



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-12959

**Page No** 1 of 51

**Validity** 24/01/2026 to 23/01/2030

**Last Amended on** 10/02/2026

| 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 Testing |   |                              |  |  |
| 1                 | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan Regulator     | Checking of dimensions   | IS 11037 (Cl. 9.5.14)  |
| 2                 | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan regulator     | Creepage distance & clearance  | IS 11037 (Cl. No. 9.5.9)   |
| 3                 | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan regulator     | Earthing Connection  | IS 11037 (Cl. No. 9.5.5)   |
| 4                 | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan Regulator     | Electrical Endurance Test  | IS 11037 (Cl. 9.5.10)  |
| 5                 | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan regulator     | High voltage test  | IS 11037 (Cl. No. 9.5.3)   |
| 6                 | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan regulator     | Insulation resistance  | IS 11037 (Cl. No. 9.5.4)   |
| 7                 | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan regulator     | Leakage Current  | IS 11037 (Cl. No. 9.5.2)   |
| 8                 | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan regulator     | Mechanical Strength  | IS 11037 (Cl. No. 9.3.8)   |
| 9                 | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan regulator     | Performance (Speed Test)   | IS 11037 (Cl. No. 8)   |
| 10                | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan regulator     | Performance (Starting from Rest)   | IS 11037, Cl. No. 8  |
| 11                | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan regulator     | Protection against Electric Shock  | IS 11037 (Cl. No. 9.5.6)   |
| 12                | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan regulator     | Protection against Electric Shock  | IS 11037 (Cl. No. 9.5.6)   |
| 13                | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan Regulator     | Resistance to abnormal heat and fire   | IS 11037 (Cl. 9.5.12)  |
| 14                | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan Regulator     | Resistance to Rusting  | IS 11037 (Cl. 9.5.13)  |



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| 15   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan regulator     | Temperature Rise test  | IS 11037 (Cl. No. 9.5.1)   |
| 16   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Electronic Fan regulator     | Voltage Drop   | IS 11037 (Cl. No. 7.7)   |
| 17   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)   | General Metering and Constructional requirements   | IS 13779 (Cl. No. 6)/ IS 16444 (Cl. No. 6)   |
| 18   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)   | Marking of Meters  | IS 13779 (Cl. No. 7)   |
| 19   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)   | Repeatability of error   | IS 13779 (Cl. No. 12.17)   |
| 20   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)   | Repeatability of error   | IS 13779 (Cl. No. 12.17)   |
| 21   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)   | Repeatability of error   | IS 13779 (Cl. No. 12.17)/ IS 16444 (Cl. No. 6.12)  |
| 22   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)   | Repeatability of error   | IS 13779 (Cl. No. 12.17)   |
| 23   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)   | Spring hammer test   | IS 13779 (Cl. No. 12.3.3)  |
| 24   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)   | Test of immunity to earth /Phase fault   | IS 13779 (Cl. No. 12.8) /IS 16444 (Cl. No. 6.10.7)   |
| 25   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)   | Test of immunity to earth fault  | IS 13779 (Cl. No. 12.8)  |
| 26   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)   | Test of influence of Heating   | IS 13779 (Cl. No. 12.7.5)  |
| 27   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)   | Test of influence of self-heating  | IS 13779 (Cl. No. 12.7.4)  |
| 28   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)   | Test of influence of self-heating  | IS 13779 (Cl. No. 12.7.4)  |



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| 29   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)               | Test of Influence of Short Time Over current   | IS 13779 (Cl. No. 12.7.3)  |
| 30   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)               | Test of influence of supply voltage  | IS 13779 (Cl. No. 12.7.2)  |
| 31   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)               | Test of influence Quantities/ Magnetic Influence Tests   | IS 13779 (Cl. No. 12.11)   |
| 32   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)               | Test of no-load condition  | IS 13779 (Cl. No. 12.13)   |
| 33   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | ENERGY METER (Class 1 & 2)               | Test of resistance to heat & fire  | IS 13779 (Cl. No. 12.4)/ IS 16444 (Cl. No. 6.4)  |
| 34   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1)           | Abnormal Voltage Condition   | CBIP 325 (Cl. No. 4.4.7)   |
| 35   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Insulation resistance test   | IS 14697 (Cl. No. 12.7.6.4)/ IS 16444-2 (Cl. No. 6.10.6)   |
| 36   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of current  | IEC 62053 (Part 22) (Cl. No. 8.1)  |
| 37   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of starting condition   | CBIP 304 (Cl. No. 5.6.5)   |
| 38   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Ac voltage Test  | CBIP 304 (Cl. 5.4.6.3)   |
| 39   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | AC Voltage Test  | IEC 62052 (Part 11) (Cl. No. 7.3.3)  |
| 40   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Ac voltage Test  | IS 14697 (Cl. No. 12.7.6.3)/ IS 16444-2 (Cl. No. 6.10.6)   |
| 41   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | General and Constructional requirements  | IEC 62052-11 (Cl. 5.1)   |
| 42   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | General and Constructional requirements  | CBIP 304 (Cl. No. 4.2)   |



