National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, SWATANTRYAVEER TATYA TOPE MARG, CHUNABHATTI, SION, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5538 **Page No** 1 of 72

Validity 24/04/2022 to 23/04/2024 **Last Amended on** 16/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Influence of heating	Cl. 12.7.5 IS 13779: 2020, Cl. 12.7.5 IS 14697: 2021, Cl. 5.4.5 IS 15884: 2010, Cl. 6.10.5 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.10.5 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.4.4 CBIP Publication No.:GP-304: 2008, GP-325
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	10% of 3rd harmonic in the current	Cl. 11.2 IS 13779: 2020, Cl. 11.2 IS 14697: 2021, Cl. 4.6.2 IS 15884: 2010, Cl. 6.12 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.6.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC/EN 62052-11: 2020, Cl. 9 IEC 62053-21: 2020, Cl. 9 IEC 62053-22
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	a.c. high voltage test	Cl. 12.7.6.3 IS 13779: 2020, Cl. 12.7.6.3 IS 14697: 2021, Cl. 5.4.6.3 IS 15884: 2010, Cl. 6.10.6 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.10.6 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.4.6.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC/EN 62052-11: 2020, IEC 62053-21: 2020, IEC 62053-22
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Ambient temperature influence	Cl. 12.2, IS 13779: 2020, Cl. 12.11 IS 14697: 2021, Cl. 4.6.3 IS 15884: 2010, Cl. 6.12, IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.6.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC/EN 62052-11: 2020, Cl. 8 IEC 62053-21: 2020, Cl. 8 IEC 62053-22

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5538	**Page No**	2 of 72
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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
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Clearances and creepage distances	Cl. 6.6 IS 13779: 2020, Cl. 6.6 IS 14697: 2021, Cl. 4.2.6 IS 15884: 2010, Cl. 6.3, IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.3 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.2.2.5 CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC/EN 62052-11: 2020, IEC 62053-21: 2020, IEC 62053-22
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Cold Test	Cl. 12.6.2 IS 13779: 2020, Cl. 12.6.2 IS 14697: 2021, Cl. 5.3.2 IS 15884: 2010, Cl. 6.9 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.9 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.3.2 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 8.3.4 IEC/EN 62052-11: 2020, Cl. 8 IEC 62053-21: 2020, Cl. 8 IEC 62053-22
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Conducted Emission	Cl. 12.9.6 IS 13779: 2020, Cl. 12.8.6 IS 14697: 2021, Cl. 4.5.3 IS 15884: 2010, Cl. 6.11, IS 16444 : 2015+A1: 2017+A2: 2019, Cl. 6.11 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.5.5 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 9.3.14 IEC/EN 62052-11: 2020, Cl. 9 IEC 62053-21: 2020, Cl. 9 IEC 62053-22
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Connection diagrams and terminal marking	Cl. 7.2 IS 13779: 2020, Cl. 7.2 IS 14697: 2021, Cl. 4.2.11 IS 15884: 2010, Cl. 6.8 IS 16444 : 2015+A1: 2017+A2: 2019, Cl. 6.8 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.2.2.11 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 6.2 IEC/EN 62052-11: 2020, Cl. 6 IEC 62053-21: 2020, Cl. 6 IEC 62053-22

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9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Continuous 'abnormal' magnetic induction of external origin (0.2 T, 10 mT, 0.27 T)	Cl. 12.11 IS 13779: 2020, Cl. 12.10 IS 14697: 2021, Cl. 5.6.2.1, 5.6.2.2 IS 15884: 2010, Cl. 6.12 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.6.2.1, 5.6.2.2 CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC/EN 62052-11: 2020, IEC 62053-21: 2020, IEC 62053-22
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Damp heat cyclic test	Cl. 12.6.3 13779: 2020, Cl. 12.6.3 IS 14697: 2021, Cl. 5.3.3 IS 15884: 2010, Cl. 6.9 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.9 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.3.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 8.3.5 IEC/EN 62052-11: 2020, Cl. 8 IEC 62053-21: 2020, Cl. 8 IEC 62053-22
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Display of measured values	Cl. 6.10 IS 13779: 2020, Cl. 6.10 IS 14697: 2021, Cl. 4.2.10 IS 15884: 2010, Cl. 6.6 IS 16444 : 2015+A1: 2017+A2: 2019, Cl. 6.6 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.2.2.8 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 5.6 IEC/EN 62052-11: 2020, Cl. 5 IEC 62053-21: 2020, Cl. 5 IEC 62053-22
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Dry Heat test	Cl. 12.6.1 IS 13779: 2020, Cl. 12.6.1 IS 14697: 2021, Cl. 5.3.1 IS 15884: 2010, Cl. 6.9 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.9 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.3.1 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 8.3.3 IEC/EN 62052-11: 2020, Cl. 8 IEC 62053-21: 2020, Cl. 8 IEC 62053-22

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13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Fast transient burst test	Cl. 12.9.4 IS 13779: 2020, Cl. 12.8.4 IS 14697: 2021, Cl. 5.5.4 IS 15884: 2010, Cl. 6.11 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.11 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.5.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 9.3.6 IEC/EN 62052-11: 2020, Cl. 7.10 IEC 62053-21: 2020, Cl. 7.10 IEC 62053-22
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Frequency variation	Cl. 11.2, 12.11 IS 13779: 2020, Cl. 11.2, 12.11 IS 14697: 2021, Cl. 4.6.2 IS 15884: 2010, Cl. 6.12 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.6.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 9 IEC/EN 62052-11: 2020, Cl. 7.10 IEC 62053-21: 2020, Cl. 7.10 IEC 62053-22
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Immunity to electrostatic discharges	Cl. 12.9.2 IS 13779: 2020, Cl. 12.8.2 IS 14697: 2021, Cl. 5.5.2 IS 15884: 2010, Cl. 6.11 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.11 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.3.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 9.3.3 IEC/EN 62052-11: 2020, Cl. 7.10 IEC 62053-21: 2020, Cl. 7.10 IEC 62053-22
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Impulse voltage	Cl. 12.7.6.2, IS 13779: 2020, IS 14697: 2021, Cl. 5.4.6.2, IS 15884: 2010, Cl. 6.10.6 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.10.6 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.4.6.2, CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC/EN 62052-11: 2020, IEC 62053-21: 2020, IEC 62053-22

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17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Influence of immunity to earth fault	Cl. 12.8 IS 13779: 2020, Cl. 12.17 IS 14697: 2021, Cl. 6.10.7 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.10.7 IS 16444 (Part 2): 2017+A1: 2019, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 9.4.13 IEC/EN 62052-11: 2020, Cl. 7.10 IEC 62053-21: 2020, Cl. 7.10 IEC 62053-22
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Influence of self heating	Cl. 12.7.4 IS 13779: 2020, Cl. 12.7.4 IS 14697: 2021, Cl. 5.4.4 IS 15884: 2010, Cl. 6.10.4 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.10.4 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.4.4 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 9.4.11 IEC/EN 62052-11: 2020, Cl. 7.10 IEC 62053-21: 2020, Cl. 7.10 IEC 62053-22
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Influence of short time over current	Cl. 12.7.3 IS 13779: 2020, Cl. 12.7.3 IS 14697: 2021, Cl. 5.4.3 IS 15884: 2010, Cl. 6.10.3 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.10.3 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.4.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 9.4.10 IEC/EN 62052-11: 2020, Cl. 7.10 IEC 62053-21: 2020, Cl. 7.10 IEC 62053-22
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Influence of supply voltage	Cl. 12.7.2 IS 13779: 2020, Cl. 12.7.2 IS 14697: 2021, Cl. 4.4.2, 5.4.2 IS 15884: 2010, Cl. 6.10.2 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.10.2 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.4.2 CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC/EN 62052-11: 2020, Cl. 7.10 IEC 62053-21: 2020, Cl. 7.10 IEC 62053-22

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21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Insulating encased meter	Cl. 6.7 IS 13779: 2020, Cl. 6.7 IS 14697: 2021, Cl. 4.2.7, IS 15884:2010, Cl. 6.2.2 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.2.2 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.2.2.5.7, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 5 IEC/EN 62052-11: 2020, Cl. 5 IEC 62053-21: 2020, Cl. 5 IEC 62053-22
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Insulation resistance	Cl. 12.7.6.4 IS 13779: 2020, Cl. 12.7.6.4 IS 14697: 2021, Cl. 4.4.2, 5.4.6.4 IS 15884: 2010, Cl. 6.10.6 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.10.6 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.4.6.4 CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC/EN 62052-11: 2020, IEC 62053-21: 2020, IEC 62053-22
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Interpretation of results	Cl. 12.16 IS 13779: 2020, Cl. 12.15 IS 14697: 2021, Cl. 4.4.2, 5.6.6 IS 15884: 2010, Cl. 6.12 IS 16444: 2015+A1: 2017+A2: 2019, Cl.6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.6.7 CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC/EN 62052-11: 2020, IEC 62053-21: 2020, IEC 62053-22
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Limits of error	Cl. 11.1 IS 13779: 2020, Cl. 11.1 IS 14697: 2021, Cl. 4.6.1 IS 15884: 2010, Cl. 6.12 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.6.8 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 7.9 IEC/EN 62052-11: 2020, Cl. 7.9 IEC 62053-21: 2020, Cl. 7.9 IEC 62053-22

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25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Marking of meters	Cl. 7 IS 13779: 2020, Cl. 7 IS 14697: 2021, Cl. 4.2.11 IS 15884: 2010, Cl. 6.8 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.8 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.2.2.11 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 6 IEC/EN 62052-11: 2020, Cl. 6 IEC 62053-21: 2020, Cl. 6 IEC 62053-22
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Meter case	Cl. 6.2 IS 13779: 2020, Cl. 6.2 IS 14697: 2021, Cl. 4.2.2 IS 15884: 2010, Cl. 6.2 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.2 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.2.2.1 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 5.5.2 IEC/EN 62052-11: 2020, Cl. 5 IEC 62053-21: 2020, Cl. 5 IEC 62053-22
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Meter constant	Cl. 11.6 IS 13779: 2020, Cl. 11.6 IS 14697: 2021, Cl. 4.6.5 IS 15884: 2010, Cl. 6.12 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.6.6 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 7.4 IEC/EN 62052-11: 2020, Cl. 7.4 IEC 62053-21: 2020, Cl. 7.4 IEC 62053-22
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Power consumption	Cl. 9.1, 12.7.1 IS 13779: 2020, Cl. 9.1, 12.7.1 IS 14697: 2021, Cl. 4.4.1 IS 15884: 2010, Cl. 6.10.1 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.10.1 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.4.1 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 4.4 IEC/EN 62052-11: 2020, Cl. 4.4 IEC 62053-21: 2020, Cl. 4.4 IEC 62053-22

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29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Protection against penetration of dust and water	Cl. 6.9, 12.5 IS 13779: 2020, Cl. 6.9, 12.5 IS 14697: 2021, Cl. 4.2.9, 5.2.5 IS 15884: 2010, Cl. 6.5 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.5 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.2.5 CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC/EN 62052-11: 2020, IEC 62053-21: 2020, IEC 62053-22
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Radiated emission	Cl. 12.9.6 IS 13779: 2020, Cl. 12.8.6 IS 14697: 2021, Cl. 5.5.5 IS 15884: 2010, Cl. 6.11 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.11.1 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.5.5 CBIP Publication No.:GP-304: 2008, GP-325
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Repeatability of error	Cl. 11.7, 12.17 IS 13779: 2020, Cl. 11.7, 12.17 IS 14697: 2021, Cl. 5.6.7 IS 15884: 2010, Cl. 6.12 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.6.9 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 7.8 IEC/EN 62052-11: 2020, Cl. 7.8 IEC 62053-21: 2020, Cl. 7.8 IEC 62053-22
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Resistance to heat and fire	Cl. 6.8, 12.4 IS 13779: 2020, Cl. 6.8, 12.4 IS 14697: 2021, Cl. 5.2.4 IS 15884: 2010, Cl. 6.4 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.4 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.2.4 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 9.3.2.1 IEC/EN 62052-31

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33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Reverse phase sequence	Cl. 11.2 IS 13779: 2020, Cl. 11.2 IS 14697: 2021, Cl. 4.6.2 IS 15884: 2010, Cl. 6.12 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.6.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 9.4.7 62052-11: 2020, Cl. 7.10 IEC 62053-21: 2020, Cl. 7.10 IEC 62053-22
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Shock test	Cl. 12.3.1 IS 13779: 2020, Cl. 12.3.1 IS 14697: 2021, Cl. 5.2.2 IS 15884: 2010, Cl. 6.5 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.5 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.2.2 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 5.2.1 62052-11: 2020, Cl. 5 IEC 62053-21: 2020, Cl. 5 IEC 62053-22
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Starting condition	Cl. 11.5, 12.14 IS 13779: 2020, Cl. 11.5, 12.13 IS 14697: 2021, Cl. 4.6.4, 5.6.4 IS 15884: 2010, Cl. 6.12 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.6.5 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 4.2.2, 7.7 62052-11: 2020, Cl. 4.2.2, 7.7 IEC 62053-21: 2020, Cl. 4.2.2, 7.7 IEC 62053-22
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Surge immunity test	Clause 12.9.5 IS 13779: 2020, Clause 12.8.5 IS 14697: 2021, Clause 5.5.6 IS 15884: 2010, Clause 6.11 IS 16444: 2015+A1: 2017+A2: 2019, Clause 6.11 IS 16444 (Part 2): 2017+A1: 2019, Clause 9.3.9 62052-11: 2020, Clause 10 IEC 62053-21: 2020, Clause 10 IEC 62053-22

