOISE & VIBRATION	Insulator & Insulator Strings of Single/ Twin/Triple/ Quad-Tension or Suspension type upto & including 800 kV Rating	Fatigue/ Vibration Test	CPRI Test Method MED/TM-01, Issue No. 01, Issue Date 06.05.2019, Rev 00
3316	MECHANICAL- NOISE & VIBRATION	Overhead Lines Rigid Spacers, Flexible Spacers & Spacer Dampers	Aeolian Vibration test	Clause 7.5.7.3 of IEC 61854:2020
3317	MECHANICAL- NOISE & VIBRATION	Overhead Lines Rigid Spacers, Flexible Spacers & Spacer Dampers	Log Decrement Test	Clause 7.5.5 c of IEC 61854:2020
3318	MECHANICAL- NOISE & VIBRATION	Overhead Lines Rigid Spacers, Flexible Spacers & Spacer Dampers	Sub-span Oscillation Test	Clause 7.5.7.2 of IEC 61854:2020
3319	MECHANICAL- NOISE & VIBRATION	Spacer/Spacer Damper up to & including 800 kV	Log Decrement Test	Clause 5.17 of IS 10162:1982, RA 2018
3320	MECHANICAL- NOISE & VIBRATION	Spacers & Spacer Dampers for Twin Horizontal Bundle Conductors	Longitudinal Vibration Test	Clause 5.11.1 of IS 10162:1982, RA 2018

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3321	MECHANICAL- NOISE & VIBRATION	Spacers & Spacer Dampers for Twin Horizontal Bundle Conductors	Sub-span Oscillation Test	Clause 5.11.3 of IS 10162:1982, RA 2018
3322	MECHANICAL- NOISE & VIBRATION	Spacers & Spacer Dampers for Twin Horizontal Bundle Conductors	Vertical Vibration Test.	Clause 5.11.2 of IS 10162:1982, RA 2018
3323	MECHANICAL- NOISE & VIBRATION	Stockbridge Vibration Dampers for Overhead Power Lines	Clamp Bolt Torque Test	Clause 7.10 of IS 9708:1993, RA 2019
3324	MECHANICAL- NOISE & VIBRATION	Stockbridge Vibration Dampers for Overhead Power Lines	Clamp Slip Test	Clause 7.9 of IS 9708:1993, RA 2019
3325	MECHANICAL- NOISE & VIBRATION	Stockbridge Vibration Dampers for Overhead Power Lines	Damping Efficiency Test	Clause 7.8 of IS 9708:1993, RA 2019
3326	MECHANICAL- NOISE & VIBRATION	Stockbridge Vibration Dampers for Overhead Power Lines	Dynamic Characteristics Test	Clause 7.7 of IS 9708:1993, RA 2019
3327	MECHANICAL- NOISE & VIBRATION	Stockbridge Vibration Dampers for Overhead Power Lines	Fatigue Test	Clause 7.5 of IS 9708:1993, RA 2019
3328	MECHANICAL- NOISE & VIBRATION	Stockbridge Vibration Dampers for Overhead Power Lines	Galvanizing Test	Clause 7.11 of IS 9708:1993, RA 2019
3329	MECHANICAL- NOISE & VIBRATION	Stockbridge Vibration Dampers for Overhead Power Lines	Resonance Frequency Test	Clause 7.4 of IS 9708:1993, RA 2019
3330	MECHANICAL- NOISE & VIBRATION	Stockbridge Vibration Dampers for Overhead Power Lines	Visual examination and Verification of dimensions	Clause 7.2 & 7.3 of IS 9708:1993, RA 2019
3331	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LAMPS AND LAMP SYSTEMS	Actinic UV hazard exposure limit for the skin and eye	Cl 4.3.1 of IEC 62471 : 2006 IS 16108: 2012, RA
3332	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LAMPS AND LAMP SYSTEMS	Exposure limits Lamp Classification	Cl 4 and Cl 6 of IEC 62471 : 2006 IS 16108: 2012, RA
3333	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LAMPS AND LAMP SYSTEMS	Infrared radiation hazard exposure limits for the eye	Cl 4.3.7 of IEC 62471 : 2006 IS 16108: 2012, RA
3334	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LAMPS AND LAMP SYSTEMS	Near-UV hazard exposure limit for the eye	Cl 4.3.2 of IEC 62471 : 2006 IS 16108: 2012, RA
3335	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LAMPS AND LAMP SYSTEMS	Retinal blue light hazard exposure limit	Cl 4.3.3 of IEC 62471 : 2006 IS 16108:2012, RA
3336	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LAMPS AND LAMP SYSTEMS	Retinal blue light hazard exposure limit - small source	Cl 4.3.4 of Cl 4.3.2 of IEC 62471 : 2006 IS 16108: 2012, RA

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3337	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LAMPS AND LAMP SYSTEMS	Retinal thermal hazard exposure limit	Cl 4.3.5 of IEC 62471 : 2006 IS 16108: 2012, RA
3338	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LAMPS AND LAMP SYSTEMS	Retinal thermal hazard exposure limit weak visual stimulus	Cl 4.3.6 IEC 62471 : 2006 IS 16108: 2012, RA
3339	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LAMPS AND LAMP SYSTEMS	Thermal hazard exposure limit for the skin	Cl 4.3.8 of IEC 62471 : 2006 IS 16108: 2012, RA
3340	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Lamps and Luminaires	Chromaticity Co-ordinates, Correlated Colour Temperature and Colour Rendering Index	IS 16107 (Part 2/Sec 1): 2012 (Cl 9) / IEC 62722-2-1 (Cl 9)
3341	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Lamps and Luminaires	Chromaticity Coordinates, Correlated Colour Temperature and CRI Index	IS 16103(Part 2): 2012,Cl.9 / IEC 62717, Cl.9
3342	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Lamps and Luminaires	Color	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012 (Cl.11) / IEC 6096
3343	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Lamps and Luminaires	Color Coordinate	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012 (Cl. 11) / IEC 60969
3344	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Lamps and Luminaires	Color Rendering Index (CRI)	IS 16102 (Part 2):2017 Cl.10.2 / IEC 62612 Cl. 10.2
3345	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Lamps and Luminaires	Color Variation categories	IS 16102 (Part 2):2017 Cl.10.1 / IEC 62612 ,Cl. 10.1
3346	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Lamps and Luminaires	Lumen Maintenance	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012 (Cl.12) / IEC 60969
3347	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Lamps and Luminaires	Lumen Maintenance	IS 16102 (Part 2):2017 Cl .11.2 / IEC 62612 ,Cl. 11.2