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| 43   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | General and Constructional requirements  | IEC 62052 (Part 11) (Cl. No. 5.1)  |
| 44   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | General and Constructional requirements  | IS 14697 (Cl. No. 6.0)   |
| 45   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Impulse voltage test   | CBIP 304 (Cl. 5.4.6.2)   |
| 46   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Impulse Voltage Test   | IEC 62052 (Part 11) (Cl. No. 7.3.2)  |
| 47   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Impulse voltage test   | IS 14697 (Cl. No. 12.7.6.2)  |
| 48   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Impulse voltage test   | IS 14697 (Cl. No. 12.7.6.2)/ IS 16444-2 (Cl. No. 6.10.6)   |
| 49   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Insulation resistance test   | CBIP 304 (Cl. No. 5.4.6.4)   |
| 50   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Insulation resistance test   | IS 14697 (Cl. No. 12.7.6.4)  |
| 51   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to influence quantities  | IEC 62053 (Part 21) (Cl. No. 8.2)  |
| 52   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of Ambient temperature variation  | IEC 62053 (Part 21) (Cl. No. 8.2)  |
| 53   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of current  | CBIP 304 (Cl. No. 5.6.8)   |
| 54   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of current  | IEC 62053 (Part 21) (Cl. No. 8.1)  |
| 55   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of current  | IEC 62053 (Part 21) (Cl. No. 8.1)  |
| 56   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of current  | IEC 62053 (Part 22) (Cl. No. 8.1)  |



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| 57   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of current  | IS 14697 (Cl. 11.1)  |
| 58   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of current  | IS 14697 (Cl. No. 11.1)  |
| 59   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of current  | IS 14697 (Cl. No. 11.1)  |
| 60   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of current  | IS 14697 (Cl. No. 11.1)/ IS 16444 (Cl. No. 6.12)   |
| 61   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of current  | IS 14697 (Cl. No. 11.1)/ IS 16444-2 (Cl. No. 6.12)   |
| 62   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of current  | IS 14697 (Cl. No. 11.1)/ IS 16444-2 (Cl. No.6.12)  |
| 63   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Marking of Meters  | CBIP 304 (Cl. No. 4.2.2.11)  |
| 64   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Marking of Meters  | IEC 62052 (Part 11) (Cl. No. 5.12)   |
| 65   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Marking of Meters  | IS 14697 (Cl. No. 7.1, 7.2)  |
| 66   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Marking of Meters  | IS 14697 (Cl. No. 7.1, 7.2)/ IS 16444 (Part-2) (Cl. No. 6.8)   |
| 67   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Marking of Meters  | IS 14697 (Cl. No. 7.1,7.2)/ IS 16444-2 (Cl. No. 6.8)   |
| 68   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Repeatability of error   | CBIP 304 (Cl. No. 5.6.9)   |
| 69   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Repeatability of error   | IS 14697 (Cl. No. 12.16)   |
| 70   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Repeatability of error   | IS 14697 (Cl. No. 12.16)   |



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| 71   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Repeatability of error   | IS 14697 (Cl. No. 12.16)   |
| 72   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Repeatability of error   | IS 14697 (Cl. No. 12.16) / IS 16444-2 (Cl. No. 6.12)   |
| 73   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Repeatability of error   | IS 14697 (Cl. No. 12.16) / IS 16444-2 (Cl. No. 6.12)   |
| 74   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Spring hammer test   | CBIP 304 (Cl. No. 5.2.1)   |
| 75   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Spring hammer test   | IEC 62052 (Part 11) (Cl. No. 5.2.2.1)  |
| 76   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Spring hammer test   | IS 14697 (Cl. No. 12.3.3)  |
| 77   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Spring hammer test   | IS 14697 (Cl. No. 12.3.3) / IS 16444-2 (Cl. No. 6.5)   |
| 78   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of ambient temp. Influence  | CBIP 304 (Cl. No. 5.6.3)   |
| 79   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of ambient temp. Influence  | IS 14697 (Cl. No. 12.11)   |
| 80   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of ambient temp. Influence  | IS 14697 (Cl. No. 12.11) / IS 16444-2 (Cl. No. 6.12)   |
| 81   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of ambient temp. Influence  | IS 16444 (Part-2) (Cl. No. 6.12) / IS 14697 (Cl. No. 12.11)  |
| 82   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of immunity to earth fault  | IEC 62052 (Part 11) (Cl. No. 7.4)  |
| 83   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of immunity to earth fault  | IS 14697 (Cl. No. 12.17)   |
| 84   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of immunity to earth fault  | IS 14697 (Cl. No. 12.17) / IS 16444-2 (Cl. No. 6.10.7)   |