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38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Terminals,terminal block(s) and protective earth terminal	Cl. 6.4 IS 13779: 2020, Cl. 6.4 IS 14697: 2021, Cl. 4.2.4 IS 15884: 2010, Cl. 6.2.1 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.2.1 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.2.2.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 5.4 62052-11: 2020, Cl. 5 IEC 62053-21: 2020, Cl. 5 IEC 62053-2
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Verification of Name plate	Cl. 7.1 IS 13779: 2020, Cl. 7.1 IS 14697: 2021, Cl. 4.2.11.1 IS 15884: 2010, Cl. 6.8 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.8 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.2.2.11 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 6 62052-11: 2020, Cl. 6 IEC 62053-21: 2020, Cl. 6 IEC 62053-22
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Vibration test	Cl. 12.3.2 IS 13779: 2020, Cl. 12.3.2 IS 14697: 2021, Cl. 5.2.3 IS 15884: 2010, Cl. 6.5 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.5 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.2.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 5.2.2 62052-11: 2020, Cl. 5 IEC 62053-21: 2020, Cl. 5 IEC 62053-22

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41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Voltage unbalance	Cl. 11.2, 12.10 IS 13779: 2020, Cl. 11.2, 12.10 IS 14697: 2021, Cl. 4.6.2 IS 15884: 2010, Cl. 6.12 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.6.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC 62052-11: 2020, IEC 62053-21: 2020, IEC 62053-22
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Voltage variation	Cl. 11.2, 12.10 IS 13779: 2020, Cl. 11.2, 12.10 IS 14697: 2021, Cl. 4.6.2 IS 15884: 2010, Cl. 6.12 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.6.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 9.4.3 IEC 62052-11: 2020, Cl. 7.10 IEC 62053-21: 2020, Cl. 7.10 IEC 62053-22
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters Class 0.5, 1 and 2, a.c. Static Transformer Operated Watthour Meters (Class 0.1 S, 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S), Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2), a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2, a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S	Window (Transparency)	Cl. 6.3 IS 13779: 2020, Cl. 6.3 IS 14697: 2021, Cl. 4.2.3 IS 15884: 2010, Cl. 6.2 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.2 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.2.2.2 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 5.3 IEC 62052-11: 2020, Cl. 5 IEC 62053-21: 2020, Cl. 5 IEC 62053-22
44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watt-hour Meter Class 1 and 2, AC Transformer operated Watthour & Var hour meters Class 0.2s,0.5s,1.0s, Alternating Current Direct Connected Static Prepayment Meter (Class 1 & 2), AC Static Direct Connected Watt-hour Smart Meter Class 1 and 2	Output Device	Cl. 6.11 IS 13779: 2020, Cl. 4.2.10.7 IS 14697: 2021, Cl. 5.6.3 IS 15884: 2010, Cl. 6.7 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.7 IS 16444 (Part 2): 2017+A1: 2019, Cl. 4.2.2.9 CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC/EN 62052-11: 2020, IEC 62053-21: 2020, IEC 62053-22

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45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watt-hour Meter Class 1 and 2, AC Transformer operated Watthour & Var hour meters Class 0.2s,0.5s,1.0s, Alternating Current Direct Connected Static Prepayment Meter (Class 1 & 2), AC Static Direct Connected Watt-hour Smart Meter Class 1 and 2	Spring hammer test	Cl. 12.3.3 IS 13779: 2020, Cl. 12.3.3 IS 14697: 2021, Cl. 5.2.1 IS 15884: 2010, Cl. 6.5 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.5 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.2.2 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 5 62052-11: 2020, Cl. 5 IEC 62053-21: 2020, Cl. 5 IEC 62053-22: 2020 Cl. 8.2 IEC/EN 62052-31
46	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct Connected Watt-hour Meter Class 1 and 2, Alternating Current Direct Connected Static Prepayment Meter (Class 1 & 2), AC Static Direct Connected Watt-hour Smart Meter Class 1 and 2	DC and even harmonics in AC current circuit	Cl. 11.2 IS 13779: 2020, Cl. 5.6.2.1, 4.6.2 IS 15884: 2010, Cl. 6.12 IS 16444 : 2015+A1: 2017+A2: 2019, Cl. 4.6.3 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. 9 IEC/EN 62052-11: 2020, Cl. 7.10 IEC 62053-21: 2020, Cl. 7.10 IEC 62053-22
47	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters (Class 1 & 2 Specification) AC static transformer operated and VAR-Hour Meters Class 0.2S, 0.5S and 1.0S specifications	Continuous magnetic induction of external origin (0.5 mT, 67 mT)	Cl. 11.2, 12.11 IS 13779: 2020, Cl. 11.2, 12.11 IS 14697: 2021, Cl. 4.6.2, 5.6.2.1 to 5.6.2.4 IS 15884: 2010, Cl. 6.12 IS 16444: 2015+A1: 2017+A2: 2019, Cl. 6.12 IS 16444 (Part 2): 2017+A1: 2019, Cl. 5.6.2 CBIP Publication No.:GP-304: 2008, GP-325:
48	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Extended operating range	Clause 4.4.2.3, IS 15884
49	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Limit range of operation	Clause 4.4.2.4, IS 15884
50	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Operation within the limit range of opeartion	Clause 4.3.2, IS 15884
51	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Relative humidity	Clause 4.3.4, IS 15884

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52	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Specified operating range	Clause 4.4.2.2, IS 15884
53	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Standard electrical values	Clause 4.1, IS 15884
54	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Temperature range	Clause 4.3.3, IS 15884
55	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Token carrier interface	Clause 4.2.12, IS 15884
56	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Voltage dips and short interruption	Clause 4.4.2.7, IS 15884
57	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Voltage range	Clause 4.4.2.1 IS 15884
58	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Withstand range	Clause 4.4.2.5, IS 15884
59	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Abnormal voltage condition	Clause 4.4.2.6, IS 15884
60	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Accounting functions	Clause B-3.4, IS 15884
61	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Additional functionalities	Clause A-2, IS 15884
62	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Basic functionalities - prepayment mode	Clause A-1,IS 15884

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63	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Collection of agreed debt	Clause A-2.3, IS 15884
64	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Consumption based charging function	Clause 5.9,IS 15884
65	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Core functional tests within voltage and temperature range limits	Clause A-1.3,IS 15884
66	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Crystal controlled clock	Clause 4.6.6.1, IS 15884
67	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Crystal controlled clocks	Clause D-2, IS 15884
68	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Crystal-controlled clocks in payment meters	Clause D-3.2, IS 15884
69	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Delivery function	Clause B-3.6, IS 15884
70	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Display function	Clause B-3.9, IS 15884
71	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Effect of disturbances on time keeping	Clause D-4, IS 15884
72	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Function as a single-part payment meter	Clause B-3, IS 15884
73	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Functional tests within the limit range of operation with voltage	Clause A-1.4,IS 15884

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74	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Functional tests within the limit range of operation with temperature	Clause A-1.5,IS 15884
75	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Generalize payment meter instance	Clause B-2, IS 15884
76	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Harmonics in the voltage waveform	Clause D-4.3, IS 15884
77	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Keeping time	Clause 5.7,IS 15884
78	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Meter application process	Clause B-3.2,IS 15884
79	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Metering function	Clause B-3.5, IS 15884
80	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Operation within the specified operating range	Clause 4.3.1, IS 15884
81	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Prepayment mode - token handling and data integrity requirements	Clause A-1.6, IS 15884
82	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Prepayment mode-core functionalities	Clause A-1.2, IS 15884
83	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Real -time clock setting facilities	Clause D-1.3, IS 15884
84	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Real-time clock support facilities	Clause D-1.2, IS 15884

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85	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Recording functions	Clause B-3.10, IS 15884
86	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Requirements for other mode of operation	Clause A-2.2, IS 15884
87	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Robustness of accounting process	Clause 6.2, IS 15884
88	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Security functions	Clause B-3.11, IS 15884
89	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	System compliance requirements	Clause A-3, IS 15884
90	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Test function	Clause B-3.8, IS 15884
91	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Time -based charging function	Clause 5.10 , IS 15884
92	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Time function	Clause B-3.7, IS 15884
93	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Time-keeping accuracy	Clause D-3, IS 15884
94	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Time-of-Use tariff facilities	Clause A-2.4, IS 15884
95	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Token carrier to meter interface function	Clause B-3.3, IS 15884

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96	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static Prepayment meters for Active Energy (Class 1 and 2)	Voltage dips and short interruption	Clause D-4.2, IS 15884
97	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring instrument	Frequency influence error in the case of a.c. voltage measurement	Cl. 3.13 IS 13875 (Part 2)
98	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring instrument	High voltage	Cl. 5.5 IS 9249
99	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring instrument	Insulation resistance	Cl. 5.6, IS 9249
100	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring instrument	Intrinsic error	Cl. 4.2 IS 13875 (Part 1), Cl. 3.2 IS 13875 (Part 2)
101	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring instrument	Mechanical load	Cl. 4.9 IS 13875 (Part 1), Cl. 3.9 IS 13875 (Part 2)
102	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring instrument	Overload	Cl. 3.15 IS 13875 (Part 2)
103	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring instrument	Self heating	Cl. 3.16 IS 13875 (Part 2)
104	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring instrument	Variation due to Air humidity	Cl. 4.5 IS 13875 (Part 1), Cl. 3.5 IS 13875 (Part 2)
105	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring instrument	Variation due to Ambient temperature	Cl. 4.4 IS 13875 (Part 1), Cl. 3.4 IS 13875 (Part 2)
106	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring instrument	Variation due to Auxiliary supply	Cl. 4.8 IS 13875 (Part 1), Cl. 3.8 IS 13875 (Part 2)

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107	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Digital measuring instrument	Variation due to Changes in position	Cl. 4.6 IS 13875 (Part 1), Cl. 3.6 IS 13875 (Part 2)
108	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Auto display scrolling facility	Cl. 6.13, CBIP Publication No.:GP-304: 2008, GP-325
109	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Facility for checking correctness of CT,VT connections	Cl. 6.14, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. G- 15 IS 14697
110	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Load profiling capability	Cl. 6.9, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. G-12 IS 14697
111	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	MD reset	Cl. 6.2.2, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. G-4 IS 14697
112	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Measurement of harmonic energy/phase current	Cl. 6.6, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. G-20 IS 14697
113	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Quantities to be measured and displayed	Cl. 6.1, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. G-2 IS 14697
114	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Self diagnostic feature	Cl. 6.10, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. G-19 IS 14697
115	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Tamper and fraud monitoring	Cl. 6.7, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. G-10 IS 14697
116	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Ambient temperature variation	Cl. 9.4.4 IEC/EN 62052-11:2020, IEC/EN 62053-21/22
117	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Application of current and voltage transformer ratios	Cl. 6.18, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. G-3 IS 14697

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118	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Communication capability	Cl. 6.4, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. G-9 IS 14697
119	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Facility for display and/or meter reading in the absence of power supply	Cl. 6.12, CBIP Publication No.:GP-304: 2008, GP-325: 2014, G-14 IS 14697
120	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Facility for high resolution display	Cl. 6.11, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. G-13 IS 14697
121	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Harmonic components in the currents and voltage circuits	Cl. 9.4.2 IEC/EN 62052-11 : 2020 , IEC/EN 62053-21/22
122	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Harmonics in the a.c. current circuits	Cl. 9.4.2 IEC/EN 62052-11:2020, IEC/EN 62053-21/22:
123	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Historical data recording	Cl. 6.19, CBIP Publication No.:GP-304: 2008, GP-325
124	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Marking of meters	Cl. 4.2.2.11, CBIP Publication No.:GP-304: 2008, GP-325: 2014, IEC/EN 62052-11
125	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Meter "Power OFF" data	Cl. 6.20 CBIP Publication No.:GP-304: 2008, GP-325
126	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Missing Potential	CBIP Publication No.:GP-304: 2008, GP-325: 2014, IS 14697
127	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Odd harmonics in the a.c. current circuits	Cl. 9.4.2.4 IEC/EN 62052-11: 2020, IEC/EN 62053-21/22
128	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Phasor Diagram	Cl. 6.21 CBIP Publication No.:GP-304: 2008, GP-325: 2014, IS 14697