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3348	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Lamps and Luminaires	Luminous Flux	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012 Cl. 10) / IEC 60969
3349	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Lamps and Luminaires	Luminous Flux	IS 16103(Part 2): 2012, Cl.8.1 / IEC 62717, Cl.8.1
3350	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Lamps and Luminaires	Luminous Flux	IS 16107 (Part 2/Sec 1): 2012,Cl.8.1 IEC 62722-2-1
3351	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Luminaire	Lumen Maintenance	IS 16107 (Part 2/Sec 1): 2012 (Cl 10.2) IEC 62722-2-1 (Cl.10.2)
3352	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Luminaire	Luminaire Efficacy	IS 16107 (Part 2/Sec 1):2012 (Cl 8.3) IEC 62722-2-1
3353	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Luminaire	Luminous Intensity Distribution, Peak Intensity and Beam Angle	IS 16107 (Part 2/Sec 1):2012 (Cl.8.2) / IEC 62722-2-1
3354	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Luminaire	Luminous Intensity Distribution, Peak Intensity and Beam Angle	IS 16107 (Part 2/Sec 1):2012 (Cl.8.2) IEC 62722-2-1
3355	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Luminaire	Total Input Power	IS 16107 (Part 2/Sec 1): 2012 (Cl.7) / IEC 62722-2-1
3356	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Luminaire	Total Input Power	IS 16107 (Part 2/Sec 1): 2012 (Cl.7) / IEC 62722-2-1
3357	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Luminaire	Total Input Power	IS 16107 (Part 2/Sec 1): 2012 (Cl.7) / IEC 62722-2-1
3358	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Luminaire	Total Input Power	IS 16107 (Part 2/Sec 1): 2012 (Cl.7) / IEC 62722-2-1
3359	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Luminaire	Total Input Power	IS 16107 (Part 2/Sec 1): 2012 (Cl.7) / IEC 62722-2-1
3360	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Luminaire	Total Input Power	IS 16107 (Part 2/Sec 1): 2012 (Cl.7) IEC 62722-2-1

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3361	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted LEDLamps for General Lighting Services	Efficacy	IS 16102 (Part 2):2017 Cl.9.3 / IEC 62612 Cl. 9.3
3362	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-Ballasted Lamps for General lighting Services	Lamp Efficacy	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012 (Cl. 15) / IEC 60969
3363	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Modules for General lighting	Lumen Maintenance	IS 16103 (Part 2):2012,Cl 10.2 / IS 16105 / IEC 62717
3364	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED Modules for General lighting	Luminous Intensity Distribution, Peak Intensity and Beam Angle	IS 16103(Part 2): 2012, Cl.8.2 / IEC 62717, Cl.8.2
3365	PHOTOMETRY- LUMINARIES	Lamps and Luminaires	Color rendering index (CRI)	Cl.9, IESNA LM 79- 08 / Cl. 14 of IS 16106
3366	PHOTOMETRY- LUMINARIES	Lamps and Luminaires	Color temperature (CCT)	Cl.9, IESNA LM 79- 08 / Cl. 11 of IS 16106
3367	PHOTOMETRY- LUMINARIES	Lamps and Luminaires	Luminous flux	IS 16102-2 Cl.9.1
3368	PHOTOMETRY- LUMINARIES	Lamps and Luminaires	Luminous flux	IS 16106-2012 C1.9 / IESNA LM 79- 08 / Cl.10.2 of IS 16106
3369	PHOTOMETRY- LUMINARIES	Lamps and Luminaires	Luminous intensity distribution	Cl.12 IS 16106-2012 / Cl.9.3 IESNA LM 79-08
3370	PHOTOMETRY- LUMINARIES	LED lamps and luminaries	Luminous intensity distribution	Cl.12, IS 16106-2012 / Cl.9.3, IESNA LM 79-08
3371	PHOTOMETRY- LUMINARIES	LED Luminaire	Endurance	IS 16107 (Part 2/Sec 1): 2012 (Cl.10.3) IEC 62722-2-1 (Cl.10.3)
3372	PHOTOMETRY- LUMINARIES	Self-Ballasted Lamps for General lighting Services	Life	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012 (Cl.13) / IEC 60969
3373	PHOTOMETRY- LUMINARIES	Self-Ballasted Lamps for General lighting Services	Starting and Run Up	IS 15111 (Part 2):2002 +A1:2003+A2:2003+A3:2003 +A4:2004+A5:2005+A6:2008 +A7:2009+A8:2012 (Cl.8) / IEC 60969
3374	PHOTOMETRY- LUMINARIES	TFL	Life test	IS 2418-Part 3

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3375	PHOTOMETRY-LUMINARIES	TFL	Lumen measurement	IS 2418-Part 1
3376	PHOTOMETRY-LUMINARIES	TFL	Starting characteristic	IS 2418-Part 1,