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| 85   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of Heating   | CBIP 304 (Cl. No. 5.4.5)   |
| 86   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of Heating   | IEC 62052 (Part 11) (Cl. No. 7.2)  |
| 87   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of Heating   | IEC 62052 (Part 11) (Cl. No. 7.2)  |
| 88   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of Heating   | IS 14697 (Cl. No. 12.7.5)  |
| 89   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of Heating   | IS 14697 (Cl. No. 12.7.5)/ IS 16444-2 (Cl. No. 6.10.5)   |
| 90   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of self-heating  | CBIP 304 (Cl. No. 5.4.4)   |
| 91   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of self-heating  | IEC 62053 (Part 21) (Cl. No. 7.3)  |
| 92   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of self-heating  | IEC 62053 (Part 22) (Cl. No. 7.3)  |
| 93   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of self-heating  | IEC 62053 (Part 22) (Cl. No. 7.3)  |
| 94   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of self-heating  | IS 14697 (Cl. No. 12.7.4)  |
| 95   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of self-heating  | IS 14697 (Cl. No. 12.7.4)  |
| 96   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of Influence of Short Time Over current   | IEC 62053 (Part 21) (Cl. No. 7.2)  |
| 97   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of Influence of Short Time Over current   | IEC 62053 (Part 22) (Cl. No. 7.2)  |
| 98   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of Influence of Short Time Over current   | IS 14697 (Cl. No. 12.7.3)/ IS 16444-2 (Cl. No. 6.10.3)   |



# National Accreditation Board for Testing and Calibration Laboratories

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ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE,  
MUMBAI, MAHARASHTRA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

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| 99   | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of Influence of Short Time Over current   | IS 14697 Cl. No. 12.7.3  |
| 100  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of supply voltage  | CBIP 304 (Cl. No. 5.4.2)   |
| 101  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of supply voltage  | IEC 62052 (Part 11) (Cl. No. 7.1.2)  |
| 102  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of supply voltage  | IEC 62052 (Part-11) (Cl. No. 7.1.2)  |
| 103  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of supply voltage  | IS 14697 Cl. No. 12.7.2  |
| 104  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence Quantities/ Magnetic Influence Tests   | IS 14697 Cl. No. 12.10   |
| 105  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence Quantities/ Magnetic Influence Tests   | IS 16444 (Part-2) (Cl. No. 6.12)/ IS 14697 (Cl. No. 12.10)   |
| 106  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence Quantities/ Magnetic Test  | IEC 62053 (Part 21) (Cl. No. 8.2)  |
| 107  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence Quantities/ Magnetic Test  | IEC 62053 (Part 22) (Cl. No. 8.2)  |
| 108  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of meter constant   | CBIP 304 (Cl. No. 5.6.6)   |
| 109  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of meter constant   | CBIP 304 (Cl. No. 5.6.6)   |
| 110  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of meter constant   | IEC 62053 (Part 21) (Cl. No. 8.4)  |
| 111  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of meter constant   | IEC 62053 (Part 22) (Cl. No. 8.4)  |
| 112  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of meter constant   | IS 14697 Cl. No. 12.14   |





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| 113  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of no-load condition  | CBIP 304 (Cl. No. 5.6.4)   |
| 114  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of no-load condition  | IEC 62053 (Part 21) (Cl. No. 8.3.2)  |
| 115  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of no-load condition  | IEC 62053 (Part 22) (Cl. No. 8.3.2)  |
| 116  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of no-load condition  | IS 14697 Cl. No. 12.12   |
| 117  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of power consumption  | CBIP 304 (Cl. No. 5.4.1)   |
| 118  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of power consumption  | CBIP 304 (Cl. No. 5.4.1)   |
| 119  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of power consumption  | IEC 62052 (Part No. 22) (Cl. 7.1)  |
| 120  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of power consumption  | IEC 62053 (Part 21) (Cl. No. 7.1)  |
| 121  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of power consumption  | IEC 62053 (Part 21) (Cl. No. 7.1)  |
| 122  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of power consumption  | IEC 62053 (Part 22) (Cl. No. 7.1)  |
| 123  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of power consumption  | IS 14697 Cl. No. 12.7.1, IS 16444(Part 2), Cl 6.10.1   |
| 124  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of power consumption  | IS 14697 Cl. No. 12.7.1, IS 16444(Part 2), 6.10.11   |
| 125  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of power consumption (current circuit)  | IS 14697 (Cl. No. 12.7.1)/IS 16444 (Part-2) (Cl. No. 6.10.1.2)                                       |
| 126  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of power consumption Current circuit  | IS 14697 (Cl. No.12.7.1)/ IS 16444-2 (Cl. No. 6.10.1.2)  |



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| 127  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of power consumption voltage circuit  | IS 14697 (Cl. No. 12.7.1)/ IS 16444-2 (Cl. No. 6.10.1.1)   |
| 128  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of resistance to heat & fire  | CBIP 304 (Cl. No. 5.2.4)   |
| 129  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of resistance to heat & fire  | IEC 62052 (Part 11) (Cl. No. 5.9)  |
| 130  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of resistance to heat & fire  | IEC 62052 (Part 11) (Cl. No. 5.9)  |
| 131  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of resistance to heat & fire  | IS 14697 (Cl. No. 12.4)/ IS 16444 (Part-2) (Cl. No. 6.5)   |
| 132  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of resistance to heat & fire  | IS 14697 (Cl. No. 12.4)/ IS 16444-2 (Cl. No. 6.4)  |
| 133  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of resistance to heat & fire  | IS 14697 Cl. No. 12.4  |
| 134  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of starting condition   | IEC 62053 (Part 21) (Cl. No. 8.3.3)  |
| 135  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of starting condition   | IEC 62053 (Part 22) (Cl. No. 8.3.3)  |
| 136  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of starting condition   | IS 14697 (Cl. No.12.13)/ IS 16444-2 (Cl. No. 6.12)   |
| 137  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of starting condition   | IS 14697 Cl. No. 12.13   |
| 138  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | General Metering and Constructional requirements   | IS 14697 (Cl. No. 6.0)/ IS 16444-2 (Cl. No. 6)   |
| 139  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Limits of Error due to variation of current  | IS 14697 (Cl. No.11.1)/ IS 16444-2 (Cl. No. 6.12)  |
| 140  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Marking of Meters  | IEC 62052 (Part 11) (Cl. No. 5.12)   |