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129	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Radio interference suppression	Cl. 5.5.5/ 5.5.8 CBIP Publication No.:GP-304: 2008, GP-325
130	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Registration updation	Cl. 6.17 CBIP Publication No.:GP-304: 2008, GP-325
131	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Time accuracy	Cl. 6.16 CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. G-18 IS 14697
132	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Energy Meter (1P, 3P)	Time of day (TOD) metering	Cl. 6.5, CBIP Publication No.:GP-304: 2008, GP-325: 2014, Cl. G - 8 IS 14697
133	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical and electronic related items	Change of temperature Rapid Temperature Cycling	IS 9000(Part 14/ Sec 1):1988,IEC/EN 60068-2-14: 2009, JSS 55555 Test No. 22, Cl. 6.12.3.5 IEC 60255-1: 2009, Cl. 6.12.3.5 IS/IEC 60255-1
134	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical/ Electronic Equipment	Impact Test	IEC/EN 62262: 2002 + A1: 2021, IEC TR 62696
135	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical/ Electronic Product	Bump Test	IEC 60068-2-27:2008,EN 60068-2-27: 2009, IEC 60255-21-2:1988, EN 60255-21-2: 1996, IEC/EN 61373:2010, IS 3624: 1987, IS 9000 (Part 7/ Sec 1)
136	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical/ Electronics Equipment/ panel	Damp heat (cyclic) test	IS 9000(Part 5/Sec 1 and 2):1981,IEC/EN 60068-2-30: 2005, Cl. 6.12.3.7 IEC 60255-1: 2009, Cl. 10.6.1.6 IEC 60255-27: 2013, Cl. 6.12.3.7 IS/IEC 60255-1: 2009, Cl. 10.6.1.6 IS/IEC 60255-27
137	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical/ Electronics Equipment/ panel	Damp heat (Steady state) test	IS 9000(Part 4):2020, IEC 60068-2-78:2012, EN 60068-2-78: 2013, JSS 55555 Test no. 10: 2012, Cl. 6.12.3.6 IEC 60255-1: 2009, Cl. 10.6.1.5 IEC 60255-27: 2013, Cl. 6.12.3.6 IS/IEC 60255-1: 2009, Cl. 10.6.1.5 IS/IEC 60255-27:

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138	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical/ Electronics Equipment/ panel	Dry cold test Low temperature test	IS 9000(Part 2/ Sec 1 to 4):1977,IEC/EN 60068-2-1: 2007, JSS 55555 Test no. 20: 2012, Cl. 6.12.3.2, 6.12.3.4 IEC 60255-1: 2009, Cl. 10.6.1.2, 10.6.1.4 IEC 60255-27: 2013, Cl. 6.12.3.2, 6.12.3.4 IS/IEC 60255(Part 1): 2009, Cl. 10.6.1.2, 10.6.1.4 IS/IEC 60255(Part 27)
139	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical/ Electronics Equipment/ panel	Dry heat test High temperature test	IS 9000(Part 3/ Sec 1 to 5):1977, IEC/EN 60068-2-2: 2007, JSS 55555 Test no. 17: 2012, Cl. 6.12.3.1, 6.12.3.3 IEC 60255-1: 2009, Cl. 10.6.1.1, 10.6.1.3 IEC 60255-27: 2013, Cl. 6.12.3.1, 6.12.3.3 IS/IEC 60255(Part 1): 2009, Cl. 10.6.1.1, 10.6.1.3 IS/IEC 60255(Part 27)
140	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical/ Electronics Equipment/ panel	Random vibration test	IEC/EN 60068-2-64: 2008 + A1: 2019, JSS 55555 Test no. 28 : 2012, IEC/EN 61373
141	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical/ Electronics Panels, equipment	Degree of protection (Ingress protection)	IEC 60529:1989 +A1:1999 +A2: 2013, EN 60529:1992+A2:2013, IEC 60947-1:2020, EN 60947-1: 2021, IEC 61439-1:2020, EN 61439-1: 2021, IS/IEC 60947(Part 1): 2007, IS/IEC 61439(Part 2)
142	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical/ Electronics, Mechanical Equipment/ panel	Seismic Test	IEC 60068-3-3: 2019, IEC 60255-21-3
143	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical/ Electronics, Mechanical Equipment/ panel	Shock test	IEC 60068-2-27: 2008, EN 60068-2-27: 2009, IEC 60255-21-2:1988, EN 60255-21-2: 1996, IEC/EN 61373:2010, IS 9000 (Part 7/ Sec 1): 2018, JSSS 55555 Test No.24

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144	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical/ Electronics, Mechanical Equipment/ panel	Vibration test	IEC 60068-2-6:2007, EN 60068-2-6: 2008, IEC/EN 61373:2010, IEC 60255-21-1:1988, EN 60255-21-1: 1996, IS 9000(Part 8):1981, JSS 55555 Test no. 28
145	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Plastics and ebonite High-strength thermosetting laminates and long-fibre-reinforced plastics	Temperature of deflection under load	ISO 75-1:2020, ISO 75-2:2013 , ISO 75-3: 2004, IS 13360 (Part 6/Sec 3): 2016, IS 13360 (Part 6/Sec 17): 2017, IS 13360 (Part 6/Sec 18)
146	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Solid Insulating Material	Comparative tracking index	IEC 60112: 2020, IS 2824
147	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Solid Insulating Material	Needle-flame test	IEC 60695-11-5:2016, IS 11000 (Part 2/ Sec 2)
148	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Solid insulating material	Resistance to fire (Glow Wire test)	IEC 60695-2-10: 2021, EN 60695-2-10: 2013, IS 11000(Part 2/ Sec1): 2018, IEC 60320-1: 2021, IEC 60884-1:2002+A1:2006+A2:2013, IEC 60598-1:2020, EN 60598-1:2021, IEC 60601-1: 2005 + A1: 2012 + A2: 2020, EN 60601-1 + A2: 2021, IEC 60204-1:2016+A1:2021, EN 60204-1: 2018, IEC 61058-1: 2016, IEC 60669-1: 2017, EN 60669-1: 2018, IEC 60898-1: 2015 + A1: 2019, EN 60898-1: 2021, IEC 62368: 2018, IEC/EN 60512-1
149	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Solid insulating material	Resistance to heat (ball pressure test)	IEC/EN 60695-10-2:2014, IEC/EN 60320-1:2021, IEC/EN 60884-1: 2002 +A1: 2006+A2: 2013, IEC 60204-1:2016+ A1: 2021, EN 60204-1: 2018, IS 302: 2008, IS 10322
150	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Thermoplastic material	Vicat softening temperature (VST)	ISO 306:2013, IS 13360(Part 6/Sec 1)
151	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Moisture resistance and insulation	Clause 11, IS 15885 (Part 2/ Section 13):2012+A1:2015, Clause 11 IEC 61347-2-13: 2014+A1

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152	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Transformer heating	Clause 15 IS 15885 (Part 2/ Section 13):2012+A1:2015, Clause 15 IEC 61347-2-13: 2014+A1
153	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Construction	Clause 16 IS 15885 (Part 2/ Section 13):2012+A1:2015, Clause 16 IEC 61347-2-13: 2014+A1
154	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Fault condition	Clause 14 IS 15885 (Part 2/ Section 13):2012+A1:2015, Clause 14 IEC 61347-2-13: 2014+A1
155	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Marking	Clause 6 IS 16104:2012, Clause 6 IEC 62384
156	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Protection against accidental contact with live parts	Clause 8 IS 15885 (Part 2/ Section 13):2012+A1:2015, Clause 8 IEC 61347-2-13: 2014+A1
157	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Provision for protective earthing	Clause 10 IS 15885 (Part 2/ Section 13):2012+A1:2015, Clause 10 IEC 61347-2-13: 2014+A1
158	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Resistance to corrosion	Clause 20 IS 15885 (Part 2/ Section 13):2012+ A1:2015, Clause 20 IEC 61347-2-13: 2014+A1
159	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Screws, current carrying parts and connections	Clause 18 IS 15885 (Part 2/ Section 13):2012+ A1:2015, Clause 18 IEC 61347-2-13: 2014+A1
160	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Terminals	Clause 9 IS 15885 (Part 2/ Section 13):2012+ A1:2015, Clause 9 IEC 61347-2-13: 2014+A1
161	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Circuit power factor	Clause 9 IS 16104:2012, Clause 9 IEC 62384
162	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Creepage distances and clearnces	Clause 17 IS 15885 (Part 2/ Section 13):2012+ A1:2015, Clause 17 IEC 61347-2-13: 2014+A1

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163	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Electric strength	Clause 12 IS 15885 (Part 2/ Section 13):2012+ A1:2015, Clause 12 IEC 61347-2-13: 2014+A1
164	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Marking	Clause 7 IS 15885 (Part 2/ Section 13):2012+ A1:2015, Clause 7 IEC 61347-2-13: 2014+A1
165	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Operational tests for abnormal conditions	Clause 12 IS 16104:2012, Clause 11 IEC 62384
166	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Output voltage and current	Clause 7 IS 16104:2012, Clause 7 IEC 62384
167	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Resistance to heat, fire and tracking	Clause 19 IS 15885 (Part 2/ Section 13):2012+ A1:2015, Clause 19 IEC 61347-2-13: 2014+A1
168	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Supply current	Clause 10 IS 16104:2012, Clause 10 IEC 62384
169	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC or AC supplied electronic control gear for LED modules	Total circuit power	Clause 8 IS 16104:2012, Clause 8 IEC 62384
170	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed general purpose luminaries	Provision for earthing	Clause 9, IS 10322 (Part 5/ Section 1):2012, Clause 1.9 IEC 60598-2-1
171	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed general purpose luminaries	External and internal wiring	Clause 11, IS 10322 (Part 5/ Section 1):2012, Clause 1.11 IEC 60598-2-1
172	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed general purpose luminaries	Insulation resistance and electric strength	Clause 15, IS 10322 (Part 5/ Section 1):2012, Clause 1.15 IEC 60598-2-1
173	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed general purpose luminaries	Construction	Clause 7, IS 10322 (Part 5/ Section 1):2012, Clause 1.7 IEC 60598-2-1
174	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed general purpose luminaries	Creepage distances and clearance	Clause 8, IS 10322 (Part 5/ Section 1):2012, Clause 1.8 IEC 60598-2-1
175	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed general purpose luminaries	Marking	Clause 6, IS 10322 (Part 5/ Section 1):2012, IEC 60598-2-1

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176	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed general purpose luminaries	Protection against electric shock	Clause 12, IS 10322 (Part 5/ Section 1):2012, Clause 1.12 IEC 60598-2-1
177	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed general purpose luminaries	Resistance to dust and moisture	Clause 14, IS 10322 (Part 5/ Section 1):2012, Clause 1.14 IEC 60598-2-1
178	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed general purpose luminaries	Resistance to heat ,fire and tracking	Clause 16, IS 10322 (Part 5/ Section 1):2012, Clause 1.16 IEC 60598-2-1
179	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed general purpose luminaries	Terminals	Clause 10, IS 10322 (Part 5/ Section 1):2012, Clause 1.10 IEC 60598-2-1
180	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED luminaries	Marking	Clause 4, IS 16107 (Part 2/ Section 1):2012, Clause 4 IEC 62722-2-1
181	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED luminaries	Total Input power	Clause 7, IS 16107 (Part 2/ Section 1):2012, Clause 7 IEC 62722-2-1
182	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Construction	Clause 15, IS 16103(Part 1): 2012 + A1: 2014, Clause 14 IEC 62031
183	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Creepage distances and clearance	Clause 16, IS 16103(Part 1): 2012 + A1: 2014, Clause 15 IEC 62031
184	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Dimensions	Clause 5, IS 16103(Part 2): 2012 + A2: 2015 + A3: 2018, Clause 5 IEC 62717: 2014 + A1: 2015+A2
185	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Endurance test	Clause 10.3, IS 16103(Part 2): 2012 + A2: 2015 + A3: 2018, Clause 10.3 IEC 62717: 2014 + A1: 2015+A2
186	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Fault condition	Clause 13, IS 16103(Part 1): 2012 + A1: 2014, Clause 12 IEC 62031
187	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Heat management	Clause 21, IS 16103(Part 1): 2012 + A1: 2014, Clause 20 IEC 62031
188	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Information luminarie design	Clause 12, IS 16103(Part 2): 2012 + A2: 2015 + A3: 2018, Clause 12 IEC 62717: 2014 + A1: 2015+A2

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189	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Information to luminarie design	Clause 20, IS 16103(Part 1): 2012 + A1: 2014, Clause 19 IEC 62031
190	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Marking	Clause 4, IS 16103(Part 2): 2012 + A2: 2015 + A3: 2018, Clause 4 IEC 62717: 2014 + A1: 2015+A2
191	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Module power	Clause 7, IS 16103(Part 2): 2012 + A2: 2015 + A3: 2018, Clause 7 IEC 62717: 2014 + A1: 2015+A2
192	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Resistance to corrosion	Clause 19, IS 16103(Part 1): 2012 + A1: 2014, Clause 18 IEC 62031
193	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Resistance to heat , fire and tracking	Clause 18, IS 16103(Part 1): 2012 + A1: 2014, Clause 17 IEC 62031
194	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Screws, current carrying parts and connections	Clause 17, IS 16103(Part 1): 2012 + A1: 2014, Clause 16 IEC 62031
195	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Verification	Clause 11, IS 16103(Part 2): 2012 + A2: 2015 + A3: 2018, Clause 11 IEC 62717: 2014 + A1: 2015+A2
196	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Moisture resistance and insulation	Clause 11, IS 16103(Part 1): 2012 + A1: 2014, Clause 10 IEC 62031
197	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Electric strength	Clause 12, IS 16103(Part 1): 2012 + A1: 2014, Clause 11 IEC 62031
198	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Emission (radiated and conducted) of radio frequency disturbances	Clause 13, IS 16103(Part 2): 2012 + A2: 2015 + A3: 2018, Clause 6 IEC 62717: 2014 + A1: 2015+A2
199	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Classification	Clause 6, IS 16103(Part 1): 2012 + A1
200	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Marking	Clause 7, IS 16103(Part 1): 2012 + A1: 2014, Clause 7 IEC 62031