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| 141  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Repeatability of error   | IS 14697 (Cl. No.12.16)/ IS 16444-2 (Cl. No. 6.12)   |
| 142  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence of self-heating  | IEC 62053 (Part 21) (Cl. No. 7.3)  |
| 143  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of Influence of Short Time Over current   | CBIP 304 (Cl. No.5.4.3)  |
| 144  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence Quantities/ Magnetic Influence Tests   | CBIP 304 (Cl. No. 5.6.2)   |
| 145  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 0.2,0.5 & 1) | Test of influence Quantities/ Magnetic Influence Tests   | CBIP 304 (Cl. No. 5.6.2)   |
| 146  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2)       | AC Voltage Test  | IS 13779 Cl. No. 12.7.6.3 / IS 15884 Cl. No. 5.4.6.3/ IS 16444 Cl. No. 6.10.6                        |
| 147  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2)       | Impulse voltage test   | IS 13779 (Cl. No. 12.7.6.2)/ IS 16444 (Cl. No. 6.10.6)   |
| 148  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2)       | Impulse voltage test   | IS 13779 (Clause No. 12.7.6.2)/ IS 15884 (Clause No. 5.4.6.2)/ IS 16444 (Clause No. 6.10.6)          |
| 149  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2)       | Insulation Resistance Test   | IS 13779 (Cl. No. 12.7.6.4)/ IS 16444 (Cl. No. 6.10.6)   |
| 150  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2)       | Insulation Resistance Test   | IS 13779 (Cl. No.12.7.6.4)   |
| 151  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2)       | Insulation resistance test   | IS 13779 (Clause 12.7.6.4)/ IS 15884 (Clause No. 5.4.6.4)/ IS 16444 (Clause No. 6.10.6)              |
| 152  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2)       | Limits of Error due to variation of current  | IS 13779 (Cl. No. 11.1)  |
| 153  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2)       | Limits of Error due to variation of current  | IS 13779 (Cl. No. 11.1)/ IS 16444 (Cl. No. 6.12)   |
| 154  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2)       | Limits of Error due to variation of current  | IS 13779 (Cl. No.11.1)   |



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| 155  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Limits of Error due to variation of current  | IS 13779 (Clause No. 11.1)/ IS 15884 (Clause No. 4.6.1)/ IS 16444 (Clause No. 6.12)                  |
| 156  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Limits of Error due to variation of current  | IS 13779 Cl. 11.1/ IS 15884 Cl. No. 4.6.1/ IS 16444 Cl. No. 6.12                                     |
| 157  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Limits of Error due to variation of current  | IS 13779 Cl. No. 11.1, IS 15884 Cl. No. 4.6.1/IS 16444 Cl. No. 6.12                                  |
| 158  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Marking of Meters & Smart Meters   | IS 13779 (Cl. No. 7)/ IS 16444 (Cl. No. 6.8)   |
| 159  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Repeatability of error   | IS 13779 (Cl. No. 12.17)   |
| 160  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Repeatability of error   | IS 13779 (Cl. No. 12.17)/ IS 16444 (Cl. No. 6.12)  |
| 161  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Repeatability of error   | IS 13779 (Cl. No. 12.17)/ IS 16444 (Cl. No. 6.12)  |
| 162  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Repeatability of error   | IS 13779 Cl. No. 12.17 /IS 15884 Cl. No. 5.6.7/IS 16444 Cl. No. 6.12                                 |
| 163  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Repeatability of error   | IS 13779 Cl. No. 12.17/ IS 16444 Cl. No.6.12   |
| 164  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Repeatability of error   | IS 15884 Cl. No. 5.6.7   |
| 165  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Repeatability of error   | IS 13779 (Cl. No. 12.17)/ IS 16444 (Cl. No. 6.12)  |
| 166  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Spring hammer test   | IS 13779 (Cl. No. 12.3.3)/ IS 16444 (Cl. No. 6.5)  |
| 167  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Spring hammer test   | IS 13779 Cl. 12.3.3/ IS 15884 Cl. No. 5.2.1/ IS 16444 Cl. No. 6.5                                    |
| 168  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of ambient temp. Influence  | IS 13779 (Cl. No. 12.12)/ IS 15884 (Cl. No. 4.6.3)/ IS 16444 (Cl. No. 6.12)                          |