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201	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Protection against accidental contact with live parts	Clause 10, IS 16103(Part 1): 2012 + A1: 2014, Clause 9 IEC 62031
202	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Provision for protective earthing	Clause 9, IS 16103(Part 1): 2012 + A1: 2014, Clause 8 IEC 62031
203	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED module for general lighting	Terminals	Clause 8, IS 16103(Part 1): 2012 + A1: 2014, Clause 7 IEC 62031
204	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Insulation resistance	Clause 10.2 IEC 60598-1:2020, Clause 10.2 IS 10322 (Part 1): 2014+A1
205	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Creepage distances and clearances	Clause 11 IEC 60598-1:2020, Clause 11 IS 10322 (Part 1): 2014+A1
206	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Electric strength test	Clause 10.2 IEC 60598-1:2020, Clause 10.2 IS 10322 (Part 1): 2014+A1
207	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Mechanical Strength test	Clause 14.4 IEC 60598-1:2020, Clause 14.4 IS 10322 (Part 1): 2014+A1
208	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Resistance to corrosion	Clause 4.18 IEC 60598-1:2020, Clause 4.18 IS 10322 (Part 1): 2014+A1
209	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Resistance to heat (Ball pressure test)	Clause 13.2 IEC 60598-1:2020, Clause 13.2 IS 10322 (Part 1): 2014+A1
210	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Resistance to tracking	Clause 13.4 IEC 60598-1:2020, Clause 13.4 IS 10322 (Part 1): 2014+A1
211	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Touch/ Leakage current, protective conductor current	Clause 10.2 IEC 60598-1:2020, Clause 10.3 IS 10322 (Part 1): 2014+A1
212	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Resistance to dust and moisture	Clause 9 IEC 60598-1:2020, Clause 9 IS 10322 (Part 1): 2014+A1
213	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Creepage distances and clearances	Clause 14 IS 16102(Part 1):2012+A1:2015+A2: 2015+A3:2020, Clause 14 IEC 62560:2011+A1

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214	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Fault condition	Clause 13 IS 16102(Part 1):2012+A1:2015+A2: 2015+A3:2020, Clause 13 IEC 62560:2011+A1
215	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Harmonics and power factor	Clause 8.2, 8.3 IS 16102 (Part 2): 2017, Clause 8.2 IEC 62612:2013+AMD 1:2015 + AMD 2
216	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Lamp power	Clause 8.1 IS 16102 (Part 2): 2017, Clause 8.1 IEC 62612:2013+AMD 1:2015 +AMD
217	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Resistance to heat (ball pressure test)	Clause 11 IS 16102(Part 1):2012+A1:2012+A2: 2015+A3:2020, Clause 11 IEC 62560:2011+ A1
218	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Dimensions	Clause 6 IS 16102 (Part 2): 2017, Clause 6 IEC 62612:2013+AMD 1: 2015 + AMD 2
219	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Emission(radiated and conducted) of radio frequency disturbances	Clause 8.4 IS 16102 (Part 2)
220	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Insulation resistance and electric strength after humidity treatment	Clause 8 IS 16102(Part 1):2012+A1:2012+A2: 2015+A3:2020, Clause 8 IEC 62560:2011+ A1
221	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Interchangeability	Clause 6 IS 16102(Part 1):2012+A1:2012+A2: 2015+A3:2020, Clause 6 IEC 62560:2011+ A1
222	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Marking	Clause 5 IS 16102 (Part 2): 2017, Clause 5 IEC 62612:2013+AMD 1: 2015 + AMD 2
223	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Marking	Clause 5 IS 16102(Part 1):2012+A1:2012+A2: 2015+A3:2020, Clause 5 IEC 62560:2011+ A1
224	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Mechanical strength	Clause 9 IS 16102(Part 1):2012+A1:2012+A2: 2015+A3:2020, Clause 9 IEC 62560:2011+ A1

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225	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Protection against accidental contact with live parts	Clause 7 IS 16102(Part 1):2012+A1:2012+A2: 2015+A3:2020, Clause 7 IEC 62560:2011+ A1
226	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted LED lamps	Resistance to flame and ignition (Glow wire test)	Clause 12 IS 16102(Part 1):2012+A1:2012+A2: 2015+A3:2020, Clause 12 IEC 62560:2011+ A1
227	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Checking of auxiliary devices	Clause 7.5.1 IEC 60146-1-1:2009, Clause 7.5.1 IS 16539 (Part 1 / Sec 1)
228	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Inherent voltage regulation	Clause 7.3.4 IEC 60146-1-1:2009, Clause 7.3.4 IS 16539 (Part 1 / Sec 1)
229	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Over-current capability	Clause 7.3.3 IEC 60146-1-1:2009, Clause 7.3.3 IS 16539 (Part 1 / Sec 1)
230	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Rated current test	Clause 7.3.2 IEC 60146-1-1:2009, Clause 7.3.2 IS 16539 (Part 1 / Sec 1)
231	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Audible noise	Clause 7.7 IEC 60146-1-1:2009, Clause 7.7 IS 16539 (Part 1 / Sec 1)
232	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Efficiency	Clause 6.2.2 IEC 60146-1-1, Clause 6.2.2 IS 16539 (Part 1 / Sec 1)
233	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Harmonic currents	Clause 7.3.6 IEC 60146-1-1:2009, Clause 7.3.6 IS 16539 (Part 1 / Sec 1)
234	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Insulation Tests	Clause 7.2 IEC 60146-1-1:2009, Clause 7.2 IS 16539 (Part 1 / Sec 1)
235	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Light load and functional Test	Clause 7.3.1 IEC 60146-1-1:2009, Clause 7.3.1 IS 16539 (Part 1 / Sec 1)
236	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Power factor	Clause 7.4.3 IEC 60146-1-1:2009, Clause 7.4.3 IS 16539 (Part 1 / Sec 1)
237	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Ripple voltage and current	Clause 7.3.5 IEC 60146-1-1:2009, Clause 7.3.5 IS 16539 (Part 1 / Sec 1)

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238	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Temperature rise	Clause 7.4.2 IEC 60146-1-1:2009, Clause 7.4.2 IS 16539 (Part 1 / Sec 1)
239	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Verification of markings	Clause 6.6 IEC 60146-1-1:2009, Clause 6.6 IS 16539 (Part 1 / Sec 1)
240	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Verification of properties of control equipment	Clause 7.5.2 IEC 60146-1-1:2009, Clause 7.5.2 IS 16539 (Part 1 / Sec 1)
241	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Verification of protective devices	Clause 7.5.3 IEC 60146-1-1:2009, Clause 7.5.3 IS 16539 (Part 1 / Sec 1)
242	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoblock pumpset	Reduced voltage running up test	Clause 11.8.1(g), IS 9079
243	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoblock pumpset	Temperature rise test at rated voltage	Clause 11.4, IS 9079
244	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoblock pumpset	Temperature rise test at reduced voltage	Clause 11.4 IS 9079
245	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoblock pumpset	Insulation resistance test	Clause 11.8.1(c), IS 9079
246	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoblock pumpset	No load test	Clause 11.8.1(d), IS 9079
247	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoblock pumpset	Pump performance test	Clause 10, IS 9079
248	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoblock pumpset	Direction of rotation	Clause 10.6.2, 10.6.3, IS 9079
249	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoblock pumpset	High voltage test	Clause 11.8.1(b), IS 9079
250	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoblock pumpset	Marking plate	Clause 15.1, IS 9079
251	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Monoblock pumpset	Stator resistance per phase	Clause 11.8.1(a), IS 9079
252	ELECTRICAL- SAFETY TESTING FACILITY	Electrical equipment for measurement, control, and laboratory use	Components and subassemblies (only visual inspection)	Cl. 14 EN 61010-1 : 2010 +A1 : 2019, IEC 61010-1:2010 +A1
253	ELECTRICAL- SAFETY TESTING FACILITY	Electrical equipment for measurement, control, and laboratory use	Equipment temperature limits and resistance to heat	Cl. 10 EN 61010-1 : 2010 +A1 : 2019, IEC 61010-1:2010 +A1
254	ELECTRICAL- SAFETY TESTING FACILITY	Electrical equipment for measurement, control, and laboratory use	Hazards resulting from application	Cl. 16 EN 61010-1 : 2010 +A1 : 2019, IEC 61010-1:2010 +A1:

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255	ELECTRICAL- SAFETY TESTING FACILITY	Electrical equipment for measurement, control, and laboratory use	Marking and documentation	Cl. 5 EN 61010-1 : 2010 +A1 : 2019, IEC 61010-1:2010 +A1:
256	ELECTRICAL- SAFETY TESTING FACILITY	Electrical equipment for measurement, control, and laboratory use	Power input	Cl. 5.1.3(c) EN 61010-1 : 2010 +A1 : 2019, IEC 61010-1:2010 +A1:
257	ELECTRICAL- SAFETY TESTING FACILITY	Electrical equipment for measurement, control, and laboratory use	Protection against electric shock	Cl. 6 EN 61010-1 : 2010 +A1 : 2019, IEC 61010-1:2010 +A1:
258	ELECTRICAL- SAFETY TESTING FACILITY	Electrical equipment for measurement, control, and laboratory use	Protection against hazard from fluid	Cl. 11 EN 61010-1 : 2010 +A1 : 2019, Cl. 11 IEC 61010-1:2010 +A1
259	ELECTRICAL- SAFETY TESTING FACILITY	Electrical equipment for measurement, control, and laboratory use	Protection against mechanical hazards	Cl. 7 EN 61010-1 : 2010 +A1 : 2019, IEC 61010-1:2010 +A1:
260	ELECTRICAL- SAFETY TESTING FACILITY	Electrical equipment for measurement, control, and laboratory use	Protection against spread of fire	Cl. 9 EN 61010-1 : 2010 +A1 : 2019, IEC 61010-1:2010 +A1:
261	ELECTRICAL- SAFETY TESTING FACILITY	Electrical equipment for measurement, control, and laboratory use	Protection by interlock	Cl. 15 EN 61010-1 : 2010 +A1 : 2019, IEC 61010-1:2010 +A1:
262	ELECTRICAL- SAFETY TESTING FACILITY	Electrical equipment for measurement, control, and laboratory use	Resistance to mechanical stresses	Cl. 8 EN 61010-1 : 2010 +A1 : 2019, IEC 61010-1:2010 +A1
263	ELECTRICAL- SAFETY TESTING FACILITY	Electrical equipment for measurement, control, and laboratory use	Testing in single fault condition	Cl. 4.4 EN 61010-1 : 2010 +A1 : 2019, IEC 61010-1:2010 +A1
264	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Marking and instructions	Cl.7 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, in conjunction with IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
265	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Clearances, Creepage distances and solid insulation	Cl. 29 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
266	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Construction	Cl. 22 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017,IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015

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267	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Heating	Cl. 11 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
268	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Internal wiring	Cl. 23 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
269	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Leakage current and electric strength	Cl. 16 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
270	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Leakage current and electric strength at operating temperature	Cl. 13 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
271	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Mechanical strength	Cl. 21 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
272	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Moisture resistance	Cl. 15 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015

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273	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Overload protection of transformers and associated circuits	Cl. 17 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
274	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Power input and current	Cl. 10 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
275	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Protection against access to live parts	Cl.8 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
276	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Provision for earthing	Cl. 27 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017,IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
277	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Resistance to heat and fire	Cl. 30 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
278	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Resistance to rusting	Cl. 31 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015

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279	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Screws and connections	Cl. 28 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017,IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
280	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Stability and mechanical hazards	Cl. 20 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
281	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Terminals for external conductors	Cl. 26 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
282	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Transient over voltages	Cl. 14 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
283	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Abnormal operation	Cl.19 IEC 60335-2-75:2012+A1:2015+A2 :2018,EN60335-2-75:2004+A2: 2008, in conjunction with IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
284	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Classification	Cl.6 IEC 60335-2-75:2012+A1:2015+A2 :2018,EN60335-2-75:2004+A2: 2008, in conjunction with IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS 302(Part1):2008+A1+A2+A3+ A4:2015

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285	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Clearances, creepage distances and solid insulation	Cl. 29 IEC 60335-2-75:2012+A1:2015+A2:2018,EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
286	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Construction	Cl. 22 IEC 60335-2-75:2012+A1:2015+A2:2018,EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
287	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Heating	Cl. 11 IEC 60335-2-75:2012+A1:2015+A2:2018,EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
288	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Internal wiring	Cl. 23 IEC 60335-2-75:2012+A1:2015+A2:2018,EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
289	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Leakage current and electric strength	Cl. 16 IEC 60335-2-75:2012+A1:2015+A2:2018,EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
290	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Leakage current and electric strength at operating temperature	Cl. 13 IS 302 (Part 1):2008 +A1+A2+A3+A4:2015, IS 302(Part 2/ Sec 80):2017, IEC 60335-1:2020, EN 60335-1:2012+A15:2021, IEC 60335-2-75:2012 +A1:2015+A2:2018, EN 60335-2-75:2004+ A2:2008, IEC 60335-2-80:2015, EN 60335-2-80:2003+A2

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291	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Marking and instructions	Cl.7 IEC 60335-2-75:2012+A1:2015+A2:2018,EN60335-2-75:2004+A2:2008, in conjunction with IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
292	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Mechanical strength	Cl. 21 IEC 60335-2-75:2012+A1:2015+A2:2018, EN60335-2-75:2004+A2:2008,IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
293	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Moisture resistance	Cl. 15 IEC 60335-2-75:2012+A1:2015+A2:2018, EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
294	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Overload protection of transformers and associated circuits	Cl. 17 IEC 60335-2-75:2012+A1:2015+A2:2018, EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
295	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Power input and current	Cl. 10 IEC 60335-2-75:2012+A1:2015+A2:2018, EN60335-2-75:2004+A2:2008 , IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015

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296	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Protection against access to live parts	Cl.8 IEC 60335-2-75:2012+A1:2015+A2:2018, EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
297	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Provision for earthing	Cl. 27 IEC 60335-2-75:2012+A1:2015+A2:2018, EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
298	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Resistance to heat and fire	Cl. 30 IEC 60335-2-75:2012+A1:2015+A2:2018, EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
299	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Resistance to rusting	Cl. 31 IEC 60335-2-75:2012+A1:2015+A2:2018, EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
300	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Screws and connections	Cl. 28 IEC 60335-2-75:2012+A1:2015+A2:2018, EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015

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301	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Stability and mechanical hazards	Cl. 20 IEC 60335-2-75:2012+A1:2015+A2:2018, EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
302	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Terminals for external conductors	Cl. 26 IEC 60335-2-75:2012+A1:2015+A2:2018,EN60335-2-75:2004+A2:2008, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
303	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines	Transient overvoltages	Cl. 14 IEC 60335-2-75:2012+A1:2015+A2:2018, EN60335-2-75:2004+A2:2008,IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3+A4:2015
304	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines - Fans	Endurance	Cl. 18 IS 302 (Part 1):2008 +A1+A2+A3+A4:2015, IS 302(Part 2/ Sec 80):2017, IEC 60335-1:2020, EN 60335-1:2012+A15:2021, IEC 60335-2-75:2012 +A1:2015+A2:2018, EN 60335-2-75:2004+ A2:2008, IEC 60335-2-80:2015, EN 60335-2-80:2003+A2
305	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial dispensing appliances and vending machines - Fans	Starting of motor operated appliances	Cl. 9 IS 302 (Part 1):2008 +A1+A2+A3+A4:2015, IS 302(Part 2/ Sec 80):2017, IEC 60335-1:2020, EN 60335-1:2012+A15:2021, IEC 60335-2-75:2012 +A1:2015+A2:2018, EN 60335-2-75:2004+ A2:2008, IEC 60335-2-80:2015, EN 60335-2-80:2003+A2

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306	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Fans	Abnormal operation	Cl. 19 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
307	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Fans	Classification	Cl.6 IEC60335-2-80:2015, EN60335-2-80:2003+A2:2009 IS 302(Part 2/ Sec80):2017, in conjunction with IEC60335-1:2020, EN 60335-1:2012+ A15:2021, IS302(Part1):2008+A1+A2+A3 +A4:2015
308	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Cabling and fusing	Clause 7.5 IEC 60255-27: 2013, Clause 7.5 EN 60255-27: 2014, Clause 7.5 IS/IEC 60255 (Part 27)
309	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Flammability and resistance to fire	Clause 7 IEC 60255-27: 2013, Clause 7 EN 60255-27: 2014, Clause 7 IS/IEC 60255 (Part 27)
310	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	General and fundamental design requirements for safety	Clause 8 IEC 60255-27: 2013, Clause 8 EN 60255-27: 2014, Clause 8 IS/IEC 60255 (Part 27)
311	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	High leakage current	Clause 5.1.8 IEC 60255-27: 2013, Clause 5.1.8 EN 60255-27: 2014, Clause 5.1.8 IS/IEC 60255 (Part 27)
312	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Limited energy circuits	Clause 7.12 IEC 60255-27: 2013, Clause 7.12 EN 60255-27: 2014, Clause 7.12 IS/IEC 60255 (Part 27)
313	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Mechanical requirements	Clause 6.2 IEC 60255-27: 2013, Clause 6.2 EN 60255-27: 2014, Clause 6.2 IS/IEC 60255 (Part 27)
314	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Mechanical security of termination	Clause 6.3 IEC 60255-27: 2013, Clause 6.3 EN 60255-27: 2014, Clause 6.3 IS/IEC 60255 (Part 27)

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315	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Minimization of fire risk	Clause 7.4 IEC 60255-27: 2013, Clause 7.4 EN 60255-27: 2014, Clause 7.4 IS/IEC 60255 (Part 27)
316	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Protection against mechanical hazards	Clause 6.1 IEC 60255-27: 2013, Clause 6.1 EN 60255-27: 2014, Clause 6.1 IS/IEC 60255 (Part 27)
317	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Clearances and creepage distances	Clause 5.1.10 IEC 60255-27: 2013, Clause 5.1.10 EN 60255-27: 2014, Clause 5.1.10 IS/IEC 60255 (Part 27)
318	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Fire ignition source	Clause 7.7 IEC 60255-27: 2013, Clause 7.7 EN 60255-27: 2014, Clause 7.7 IS/IEC 60255 (Part 27)
319	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Functional Earthing	Clause 5.1.11 IEC 60255-27: 2013, Clause 5.1.11 EN 60255-27: 2014, Clause 5.1.11 IS/IEC 60255 (Part 27)
320	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Marking, documentation and packaging	Clause 9 IEC 60255-27: 2013, Clause 9 EN 60255-27: 2014, Clause 9 IS/IEC 60255 (Part 27)
321	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Accessible parts	Clause 5.1.5 IEC 60255-27: 2013, Clause 5.1.5 EN 60255-27: 2014, Clause 5.1.5 IS/IEC 60255 (Part 27)
322	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Assessment of the fire risk due to a single fault condition	Clause 7.11 IEC 60255-27: 2013, Clause 7.11 EN 60255-27: 2014, Clause 7.11 IS/IEC 60255 (Part 27)
323	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Bonding to the protective conductor	Clause 5.1.6 IEC 60255-27: 2013, Clause 5.1.6 EN 60255-27: 2014, Clause 5.1.6 IS/IEC 60255 (Part 27)
324	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Discharge of capacitor	Clause 5.1.3 IEC 60255-27: 2013, Clause 5.1.3 EN 60255-27: 2014, Clause 5.1.3 IS/IEC 60255 (Part 27)
325	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	General hazards from overheating and fire	Clause 7.3 IEC 60255-27: 2013, Clause 7.3 EN 60255-27: 2014, Clause 7.3 IS/IEC 60255 (Part 27)

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326	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Protection against electric shock	Clause 5 IEC 60255-27: 2013, Clause 5 EN 60255-27: 2014, Clause 5 IS/IEC 60255 (Part 27)
327	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Protection from contact with hazardous live parts	Clause 5.1.2 IEC 60255-27: 2013, Clause 5.1.2 EN 60255-27: 2014, Clause 5.1.2 IS/IEC 60255 (Part 27)
328	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Protective conductor connection	Clause 5.1.7 IEC 60255-27: 2013, Clause 5.1.7 EN 60255-27: 2014, Clause 5.1.7 IS/IEC 60255 (Part 27)
329	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Protective impedance	Clause 5.1.4 IEC 60255-27: 2013, Clause 5.1.4 EN 60255-27: 2014, Clause 5.1.4 IS/IEC 60255 (Part 27)
330	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Single fault condition	Clause 5.2 IEC 60255-27: 2013, Clause 5.2 EN 60255-27: 2014, Clause 5.2 IS/IEC 60255 (Part 27)
331	ELECTRICAL- SAFETY TESTING FACILITY	Measuring relays and protective devices	Solid insulation	Clause 5.1.9 IEC 60255-27: 2013, Clause 5.1.9 EN 60255-27: 2014, Clause 5.1.9 IS/IEC 60255 (Part 27)
332	ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT	Measuring relays and protective devices	Temperature rise test	Cl. 7.3.1 IEC 60255-27: 2013, Cl. 7.3.1 IS/IEC 60255-27
333	ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT	Static relay for power protection system	Accuracy related to characteristic quantities	Cl. 6.5.2.2 IEC 60255-1: 2009, Cl. 5.1, 14.2.1 IEC 60255-12: 1980, Cl. 5.1, 15.2 IEC 60255-13: 1980, Cl. 5.1, 6.2 IEC 60255-127: 2010, Cl. 5.1, 6.2 IEC 60255-149: 2013, Cl. 5.1, 6.2 IEC 60255-151: 2009, Cl. 6.5.2.2 IS/IEC 60255: Part 1: 2009 Cl. 5.1, 14.2.1 IS/IEC 60255: Part 12: 1980 Cl. 5.1, 15.2 IS/IEC 60255: Part 13: 1980 Cl. 5.1, 6.2 IS/IEC 60255: Part 127: 2010 Cl. 5.1, 6.2 IS/IEC 60255: Part 149: 2013 Cl. 5.1, 6.2 IS/IEC 60255: Part 151

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334	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Static relay for power protection system	Accuracy related to operating to operating /resetting time test	Cl. 6.5.2.3 IEC 60255-1: 2009, Cl. 5.2, 5.3, 14.2.2 IEC 60255-12: 1980, Cl. 5.2, 15.2.2 IEC 60255-13: 1980, Cl. 5.2, 5.3, 6.2, 6.3 IEC 60255-127: 2010, Cl. 5.2, 6.3 IEC 60255-149: 2013, Cl. 5.2, 6.3 IEC 60255-151: 2009, Cl. 6.5.2.3 IS/IEC 60255: Part 1: 2009 Cl. 5.2, 5.3, 14.2.2 IS/IEC 60255: Part 12: 1980 Cl. 5.2, 15.2.2 IS/IEC 60255: Part 13: 1980 Cl. 5.2, 5.3, 6.2, 6.3 IS/IEC 60255: Part 127: 2010 Cl. 5.2, 6.3 IS/IEC 60255: Part 149: 2013 Cl. 5.2, 6.3 IS/IEC 60255: Part 151
335	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Static relay for power protection system	Ambient temperature	Cl. 6.7 IEC 60255-149: 2013, Cl. 6.7 IS/IEC 60255-149
336	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Static relay for power protection system	Auxiliary supply frequency	Clause 6.6 IEC 60255-149: 2013, Cl. 6.6 IS/IEC 60255-149
337	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Static relay for power protection system	Auxiliary supply voltage	IEC 60255-1: 2009, IS/IEC 60255
338	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Static relay for power protection system	Burden test	Cl. 6.10 IEC 60255-1: 2009, Cl. 6.10 IS/IEC 60255-1
339	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Static relay for power protection system	Contact performance test	Cl 6.11 IEC 60255-1:2009, Cl. 6,9,16 IEC 60255-12:1980, Clause 7, 10, 16 IEC 60255-13: 1980, Cl 6.11 IS/IEC 60255-1:2009, Cl. 6,9,16 IS/IEC 60255-12:1980, Clause 7, 10, 16 IS/IEC 60255-13
340	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Static relay for power protection system	Dielectric test	Cl. 10.6.4.3 IEC 60255-27: 2013, Cl. 11 IEC 60255-12: 1980, Cl. 12 IEC 60255-13: 1980, Cl. 10.6.4.3 IS/IEC 60255-27: 2013, Cl. 11 IS/IEC 60255-12: 1980, Cl. 12 IS/IEC 60255-13
341	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Static relay for power protection system	Harmonic current	Cl. 6.5 IEC 60255-149: 2013, Cl. 6.5 IS/IEC 60255-149

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342	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Static relay for power protection system	Impulse voltage test	Cl. 10.6.4.2 IEC 60255-27: 2013, Cl. 11 IEC 60255-12: 1980, Cl. 12 IEC 60255-13: 1980, Cl. 10.6.4.2 IS/IEC 60255-27: 2013, Cl. 11 IS/IEC 60255-12: 1980, Cl. 12 IS/IEC 60255-13
343	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Static relay for power protection system	Insulation resistance test	Cl. 10.6.4.4 IEC 60255-27: 2013, Cl. 11 IEC 60255-12: 1980, Cl. 12 IEC 60255-13: 1980, Cl. 10.6.4.4 IS/IEC 60255-27: 2013, Cl. 11 IS/IEC 60255-12: 1980, Cl. 12 IS/IEC 60255-13
344	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Static relay for power protection system	Overshoot time test	Cl. 5.4.1 IEC 60255-127: 2010, Cl. 5.4.2 IEC 60255-151: 2009, Cl. 5.4.1 IS/IEC 60255-127: 2010, Cl. 5.4.2 ISIEC 60255-151
345	ELECTRONICS- EMC TEST FACILITY	Electrical / electronic equipment	Pulse magnetic field immunity test	IEC 61000-4-9: 2016, EN 61000-4-9: 2016, IS 14700: Part 4: Sec 9
346	ELECTRONICS- EMC TEST FACILITY	Electrical / electronic equipment, Measuring Relays and protection Equipment, fixed power supply installations and apparatus	Damped oscillatory wave immunity test	IEC 61000-4-18:2019, EN 61000-4-18:2007+ A1:2010, IEC 60255-26: 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26: 2013, IEC 62236-5
347	ELECTRONICS- EMC TEST FACILITY	Electrical /electronic equipment	Ring wave test	IEC/EN 61000-4-12: 2017, IS 14700 : Part 4 : Sec 12
348	ELECTRONICS- EMC TEST FACILITY	Electrical /electronic equipment	Voltage fluctuation immunity test	IEC 61000-4-14:1999+AMD1:2001 +AMD2:2009 EN 61000-4-14:1999+A2:2009, IS 14700: Part 4: Sec 14
349	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronic Equipment, Electric vehicle on-board charger, Off-board electric vehicle charging systems	Harmonic current emission Test	IEC 61000-3-2:2018+A1: 2020, EN IEC 61000-3-2:2019+A1:2021, IS 14700: Part 3: Sec 2: 2020, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, CISPR 32:2015+A1: 2019, EN 55032:2015+A1: 2020, IEC 61851-21-1: 2017, IEC 61851-21-2