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| 169  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of ambient temp. Influence  | IS 13779 (Cl. No. 12.12)/ IS 16444 (Cl. No. 6.12)  |
| 170  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of influence of Heating   | IS 13779 Cl. No. 12.7.5 / IS 15884 Cl. No. 5.4.5 / IS 16444 Cl. No. 6.10.5                           |
| 171  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of influence of Heating   | IS 15884 Cl. No. 5.4.5/ IS 16444 Cl No. 6.10.5   |
| 172  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of influence of Heating   | IS 15884 Cl.5.4.5  |
| 173  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of influence of self-heating  | IS 13779 Cl. No. 12.7.4/ IS 15884 Cl. No. 5.4.4 / IS 16444 Cl. No. 6.10.4                            |
| 174  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of influence of self-heating  | IS 15884 Cl. No. 5.4.4   |
| 175  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of influence of self-heating  | IS 15884 Cl. No. 5.4.4 / IS 16444 Cl. No. 6.10.4   |
| 176  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of influence of self-heating  | IS 15884 Cl.No.5.4.4   |
| 177  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of Influence of Short Time Over current   | IS 13779 (Clause No. 12.7.3) / IS 15884 (Clause No. 5.4.3) / IS 16444 (Clause No. 6.10.3)            |
| 178  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of influence of supply voltage  | IS 13779 (Cl. No. 12.7.2)  |
| 179  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of influence of supply voltage  | IS 13779 Cl. No. 12.7.2 /IS 15884 Cl No. 5.4.2 /IS 16444 Cl. No. 6.10.2                              |
| 180  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of influence Quantities/ Magnetic Influence Tests   | IS 13779 Cl. No.12.11 / IS 15884 Cl. No. 4.6.2 /IS 16444 Cl. No. 6.12                                |
| 181  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of influence Quantities/ Magnetic Influence Tests   | IS 15884 Cl. No. 4.6.2/ IS 13779 Cl. No. 12.11/ IS 16444 Cl. No. 6.12                                |
| 182  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of influence Quantities/ Magnetic Influence Tests   | IS 15884, Cl. No. 4.6.2  |



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| 183  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of meter constant   | IS 13779 Cl. No. 12.15 / IS 15884 Cl. No. 5.6.5 / IS 16444 Cl. No. 6.12                              |
| 184  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of no-load condition  | IS 13779 (Cl. No. 12.13)/ IS 16444 (Cl. No. 6.12)  |
| 185  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of no-load condition  | IS 13779 Cl. No. 12.13/IS 15884 Cl. No. 5.6.3/IS 15884 Cl. No. 6.12                                  |
| 186  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of power consumption  | IS 13779 (Cl. No. 12.7.1)  |
| 187  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of power consumption  | IS 13779 (Cl. No. 12.7.1)  |
| 188  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of power consumption (Current circuit)  | IS 13779 Cl. No.12.7.1 / IS 15884 Cl. No. 5.4.1/ IS 16444 Cl. No. 6.10.1.2                           |
| 189  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of power consumption (voltage circuit)  | IS 13999 Cl. No. 12.7.1 / IS 15884 Cl. No. 5.4.1/ IS 16444 Cl. No. 6.10.1.1                          |
| 190  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of Repeatability of error   | IS 13779 Cl. No. 12.17 / IS 15884 Cl. No. 5.6.7/IS 16444 Cl. No. 6.12                                |
| 191  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of resistance to heat & fire  | IS 13779 (Cl. No. 12.4)  |
| 192  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of resistance to heat & fire  | IS 15884 Cl. No. 5.2.4   |
| 193  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of starting condition   | IS 13779 (Cl. No. 12.14)   |
| 194  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of starting condition   | IS 13779 (Cl. No. 12.14)/ IS 16444 (Cl. No. 6.12)  |
| 195  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | Test of starting condition   | IS 13779 Cl. No. 12.14 / IS 15884 Cl. No. 5.6.4/IS 16444 Cl. No. 6.12                                |
| 196  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2) | General Metering and Constructional requirements   | IS 13779 (Cl. No. 6) / IS 15884 (Cl. No. 4)/ IS 16444 (Cl. 6)  |



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| 197  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2)                          | General Metering and Constructional requirements   | IS 13779 (Cl. No. 6)/ IS 16444 (Cl. No. 6)   |
| 198  | ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES | Static Energy Meters (Class 1 & 2)                          | Limits of Error due to variation of current  | IS 13779 (Cl. No. 11.1)/ IS 16444 (Cl. No. 6.12)   |
| 199  | ELECTRONICS- EMC TEST FACILITY                            | Information technology equipment                            | Conducted RF Susceptibility  | (Withdrawn Standard) CISPR 24, Cl. 4.0   |
| 200  | ELECTRONICS- EMC TEST FACILITY                            | Information technology equipment                            | Electrical Fast Transient  | (Withdrawn Standard) CISPR 24 Cl. 4.0  |
| 201  | ELECTRONICS- EMC TEST FACILITY                            | Information technology equipment                            | Electrostatic Discharge  | (Withdrawn Standard) CISPR 24 Cl. 4.0  |
| 202  | ELECTRONICS- EMC TEST FACILITY                            | Information technology equipment                            | Power Frequency Magnetic Field   | (Withdrawn Standard) CISPR 24, Cl. 4.0   |
| 203  | ELECTRONICS- EMC TEST FACILITY                            | Information technology equipment                            | RF Radiated Susceptibility Test  | (Withdrawn Standard) CISPR 24 Cl. 4.0(80MHz to 1GHz, Max 10V/m)                                      |
| 204  | ELECTRONICS- EMC TEST FACILITY                            | Information technology equipment                            | Surge  | (Withdrawn Standard) CISPR 24, Cl. 4.0   |
| 205  | ELECTRONICS- EMC TEST FACILITY                            | Lighting appliances   | Electrical Fast Transient  | IEC 61547 CL 5.5   |
| 206  | ELECTRONICS- EMC TEST FACILITY                            | AC static direct connected Watthour smart meters            | Conducted Emission   | IS 16444 (Cl. 6.11) (Power Lines only)   |
| 207  | ELECTRONICS- EMC TEST FACILITY                            | AC static direct connected Watthour smart meters            | Electrical Fast Transient  | IS 16444 Cl. No. 6.11  |
| 208  | ELECTRONICS- EMC TEST FACILITY                            | AC static direct connected Watthour smart meters            | Electrostatic Discharge  | IS 16444 Cl. 6.11  |
| 209  | ELECTRONICS- EMC TEST FACILITY                            | AC static direct connected Watthour smart meters            | Radiated Emission  | IS 16444 ,Cl. 6.11 (30MHz to 1GHz)   |
| 210  | ELECTRONICS- EMC TEST FACILITY                            | AC static direct connected Watthour smart meters            | RF Radiated Susceptibility Test  | IS 16444,Cl. 6.11(80MHz to 1GHz, Max 10V/m)  |
| 211  | ELECTRONICS- EMC TEST FACILITY                            | AC static direct connected Watthour smart meters            | Surge  | IS 16444 ,Cl. 6.11   |
| 212  | ELECTRONICS- EMC TEST FACILITY                            | AC Static Transformer Operated Watthour and Var-hour Meters | Conducted Emission   | IS 14697 CL 12.8.6   |
| 213  | ELECTRONICS- EMC TEST FACILITY                            | AC Static Transformer Operated Watthour and Var-hour Meters | Electrical Fast Transient  | IS 14697 (Cl. 12.8.4)  |
| 214  | ELECTRONICS- EMC TEST FACILITY                            | AC Static Transformer Operated Watthour and Var-hour Meters | Electrostatic Discharge  | IS 14697 2021 CL 12.8.2  |
| 215  | ELECTRONICS- EMC TEST FACILITY                            | AC Static Transformer Operated Watthour and Var-hour Meters | Radiated Emission  | IS 14697, CL 12.8.6 (30MHz to 1GHz)  |



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| 216  | ELECTRONICS- EMC TEST FACILITY | AC Static Transformer Operated Watthour and Var-hour Meters       | Radiated Emission  | IS 16444, Part 2 ,Cl. 6.11 (30MHz to 1GHz)   |
| 217  | ELECTRONICS- EMC TEST FACILITY | AC Static Transformer Operated Watthour and Var-hour Meters       | Radiated Radio Frequency Disturbances Power Test   | IS 14697 CL 12.8.6   |
| 218  | ELECTRONICS- EMC TEST FACILITY | AC Static Transformer Operated Watthour and Var-hour Meters       | RF Radiated Susceptibility Test  | IS 14697 CL 12.8.3(80MHz to 1GHz, Max 10V/m)   |
| 219  | ELECTRONICS- EMC TEST FACILITY | AC Static Transformer Operated Watthour and Var-hour Meters       | Surge  | IS 14697, Cl. 12.5.8   |
| 220  | ELECTRONICS- EMC TEST FACILITY | AC Static Transformer Operated Watthour and Var-hour smart Meters | Conducted Emission Test  | IS 16444, Part 2 ,Cl. 6.11   |
| 221  | ELECTRONICS- EMC TEST FACILITY | AC Static Transformer Operated Watthour and Var-hour smart Meters | Electrical Fast Transient  | IS 16444 Part 2 Cl. No. 6.11   |
| 222  | ELECTRONICS- EMC TEST FACILITY | AC Static Transformer Operated Watthour and Var-hour smart Meters | Electrostatic Discharge  | IS 16444 (Part 2), Cl. 6.11  |
| 223  | ELECTRONICS- EMC TEST FACILITY | AC Static Transformer Operated Watthour and Var-hour smart Meters | Radiated Radio Frequency Disturbances Power Test   | IS 16444 (Part 2), Cl. 6.11  |
| 224  | ELECTRONICS- EMC TEST FACILITY | AC Static Transformer Operated Watthour and Var-hour smart Meters | RF Radiated Susceptibility Test  | IS 16444, Part 2 ,Cl. 6.11(80MHz to 1GHz, Max 10V/m)   |
| 225  | ELECTRONICS- EMC TEST FACILITY | AC Static Transformer Operated Watthour and Var-hour smart Meters | Surge  | IS 16444, Part 2 ,Cl. 6.11   |
| 226  | ELECTRONICS- EMC TEST FACILITY | AC Static Watt-hour Meters  | AC Static Watt-hour Meters   | IS 13779 Raff 2014   |
| 227  | ELECTRONICS- EMC TEST FACILITY | AC Static Watt-hour Meters  | Conducted Emission   | IS 13779 CL 12.9.6   |
| 228  | ELECTRONICS- EMC TEST FACILITY | AC Static Watt-hour Meters  | Conducted Emission Test  | IS 13779   |
| 229  | ELECTRONICS- EMC TEST FACILITY | AC Static Watt-hour Meters  | Electric Fast Transient (EFT/Burst) Test   | IS 13779   |
| 230  | ELECTRONICS- EMC TEST FACILITY | AC Static Watt-hour Meters  | Electrostatic Discharge Test   | IS 13779   |
| 231  | ELECTRONICS- EMC TEST FACILITY | AC Static Watt-hour Meters  | Radiated Radio Frequency Disturbances Power Test   | IS 13779 CL 12.9.6   |
| 232  | ELECTRONICS- EMC TEST FACILITY | AC Static Watt-hour Meters  | Radiated RF Disturbance Power Test   | IS 13779   |
| 233  | ELECTRONICS- EMC TEST FACILITY | AC Static Watt-hour Meters  | RF Radiated Susceptibility Test  | IS 13779 CL 12.9.3(80MHz to 1GHz, Max 10V/m)   |
| 234  | ELECTRONICS- EMC TEST FACILITY | AC Static Watt-hour Meters  | Surge  | IS 13779 cl 12.9.5   |
| 235  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use  | Conducted RF Susceptibility  | IEC 61326-1 CL 6.2 (upto 10 Vrms)  |