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350	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronic Equipment, Off-board electric vehicle charging systems	Voltage Fluctuation & flicker Test	IEC 61000-3-3:2013+A1:2017+A2:2021, EN 61000-3-3:2013+A2:2021, IS 14700: Part 3: Sec 3: 2018, IEC 61851-21-2
351	ELECTRONICS- EMC TEST FACILITY	Electrical/electronic equipment	Damped oscillatory magnetic field test	IEC 61000-4-10: 2016, EN 61000-4-10
352	ELECTRONICS- EMC TEST FACILITY	Electrical/electronic equipment	Gradual shut down/start up test	IEC 60255-26 : 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26
353	ELECTRONICS- EMC TEST FACILITY	Electrical/electronic equipment	Harmonics & Inter Harmonics Test	IEC 61000-4-13:2002+A1:2009+A2:2015 EN 61000-4-13:2002+A2:2016, IS 14700: Part 4: Sec 13
354	ELECTRONICS- EMC TEST FACILITY	Electrical/electronic equipment	Ripple on dc input power	IEC 61000-4-17:1999+A1:2001+A2:2008, EN 61000-4-17:1999+A2:2009, IEC 60255-26: 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26
355	ELECTRONICS- EMC TEST FACILITY	Electrical/electronic equipment	Unbalance Immunity Test	IEC 61000-4-27:2000+AMD1:2009 EN 61000-4-27:2000+A1
356	ELECTRONICS- EMC TEST FACILITY	Electrical/electronic equipment	Variation of Power Frequency Test	IEC 61000-4-28:1999+A1:2001+A2:2009, EN 61000-4-28:2000+A2
357	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Disturbance power test	CISPR 16-2-2:2010, EN 55016-2-2:2011, CISPR 14-1:2020, EN IEC 55014-1:2021, CISPR 32:2015+AMD1:2019, EN 55032:2015+A1
358	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific & Medical Equipment, Information Technology Equipment, Audio Video Equipments, Measurement, Control & Laboratory, Medical Electrical Equipment, Sound & Television Broadcast receivers and associated Equiments, UPS, residential, commercial & light industrial environments, industrial environments, Measuring Relay and Protection Equipment.	Telecom Surge immunity test	Annexure A.2 IEC 61000-4-5:2014+A1

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359	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific and Medical (ISM) Radio-frequency Equipment, Electrical Lighting and Similar Equipment, Information Technology Equipment, Sound and Television Broadcast Receivers and Associated Equipment, Household Appliances, Electric tools and similar apparatus, Electrical Motor-operated and Thermal Appliances for Household and Similar Purposes, Electric Tools and Electric Apparatus, Tele-communication network equipments	Conducted Emission Test	CISPR 11:2015+A1: 2016+ A2: 2019, EN 55011:2016+A2: 2021, CISPR 15:2018, EN IEC 55015:2019+A11:2020, CISPR 14-1:2020, EN 55014-1:2021, CISPR 32:2015+A1:2019, EN 55032:2015+A1:2020 IEC 61326-1:2020, EN 61326-1:2021, IEC 60601-1-2:2014+A1:2020, EN 60601-1-2:2015+A1:2021, IEC 62040-2:2016, EN 62040-2:2018, IEC 61000-6-3:2020, IEC 61000-6-4:2018, IEC 60255-26:2013, EN 60255-26:2013, IS 6873: Part 4:1999, IS 6873: Part 5:2019, IS 6873: Part 2: Sec 1:2019, ETSI EN 300 386 V 2.2.0
360	ELECTRONICS- EMC TEST FACILITY	Industrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment,	Conducted RF Susceptibility Test	IEC 61000-4-6:2013, EN 61000-4-6:2014, IS 14700: Part 4: Sec 6:2016 IEC 61000-6-1:2016, EN 61000-6-1:2019, IS 14700: Part 6: Sec 1:2019, IEC 61000-6-2:2016, EN 61000-6-2:2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1:2020, EN 61326-1:2021, IEC 60601-1-2:2014+A1:2020, EN 60601-1-2:2015+A1:2021, IEC 60255-26:2013, EN 60255-26:2013, IS/IEC 60255: Part 26:2013 IEC 62040-2:2016, EN 62040-2:2018, IS 16242: Part 2:2020, IEC 61547:2020, EN 61547:2009, CISPR 35:2016, IS/CISPR 35

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361	ELECTRONICS- EMC TEST FACILITY	Industrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment	AC voltage dips ,short interruption and voltage variation test	IEC 61000-4-11:2020, EN 61000-4-11:2020, IS 14700: Part 4: Sec 11: 2021, IEC 61000-6-1: 2016, EN 61000-6-1: 2019, IS 14700: Part 6: Sec 1:2019 , IEC 61000-6-2: 2016, EN 61000-6-2: 2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1: 2021, EN 61326-1: 2021, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, IEC 60255-26 : 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26:2013, IEC 62040-2: 2016, EN 62040-2: 2018, IS 16242: Part 2:2020, IEC 61547: 2020, EN 61547
362	ELECTRONICS- EMC TEST FACILITY	Industrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment	DC voltage dips ,short interruption and voltage variation test	IEC 61000-4-29: 2000, EN 61000-4-29:2001, IEC 61000-6-1: 2016, EN 61000-6-1: 2019, IS 14700: Part 6: Sec 1:2019, IEC 61000-6-2: 2016, EN 61000-6-2: 2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1: 2021, EN 61326-1: 2021, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, IEC 60255-26: 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26:2013, IEC 62040-2: 2016, EN 62040-2: 2018, IS 16242: Part 2:2020, IEC 61547:2020, EN 61547

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363	ELECTRONICS- EMC TEST FACILITY	Industrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment	Power frequency magnetic field immunity test	IEC 61000-4-8: 2009, EN 61000-4-8: 2010, IS 14700: Part 4: Sec 8: 2018, IEC 61000-6-1: 2016, EN 61000-6-1: 2019, IS 14700: Part 6: Sec 1:2019 , IEC 61000-6-2: 2016, EN 61000-6-2: 2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1: 2021, EN 61326-1: 2021, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, IEC 60255-26: 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26:2013, IEC 62040-2: 2016, EN 62040-2: 2018, IS 16242: Part 2:2020, IEC 61547:2020, EN 61547:2009, CISPR 35:2016, IS/CISPR 35
364	ELECTRONICS- EMC TEST FACILITY	Industrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment,	Electrical Fast Transient (EFT)/Burst Test	IEC 61000-4-4:2012, EN 61000-4-4:2012, IS 14700: Part 4: Sec 4: 2018, IEC 61000-6-1: 2016, EN 61000-6-1: 2019, IS 14700: Part 6: Sec 1:2019 , IEC 61000-6-2: 2016, EN 61000-6-2: 2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1: 2021, EN 61326-1: 2021, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, IEC 60255-26 : 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26:2013, IEC 62040-2: 2016, EN 62040-2: 2018, IS 16242: Part 2:2020, IEC 61547:2020, EN 61547:2009, CISPR 35:2016, IS/CISPR 35

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365	ELECTRONICS- EMC TEST FACILITY	Industrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment,	Electrostatic Discharge Immunity Test	IEC 61000-4-2:2008, EN 61000-4-2:2009, IS 14700: Part 4: Sec 2: 2018, IEC 61000-6-1: 2016, EN 61000-6-1: 2019, IS 14700: Part 6: Sec 1:2019 , IEC 61000-6-2: 2016, EN 61000-6-2: 2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1: 2021, EN 61326-1: 2021, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, IEC 60255-26 : 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26:2013, IEC 62040-2: 2016, EN 62040-2: 2018, IS 16242: Part 2:2020, IEC 61547:2020, EN 61547:2009, CISPR 35:2016, IS/CISPR 35
366	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments, Electronic equipment used on rolling stock, Rolling stock, signalling and telecommunications apparatus, fixed power supply installations and apparatus, off-board electric vehicle charging systems	Conducted RF Susceptibility Test	EN 55035:2017+A11:2020, IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0: 2020, IEC 60571:2012 IEC 62236-3-2: 2018, IEC 62236-4:2018 IEC 62236-5: 2018, IEC 62236-1: 2018, IEC 61851-21-1: 2017, IEC 61851-21-2
367	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments	DC voltage dips ,short interruption and voltage variation test	CISPR 35:2016, IS/CISPR 35: 2016 IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0
368	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments, Electronic equipment used on rolling stock, Rolling stock, signaling and telecommunications apparatus, fixed power supply installations and apparatus, Electric vehicle on-board charger, Off-board electric vehicle charging systems	Surge Immunity Test	CISPR 35:2016, IS/CISPR 35: 2016 IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0: 2020, IEC 60571:2012 IEC 62236-3-2: 2018, IEC 62236-4:2018 IEC 62236-5: 2018, IEC 62236-1: 2018, IEC 61851-21-1: 2017, IEC 61851-21-2

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369	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments, Electronic equipment used on rolling stock, Rolling stock, signalling and telecommunications apparatus, fixed power supply installations and apparatus, Electric vehicle on-board charger, Off-board electric vehicle charging systems	Electrical Fast Transient / Burst (EFT) Test	IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0: 2020, IEC 60571:2012 IEC 62236-3-2: 2018, IEC 62236-4:2018 IEC 62236-5: 2018, IEC 62236-1: 2018, IEC 61851-21-1: 2017, IEC 61851-21-2
370	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments, Electronic equipment used on rolling stock, Rolling stock, signalling and telecommunications apparatus, fixed power supply installations and apparatus, Electric vehicle on-board charger, Off-board electric vehicle charging systems	Electrostatic Discharge Immunity Test	IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0: 2020, IEC 60571:2012 IEC 62236-3-2: 2018, IEC 62236-4:2018 IEC 62236-5: 2018, IEC 62236-1: 2018, IEC 61851-21-1: 2017, IEC 61851-21-2
371	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments, Off-board electric vehicle charging systems	AC voltage dips ,short interruption and voltage variation test	CISPR 35:2016, IS/CISPR 35: 2016 IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0: 2020, IEC 61851-21-2
372	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments, signaling and telecommunications apparatus, fixed power supply installations and apparatus, Off-board electric vehicle charging systems	Power frequency magnetic field immunity test	IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0: 2020, IEC 62236-4:2018 IEC 62236-5: 2018, IEC 61851-21-2
373	ELECTRONICS- EMC TEST FACILITY	ndustrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment,	Surge Immunity Test	IEC 61000-4-5:2014+A1:2017, EN 61000-4-5:2014+A1: 2017, IS 14700: Part 4: Sec 5: 2019, IEC 61000-6-1: 2016, EN 61000-6-1: 2019, IS 14700: Part 6: Sec 1:2019 , IEC 61000-6-2: 2016, EN 61000-6-2: 2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1: 2021, EN 61326-1: 2021, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, IEC 60255-26 : 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26:2013, IEC 62040-2: 2016, EN 62040-2: 2018, IS 16242: Part 2:2020, IEC 61547:2020, EN 61547

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374	ELECTRONICS- EMC TEST FACILITY	Uninterruptible Power Systems (UPS), Measuring relays and protection equipment, Multimedia Equipment, Electronic equipment used on rolling stock, Rolling stock, signalling and telecommunications apparatus, fixed power supply installations and apparatus, : Electric vehicle on-board charger, Off-board electric vehicle charging systems	Conducted Emission Test	IS 16242: Part 2:2020 IS/IEC 60255: Part 26:2013 IS/CISPR 32: 2015, IEC 60571:2012 IEC 62236-3-2: 2018, IEC 62236-4:2018 IEC 62236-5: 2018, IEC 62236-1: 2018, IEC 61851-21-1: 2017, IEC 61851-21-2
375	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video & Similar Electronic Apparatus	Antenna Coaxial Sockets Mechanical Test	Cl. 12.5 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
376	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video & Similar Electronic Apparatus	Bump Test	Cl. 12.1.2 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
377	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video & Similar Electronic Apparatus	Resistance to Fire	Cl. 20 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
378	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video & Similar Electronics Apparatus	Protection against electric shock	Cl. 9 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
379	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video & Similar Electronics Apparatus	Remote Control Devices	Cl. 12.3 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
380	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video & Similar Electronics Apparatus	Surge Test	Cl. 10.2 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
381	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Determination of hazardous live parts	Cl. 9.1.1 to 9.1.3 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
382	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Insulation resistance	Cl. 10.3.2 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
383	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Pre-set controls	Cl. 9.1.5 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
384	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Resistance to external forces	Cl. 9.1.7 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
385	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Stress relief test	Cl. 12.1.5 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065