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| 236  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use  | Electrical Fast Transient  | IEC 61326-1 CL 6.2   |
| 237  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use  | Electrostatic Discharge  | IEC 61326-1 CL 6.2   |
| 238  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use  | Power Frequency Magnetic Field   | IEC 61326-1 CL 6.2   |
| 239  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use  | Radiated Emission  | IEC 61326-1 CL 7.0 (30MHz to 1GHZ)   |
| 240  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use  | RF Radiated Susceptibility Test  | IEC 61326-1 CL 6.2 (80MHz to 1GHZ, Max 10V/m)  |
| 241  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use  | Surge  | IEC 61326-1 CL 6.2   |
| 242  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use  | Voltage dips, short interruption & voltage variations  | IEC 61326-1 CL 6.2   |
| 243  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment | Conducted Emission   | IEC 61326-2-6 CL 7   |
| 244  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment | Conducted RF Susceptibility  | IEC 61326-2-6 CL6.2 (upto 10 Vrms)   |
| 245  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment | Electrical Fast Transient  | IEC 61326-2-6 CL 6.2   |
| 246  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment | Electrostatic Discharge  | IEC 61326-2-6 CL 6.2   |
| 247  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment | Power Frequency Magnetic Field   | IEC 61326-2-6 CL 6.2   |
| 248  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment | Radiated Emission  | IEC 61326-2-6 CL 7.0 (30MHz - 1GHZ)  |
| 249  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment | RF Radiated Susceptibility Test  | IEC 61326-2-6 CL 6.2(80MHz to 1GHZ, Max 10V/m)   |
| 250  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment | Surge  | IEC 61326-2-6 CL 6.2   |
| 251  | ELECTRONICS- EMC TEST FACILITY | Electrical equipment for measurement, control and laboratory use -In vitro diagnostic (IVD) medical equipment | Voltage dips, short interruption & voltage variations  | IEC 61326-2-6 CL 6.2   |
| 252  | ELECTRONICS- EMC TEST FACILITY | Electrical fast transient/burst immunity test   | Electrical Fast Transient  | IEC 61000-4-4  |
| 253  | ELECTRONICS- EMC TEST FACILITY | Electrostatic discharge immunity test   | Electrostatic Discharge  | IEC 61000-4-2:2008 (Withdrawn Standard), IEC 61000-4-2:2025  |
| 254  | ELECTRONICS- EMC TEST FACILITY | Heavy Industrial environments   | Conducted Emission   | IEC 61000-6-4 CL 9   |
| 255  | ELECTRONICS- EMC TEST FACILITY | Heavy Industrial environments   | Radiated Emission  | IEC 61000-6-4 CL 9.0   |