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386	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Vibration Test	Cl. 12.1.3 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
387	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Withdrawal of mains plug	Cl. 9.1.6 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
388	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Apparatus containing coin / button cell battteries	Cl. 12.7.1 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
389	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Clearance & creepage distance	Cl. 13 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
390	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Construction requirement for the protection against electric shock	Cl. 8 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
391	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Cord anchorage test	Cl. 16 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
392	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Device forming parts of mains plug	Cl. 15.4 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
393	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Dielectric Strength	Cl. 10.3.2 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
394	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Drawer	Cl. 12.4 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
395	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Drop Test	Cl. 12.7.3.4 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
396	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Earth bond test	Cl. 15.2 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
397	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Electric connection & mechanical fixing	Cl. 17 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
398	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Fault condition	Cl. 4.3 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
399	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Fixed of actuating elements	Cl. 12.2 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065

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400	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Heating test under fault condition	Cl. 11.2 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
401	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Heating under normal operating conditions	Cl. 7.1, 7.2 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
402	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Humidity Test	Cl. 10.3, 8.3 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
403	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Impact Test	Cl. 12.1.4 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
404	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Insulation resistance & dielectric strength	Cl. 10.4 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
405	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Leakage current under fault condition	Cl. 11.1 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
406	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Marking & Instructions	Cl. 5 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
407	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Normal operating conditions	Cl. 4.2 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
408	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Stability	Cl. 19.1 to 19.6 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
409	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Terminals	Cl. 9.1.4 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
410	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Tracking Test	Cl. 13 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
411	ELECTRONICS- SAFETY TESTING FACILITY	Audio,video and similar electronic apparatus	Wall or ceiling mounting means	Cl. 19.7 IEC 60065:2014, IS 616:2017, UL 60065:2015, CSA C22.2 No. 60065
412	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equiment	Resistance to Fire	Cl. 4.7 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1

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413	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Capacitance discharge test	Clause 2.1.1.7, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
414	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Double or reinforced insulation bridged by components	Clause 1.5.7.3,2.4.2, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
415	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Durability of making test	Clause 1.7.13,1.7.11, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
416	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Power input test	Clause 1.6.2, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
417	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Abnormal operation tests & single fault conditions	Cl. 5.3 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
418	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Access to Energized parts test	Clause 2.1.1.1, 2.8.2,2.8.3, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
419	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Clearances	Clause 2.10.3,4.2.2,4.2.3, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1

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420	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Component External Termination and Test on coated component & printed board	Clause 2.10.7.2,2.10.8, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
421	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Component failure test	Cl. 5.3.1,5.3.4,5.3.6 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
422	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Connection by Plug & Sockets	Clause 4.3.5, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
423	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Connection to telecommunication network	Cl. 6 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
424	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Cord guard test	Cl. 2.1.1.1, 2.8.2,2.8.3 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
425	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Determination of working voltage/clearance and creepage measurement	Cl. 2.10.2,2.10.3,2.10.4 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
426	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Drop Test	Clause 4.2.6,4.2.1, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1

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427	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Earthing Test	Clause 2.6.3.4,2.6.1, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
428	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Electric strength test	Cl. 5.2,6.2.2 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
429	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Energy hazard measurements	Clause 2.1.1.5,2.1.2,1.2.8.9, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
430	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Field wiring test (Standard Wire)	Clause 3.3.8,3.2.9, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
431	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Heating test (Thermal requirement)	Cl. 4.5,4.5.1,1.4.12,1.4.13 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
432	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Humidity Test	Clause 2.9.1,2.9.2,5.2.2, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
433	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Impact Test	Clause 4.2.1, 4.2.5 IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1

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434	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Ingress protection	Clause 1.1.2, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
435	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Knobs/handles pull loading test	Clause 4.3.2, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
436	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Limited current circuit measurements	Clause 2.4.1,2.4.2, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
437	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Limited power source measurements	Clause 2.5, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
438	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Openings in enclosure	Clause 4.6, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
439	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Protection against hazardous moving parts test	Clause 4.4, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
440	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Protection from Hazards	Cl. 2 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1

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441	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Protection of equipment users from over voltages on telecom network	Clause 6.2, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
442	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Resistance to abnormal heat (Ball pressure test)	Cl.4.5.5 IEC 60950: 2005 + A1:2009 + A2: 2013, Cl. 4.5.5 IS 13252 (Part 1): 2010, Cl. 4.5.5 EN 60950-1: 2006+A1: 2013, UL 60950-1: 2007, CSA 22.2 60950-1
443	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	SELV reliability test	Clause 2.2.2,2.2.3,2.2.4, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
444	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Sharp edge test	Clause 4.3.1, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
445	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Spillage test	Clause 4.3.10,5.2, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
446	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Stability tests	Clause 4.1, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
447	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Steady force tests	Clause 4.2.1,4.2.4, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1

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448	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Strain relief test	Clause 3.2.6,4.2.1,4.2.7, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
449	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Stress relief test	Clause 4.2.7,4.2.1, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
450	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Switches and relays	Clause 2.8.7, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
451	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Telecom Impulse Test as per IEC 60950-1	Cl. 6.2.2.1 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
452	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	TNV circuits	Clause 2.3, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
453	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Touch current test	Clause 5.1, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
454	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Transformer abnormal operation test	Cl. 5.3.3 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
455	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Transformer abnormal overload operation test Annexure C.1	Annexure C.1 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1

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456	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Transformer/insulation electric strength test	Cl. 2.10.5.2 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
457	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Vibration test	Clause 1.1.2, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
458	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Voltage Surge Test as per IEC 60950-1	Cl. 7.4.2 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
459	ELECTRONICS- SAFETY TESTING FACILITY	Information technology equipment	Wall and ceiling mounted equipment	Clause 4.2.10, IEC 60950-1:2005+ A1:2009+ A2:2013, IS 13252(part 1): 2010, EN 60950-1:2006+ A1:2013, UL 60950-1:2007,CSA 22.2 60950-1
460	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment	Wiring Connections & Supply	Cl. 3 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
461	ELECTRONICS- SAFETY TESTING FACILITY	Information Technology Equipment.	Direct plug-in Equipment.	Cl. 4.3.6 IEC 60950-1: 2005 + A1:2009 + A2: 2013, IS 13252 (Part 1): 2010+A1: 2013+A2: 2015, UL 60950-1: 2007, CSA C22.2 60950-1
462	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment	Medical equipment, oxygen concentrator equipment	Cl. 8.8.3 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 8.8.3 EN 60601-1:2006+A12:2014 Cl. 8.8.3 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.8 ISO 80601-2-69

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463	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Creepage distances & air clearance	Cl. 8.9 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 8.9 EN 60601-1:2006+A12:2014 Cl. 8.9 IS 13450: Part 1: 2018,UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.8 ISO 80601-2-69
464	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Constructional requirement for fire enclosures	Cl. 11.2 & 11.3 IEC 60601-1:2005+A1:2012+A2:2020, Cl. 11.2 & 11.3 EN 60601-1:2006+A12:2014, Cl. 11.2 & 11.3 IS 13450: Part 1: 2018, UL 60601-1:2003,CAN/CSA-C22.2 NO. 60601-1:2014 , Cl. 201.11 ISO 80601-2-69
465	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Cord anchorage & cord guard	Cl. 8.11.3.5 & 8.11.3.6 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 8.11.3.5, 8.11.3.6 EN 60601-1:2006+A12:2014 Cl. 8.11.3.5, 8.11.3.6 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.8 ISO 80601-2-69
466	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Dielectric strength test for transformer	Cl. 15.5.2 IEC 60601-1:2005+A1:2012+A2:2020, Cl. 15.5.2 EN 60601-1:2006+A12:2014, Cl. 15.5.2 IS 13450: Part 1: 2018, UL 60601-1:2003,CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.15 ISO 80601-2-69
467	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Drop test (Hand held ME)	Cl. 15.3.4.1 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 15.3.4.1 EN 60601-1:2006+A12:2014 Cl. 15.3.4.1 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.15 ISO 80601-2-69

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468	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Durability of marking	Cl. 7.1.3 IEC 60601-1:2005+A1:2012+A2:2020, Cl. 7.1.3 EN 60601-1:2006+A12:2014, Cl. 7.1.3 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.7 ISO 80601-2-69
469	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Enclosure test	Cl. 9.2 & 9.8 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 9.2 & 9.8 EN 60601-1:2006+A12:2014 Cl. 9.2 & 9.8 IS 13450: Part 1: 2018, UL 60601-1:2003,CAN/CSA-C22.2 NO. 60601-1:2014 , Cl. 201.9 ISO 80601-2-69
470	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Excessive temperatures	Cl. 11.1 IEC 60601-1:2005+A1:2012+A2:2020, Cl. 11.1 EN 60601-1:2006+A12:2014, Cl. 11.1 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.11 ISO 80601-2-69
471	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Humidity preconditioning treatment	Cl. 5.7 IEC 60601-1:2005+A1:2012+A2:2020, Cl. 5.7 EN 60601-1:2006+A12:2014, Cl. 5.7 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.5 ISO 80601-2-69
472	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Impact test	Cl. 15.3.3 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 15.3.3 EN 60601-1:2006+A12:2014 Cl. 15.3.3 IS 13450: Part 1: 2018, UL 60601-1:2003,CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.15 ISO 80601-2-69

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473	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Instability – overbalance	Cl. 9.4.2 IEC 60601-1:2005+A1:2012+A2:2020, Cl. 9.4.2 EN 60601-1:2006+A2:2021, Cl. 9.4.2 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.9 ISO 80601-2-69
474	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Internal capacitor discharge test	Cl. 8.4.3, 8.4.4 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 8.4.3, 8.4.4 EN 60601-1:2006+A12:2014 Cl. 8.4.3, 8.4.4 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.8 ISO 80601-2-69
475	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Leakage Currents and Patient Auxiliary Currents	Cl. 8.7 IEC 60601-1:2005+A1:2012+A2:2020, Cl. 8.7 EN 60601-1:2006+A12:2014, Cl. 8.7 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.8 ISO 80601-2-69
476	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Limitation of voltage, current or energy	Cl. 8.4 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 8.4 EN 60601-1:2006+A12:2014 Cl. 8.4 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.8 ISO 80601-2-69
477	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Mechanical strength & resistance to heat	Cl. 8.8.4.1 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 8.8.4.1 EN 60601-1:2006+A12:2014 Cl. 8.8.4.1 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.8 ISO 80601-2-69

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478	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Mould stress relief test	Cl. 15.3.6 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 15.3.6 EN 60601-1:2006+A12:2014 Cl. 15.3.6 IS 13450: Part 1: 2018, UL 60601-1:2003,CAN/CSA-C22.2 NO. 60601-1:2014 , Cl. 201.15 ISO 80601-2-69
479	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Power input	Cl. 4.11 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 4.11 EN 60601-1:2006+A12:2014, Cl. 4.11 IS 13450: Part 1: 2018, UL 60601-1:2003,CAN/CSA-C22.2 NO. 60601-1:2014 , Cl. 201.4 ISO 80601-2-69
480	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Protective earthing, functional earthing and potential equalization test	Cl. 8.6 IEC 60601-1:2005+A1:2012+A2:2020, Cl. 8.6 EN 60601-1:2006+A12:2014, Cl. 8.6 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.8 ISO 80601-2-69
481	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Push test	Cl. 15.3.2 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 15.3.2 EN 60601-1:2006+A12:2014 Cl. 15.3.2 IS 13450: Part 1: 2018, UL 60601-1:2003,CAN/CSA-C22.2 NO. 60601-1:2014 , Cl. 201.15 ISO 80601-2-69
482	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Resistance to heat	Cl. 8.8.4.1 IEC 60601-1:2005+A1:2012+A2:2020, Cl. 8.8.4.1 EN 60601-1:2006+A12:2014, Cl. 8.8.4.1 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, ISO 80601-2-69

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483	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Single fault condiation	Cl. 13.2 IEC 60601-1:2005+A1:2012+A2:2020 Cl. 13.2 EN 60601-1:2006+A12:2014 Cl. 13.2 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.13.2.101 ISO 80601-2-69
484	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Transformer overload test	Cl. 15.5.1.3 IEC 60601-1:2005+A1:2012+A2:2020, Cl. 15.5.1.3 EN 60601-1:2006+A12:2014, Cl. 15.5.1.3 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.15 ISO 80601-2-69
485	ELECTRONICS- SAFETY TESTING FACILITY	Medical equipment, oxygen concentrator equipment	Transformer short circuit test	Cl. 15.5.1.2 IEC 60601-1:2005+A1:2012+A2:2020, Cl. 15.5.1.2 EN 60601-1:2006+A12:2014, Cl. 15.5.1.2 IS 13450: Part 1: 2018, UL 60601-1:2003, CAN/CSA-C22.2 NO. 60601-1:2014, Cl. 201.15 ISO 80601-2-69

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Site Facility				
1	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Checking of auxiliary devices	Clause 7.5.1 IEC 60146-1-1:2009, Clause 7.5.1 IS 16539 (Part 1 / Sec 1)
2	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Inherent voltage regulation	Clause 7.3.4 IEC 60146-1-1:2009, Clause 7.3.4 IS 16539 (Part 1 / Sec 1)
3	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Over-current capability	Clause 7.3.3 IEC 60146-1-1:2009, Clause 7.3.3 IS 16539 (Part 1 / Sec 1)
4	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Rated current test	Clause 7.3.2 IEC 60146-1-1:2009, Clause 7.3.2 IS 16539 (Part 1 / Sec 1)
5	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Audible noise	Clause 7.7 IEC 60146-1-1:2009, Clause 7.7 IS 16539 (Part 1 / Sec 1)
6	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Efficiency	Clause 6.2.2 IEC 60146-1-1, Clause 6.2.2 IS 16539 (Part 1 / Sec 1)
7	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Harmonic currents	Clause 7.3.6 IEC 60146-1-1:2009, Clause 7.3.6 IS 16539 (Part 1 / Sec 1)
8	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Insulation Tests	Clause 7.2 IEC 60146-1-1:2009, Clause 7.2 IS 16539 (Part 1 / Sec 1)
9	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Light load and functional Test	Clause 7.3.1 IEC 60146-1-1:2009, Clause 7.3.1 IS 16539 (Part 1 / Sec 1)
10	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Power factor	Clause 7.4.3 IEC 60146-1-1:2009, Clause 7.4.3 IS 16539 (Part 1 / Sec 1)
11	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Ripple voltage and current	Clause 7.3.5 IEC 60146-1-1:2009, Clause 7.3.5 IS 16539 (Part 1 / Sec 1)
12	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Temperature rise	Clause 7.4.2 IEC 60146-1-1:2009, Clause 7.4.2 IS 16539 (Part 1 / Sec 1)
13	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Verification of markings	Clause 6.6 IEC 60146-1-1:2009, Clause 6.6 IS 16539 (Part 1 / Sec 1)

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14	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Verification of properties of control equipment	Clause 7.5.2 IEC 60146-1-1:2009, Clause 7.5.2 IS 16539 (Part 1 / Sec 1)
15	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Battery charger	Verification of protective devices	Clause 7.5.3 IEC 60146-1-1:2009, Clause 7.5.3 IS 16539 (Part 1 / Sec 1)
16	ELECTRONICS- EMC TEST FACILITY	Electrical / electronic equipment	Pulse magnetic field immunity test	IEC 61000-4-9: 2016, EN 61000-4-9: 2016, IS 14700: Part 4: Sec 9
17	ELECTRONICS- EMC TEST FACILITY	Electrical / electronic equipment, Measuring Relays and protection Equipment, fixed power supply installations and apparatus	Damped oscillatory wave immunity test	IEC 61000-4-18:2019, EN 61000-4-18:2007+ A1:2010, IEC 60255-26: 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26: 2013, IEC 62236-5
18	ELECTRONICS- EMC TEST FACILITY	Electrical /electronic equipment	Ring wave test	IEC/EN 61000-4-12: 2017, IS 14700 : Part 4 : Sec 12
19	ELECTRONICS- EMC TEST FACILITY	Electrical/electronic equipment	Damped oscillatory magnetic field test	IEC 61000-4-10: 2016, EN 61000-4-10
20	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Disturbance power test	CISPR 16-2-2:2010, EN 55016-2-2:2011, CISPR 14-1:2020, EN IEC 55014-1:2021, CISPR 32:2015+AMD1:2019, EN 55032:2015+A1
21	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific & Medical Equipment, Information Technology Equipment, Audio Video Equipments, Measurement, Control & Laboratory, Medical Electrical Equipment, Sound & Television Broadcast receivers and associated Equiments, UPS, residential, commercial & light industrial environments, industrial environments, Measuring Relay and Protection Equipment.	Telecom Surge immunity test	Annexure A.2 IEC 61000-4-5:2014+A1

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22	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific and Medical (ISM) Radio-frequency Equipment, Electrical Lighting and Similar Equipment, Information Technology Equipment, Sound and Television Broadcast Receivers and Associated Equipment, Household Appliances, Electric tools and similar apparatus, Electrical Motor-operated and Thermal Appliances for Household and Similar Purposes, Electric Tools and Electric Apparatus, Tele-communication network equipments	Conducted Emission Test	CISPR 11:2015+A1: 2016+ A2: 2019, EN 55011:2016+A2: 2021, CISPR 15:2018, EN IEC 55015:2019+A11:2020, CISPR 14-1:2020, EN 55014-1:2021, CISPR 32:2015+A1:2019, EN 55032:2015+A1:2020 IEC 61326-1:2020, EN 61326-1:2021, IEC 60601-1-2:2014+A1:2020, EN 60601-1-2:2015+A1:2021, IEC 62040-2:2016, EN 62040-2:2018, IEC 61000-6-3:2020, IEC 61000-6-4:2018, IEC 60255-26:2013, EN 60255-26:2013, IS 6873: Part 4:1999, IS 6873: Part 5:2019, IS 6873: Part 2: Sec 1:2019, ETSI EN 300 386 V 2.2.0
23	ELECTRONICS- EMC TEST FACILITY	Industrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment,	Conducted RF Susceptibility Test	IEC 61000-4-6:2013, EN 61000-4-6:2014, IS 14700: Part 4: Sec 6:2016 IEC 61000-6-1:2016, EN 61000-6-1:2019, IS 14700: Part 6: Sec 1:2019, IEC 61000-6-2:2016, EN 61000-6-2:2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1:2020, EN 61326-1:2021, IEC 60601-1-2:2014+A1:2020, EN 60601-1-2:2015+A1:2021, IEC 60255-26:2013, EN 60255-26:2013, IS/IEC 60255: Part 26:2013 IEC 62040-2:2016, EN 62040-2:2018, IS 16242: Part 2:2020, IEC 61547:2020, EN 61547:2009, CISPR 35:2016, IS/CISPR 35

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24	ELECTRONICS- EMC TEST FACILITY	Industrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment	AC voltage dips ,short interruption and voltage variation test	IEC 61000-4-11:2020, EN 61000-4-11:2020, IS 14700: Part 4: Sec 11: 2021, IEC 61000-6-1: 2016, EN 61000-6-1: 2019, IS 14700: Part 6: Sec 1:2019 , IEC 61000-6-2: 2016, EN 61000-6-2: 2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1: 2021, EN 61326-1: 2021, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, IEC 60255-26 : 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26:2013, IEC 62040-2: 2016, EN 62040-2: 2018, IS 16242: Part 2:2020, IEC 61547: 2020, EN 61547
25	ELECTRONICS- EMC TEST FACILITY	Industrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment	DC voltage dips ,short interruption and voltage variation test	IEC 61000-4-29: 2000, EN 61000-4-29:2001, IEC 61000-6-1: 2016, EN 61000-6-1: 2019, IS 14700: Part 6: Sec 1:2019, IEC 61000-6-2: 2016, EN 61000-6-2: 2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1: 2021, EN 61326-1: 2021, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, IEC 60255-26: 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26:2013, IEC 62040-2: 2016, EN 62040-2: 2018, IS 16242: Part 2:2020, IEC 61547:2020, EN 61547

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26	ELECTRONICS- EMC TEST FACILITY	Industrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment	Power frequency magnetic field immunity test	IEC 61000-4-8: 2009, EN 61000-4-8: 2010, IS 14700: Part 4: Sec 8: 2018, IEC 61000-6-1: 2016, EN 61000-6-1: 2019, IS 14700: Part 6: Sec 1:2019 , IEC 61000-6-2: 2016, EN 61000-6-2: 2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1: 2021, EN 61326-1: 2021, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, IEC 60255-26: 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26:2013, IEC 62040-2: 2016, EN 62040-2: 2018, IS 16242: Part 2:2020, IEC 61547:2020, EN 61547:2009, CISPR 35:2016, IS/CISPR 35
27	ELECTRONICS- EMC TEST FACILITY	Industrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment,	Electrical Fast Transient (EFT)/Burst Test	IEC 61000-4-4:2012, EN 61000-4-4:2012, IS 14700: Part 4: Sec 4: 2018, IEC 61000-6-1: 2016, EN 61000-6-1: 2019, IS 14700: Part 6: Sec 1:2019 , IEC 61000-6-2: 2016, EN 61000-6-2: 2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1: 2021, EN 61326-1: 2021, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, IEC 60255-26 : 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26:2013, IEC 62040-2: 2016, EN 62040-2: 2018, IS 16242: Part 2:2020, IEC 61547:2020, EN 61547:2009, CISPR 35:2016, IS/CISPR 35

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28	ELECTRONICS- EMC TEST FACILITY	Industrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment,	Electrostatic Discharge Immunity Test	IEC 61000-4-2:2008, EN 61000-4-2:2009, IS 14700: Part 4: Sec 2: 2018, IEC 61000-6-1: 2016, EN 61000-6-1: 2019, IS 14700: Part 6: Sec 1:2019 , IEC 61000-6-2: 2016, EN 61000-6-2: 2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1: 2021, EN 61326-1: 2021, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, IEC 60255-26 : 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26:2013, IEC 62040-2: 2016, EN 62040-2: 2018, IS 16242: Part 2:2020, IEC 61547:2020, EN 61547:2009, CISPR 35:2016, IS/CISPR 35
29	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments, Electronic equipment used on rolling stock, Rolling stock, signalling and telecommunications apparatus, fixed power supply installations and apparatus, off-board electric vehicle charging systems	Conducted RF Susceptibility Test	EN 55035:2017+A11:2020, IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0: 2020, IEC 60571:2012 IEC 62236-3-2: 2018, IEC 62236-4:2018 IEC 62236-5: 2018, IEC 62236-1: 2018, IEC 61851-21-1: 2017, IEC 61851-21-2
30	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments	DC voltage dips ,short interruption and voltage variation test	CISPR 35:2016, IS/CISPR 35: 2016 IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0
31	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments, Electronic equipment used on rolling stock, Rolling stock, signaling and telecommunications apparatus, fixed power supply installations and apparatus, Electric vehicle on-board charger, Off-board electric vehicle charging systems	Surge Immunity Test	CISPR 35:2016, IS/CISPR 35: 2016 IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0: 2020, IEC 60571:2012 IEC 62236-3-2: 2018, IEC 62236-4:2018 IEC 62236-5: 2018, IEC 62236-1: 2018, IEC 61851-21-1: 2017, IEC 61851-21-2

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
32	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments, Electronic equipment used on rolling stock, Rolling stock, signalling and telecommunications apparatus, fixed power supply installations and apparatus, Electric vehicle on-board charger, Off-board electric vehicle charging systems	Electrical Fast Transient / Burst (EFT) Test	IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0: 2020, IEC 60571:2012 IEC 62236-3-2: 2018, IEC 62236-4:2018 IEC 62236-5: 2018, IEC 62236-1: 2018, IEC 61851-21-1: 2017, IEC 61851-21-2
33	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments, Electronic equipment used on rolling stock, Rolling stock, signalling and telecommunications apparatus, fixed power supply installations and apparatus, Electric vehicle on-board charger, Off-board electric vehicle charging systems	Electrostatic Discharge Immunity Test	IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0: 2020, IEC 60571:2012 IEC 62236-3-2: 2018, IEC 62236-4:2018 IEC 62236-5: 2018, IEC 62236-1: 2018, IEC 61851-21-1: 2017, IEC 61851-21-2
34	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments, Off-board electric vehicle charging systems	AC voltage dips ,short interruption and voltage variation test	CISPR 35:2016, IS/CISPR 35: 2016 IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0: 2020, IEC 61851-21-2
35	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment, household appliances, electric tools and similar apparatus, Tele-communication network equipments, signaling and telecommunications apparatus, fixed power supply installations and apparatus, Off-board electric vehicle charging systems	Power frequency magnetic field immunity test	IS 15039: 2018, CISPR 14-2:2020, EN 55014-2:2021, ETSI EN 300 386 V 2.2.0: 2020, IEC 62236-4:2018 IEC 62236-5: 2018, IEC 61851-21-2
36	ELECTRONICS- EMC TEST FACILITY	ndustrial, scientific and medical equipment, Electrical lighting and similar equipment, Information Technology equipment, Measurement, control & laboratory, Medical electrical equipment, Sound and television broadcast receivers and associated equipment, Uninterrupted power systems (UPS), residential, commercial and light-industrial environments, industrial environments, Measuring Relays and protection Equipment,	Surge Immunity Test	IEC 61000-4-5:2014+A1:2017, EN 61000-4-5:2014+A1: 2017, IS 14700: Part 4: Sec 5: 2019, IEC 61000-6-1: 2016, EN 61000-6-1: 2019, IS 14700: Part 6: Sec 1:2019 , IEC 61000-6-2: 2016, EN 61000-6-2: 2019, IS 14700: Part 6: Sec 2:2019, IEC 61326-1: 2021, EN 61326-1: 2021, IEC 60601-1-2: 2014+A1: 2020, EN 60601-1-2: 2015+A1: 2021, IEC 60255-26 : 2013, EN 60255-26: 2013, IS/IEC 60255: Part 26:2013, IEC 62040-2: 2016, EN 62040-2: 2018, IS 16242: Part 2:2020, IEC 61547:2020, EN 61547

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, SWATANTRYAVEER TATYA TOPE MARG, CHUNABHATTI, SION, MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
37	ELECTRONICS- EMC TEST FACILITY	Uninterruptible Power Systems (UPS), Measuring relays and protection equipment, Multimedia Equipment, Electronic equipment used on rolling stock, Rolling stock, signalling and telecommunications apparatus, fixed power supply installations and apparatus, : Electric vehicle on-board charger, Off-board electric vehicle charging systems	Conducted Emission Test	IS 16242: Part 2:2020 IS/IEC 60255: Part 26:2013 IS/CISPR 32: 2015, IEC 60571:2012 IEC 62236-3-2: 2018, IEC 62236-4:2018 IEC 62236-5: 2018, IEC 62236-1: 2018, IEC 61851-21-1: 2017, IEC 61851-21-2