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| 256  | ELECTRONICS- EMC TEST FACILITY | Household appliances  | Conducted Emission   | IEC/CISPR 14-1 CL 4.3  |
| 257  | ELECTRONICS- EMC TEST FACILITY | Household appliances  | Radiated Emission  | IEC/CISPR 14-1   |
| 258  | ELECTRONICS- EMC TEST FACILITY | Household Appliances, Electric Tools and Similar Apparatus            | Conducted RF Susceptibility (Injected currents)  | CISPR 14-2 (upto 10 Vrms)  |
| 259  | ELECTRONICS- EMC TEST FACILITY | Household Appliances, Electric Tools and Similar Apparatus            | Electric Fast Transients   | CISPR 14-2   |
| 260  | ELECTRONICS- EMC TEST FACILITY | Household Appliances, Electric Tools and Similar Apparatus            | Electrostatic Discharge  | CISPR-14-2   |
| 261  | ELECTRONICS- EMC TEST FACILITY | Household Appliances, Electric Tools and Similar Apparatus            | RF Radiated Susceptibility Test  | CISPR 14-2(80MHz to 1GHz, Max 10V/m)   |
| 262  | ELECTRONICS- EMC TEST FACILITY | Household Appliances, Electric Tools and Similar Apparatus            | Surge Immunity Test  | CISPR 14-2   |
| 263  | ELECTRONICS- EMC TEST FACILITY | Household Appliances, Electric Tools and Similar Apparatus            | Voltage dips, short interruption & voltage variations  | CISPR 14-2   |
| 264  | ELECTRONICS- EMC TEST FACILITY | Household electrical / electronic appliances                          | Radiated Radio Frequency Disturbances Power Test   | CISPR 14-1   |
| 265  | ELECTRONICS- EMC TEST FACILITY | Immunity to conducted disturbances, induced by radio-frequency fields | Conducted RF Susceptibility  | IEC 61000-4-6 (upto 10 Vrms)   |
| 266  | ELECTRONICS- EMC TEST FACILITY | Industrial environments   | Conducted RF Susceptibility  | IEC 61000-6-2 CL 9.0 (upto 10 Vrms)  |
| 267  | ELECTRONICS- EMC TEST FACILITY | Industrial environments   | Electrical Fast Transient  | IEC 61000-6-2 CL 9.0   |
| 268  | ELECTRONICS- EMC TEST FACILITY | Industrial environments   | Electrostatic Discharge  | IEC 61000-6-2 CL 9.0   |
| 269  | ELECTRONICS- EMC TEST FACILITY | Industrial environments   | Power Frequency Magnetic Field   | IEC 61000-6-2 CL 9.0   |
| 270  | ELECTRONICS- EMC TEST FACILITY | Industrial environments   | RF Radiated Susceptibility Test  | IEC 61000-6-2 CL 9.0(80MHz to 1GHz, Max 10V/m)   |
| 271  | ELECTRONICS- EMC TEST FACILITY | Industrial environments   | Surge  | IEC 61000-6-2 CL 9.0   |
| 272  | ELECTRONICS- EMC TEST FACILITY | Industrial environments   | Voltage dips, short interruption & voltage variations  | IEC 61000-6-2 CL 9.0   |
| 273  | ELECTRONICS- EMC TEST FACILITY | Industrial Process control and allied equipment                       | Damped Oscillatory wave Immunity Tests   | IEC 61000-4-18   |
| 274  | ELECTRONICS- EMC TEST FACILITY | Industrial, Scientific, and Medical Equipment                         | CONDUCTED EMISSION   | CISPR 11:2019 (Withdrawn), CISPR 11:2024   |
| 275  | ELECTRONICS- EMC TEST FACILITY | Industrial, Scientific, Medical equipment                             | Radiated Emission  | IEC/CISPR 11 CL 6.0 (30MHz to 1GHz)  |



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| 276  | ELECTRONICS- EMC TEST FACILITY | Industrial, Scientific, Medical equipment, Household appliances, Lighting equipment, Information technology equipment, Process control and allied equipment | Current harmonic emissions   | IEC 61000-3-2  |
| 277  | ELECTRONICS- EMC TEST FACILITY | Industrial, Scientific, Medical equipment, Household appliances, Lighting equipment, Information technology equipment, Process control and allied equipment | Voltage Fluctuation & Flicker  | IEC 61000-3-3 CL 5.0   |
| 278  | ELECTRONICS- EMC TEST FACILITY | Information technology equipment  | Conducted Emission   | (Withdrawn Standard) IEC/CISPR 22, Cl. 5   |
| 279  | ELECTRONICS- EMC TEST FACILITY | Information technology equipment  | Radiated Emission  | (Withdrawn Standard) IEC/CISPR 22, Cl. 6   |
| 280  | ELECTRONICS- EMC TEST FACILITY | Information technology equipment  | Voltage dips, short interruption & voltage variations  | (Withdrawn Standard) CISPR 24, Cl. 4.0   |
| 281  | ELECTRONICS- EMC TEST FACILITY | Laboratory equipment  | Conducted Emission   | IEC 61326-1 CL 7.0   |
| 282  | ELECTRONICS- EMC TEST FACILITY | Lighting appliances   | Conducted Emission   | IEC/CISPR 15 CL 4.0  |
| 283  | ELECTRONICS- EMC TEST FACILITY | Lighting appliances   | Conducted RF Susceptibility  | IEC 61547 CL5.6 (upto 10 Vrms)   |
| 284  | ELECTRONICS- EMC TEST FACILITY | Lighting appliances   | Electrostatic Discharge  | IEC 61547 CL 5.2   |
| 285  | ELECTRONICS- EMC TEST FACILITY | Lighting appliances   | Power Frequency Magnetic Field   | IEC 61547 CL 5.4   |
| 286  | ELECTRONICS- EMC TEST FACILITY | Lighting appliances   | Radiated Emission  | IEC/CISPR 15 Cl. 4.5.3   |
| 287  | ELECTRONICS- EMC TEST FACILITY | Lighting appliances   | RF Radiated Susceptibility Test  | IEC 61547 CL 5.3(80MHz to 1GHz, Max 10V/m)   |
| 288  | ELECTRONICS- EMC TEST FACILITY | Lighting appliances   | Surge  | IEC 61547 CL 5.7   |
| 289  | ELECTRONICS- EMC TEST FACILITY | Lighting appliances   | Voltage dips, short interruption & voltage variations  | IEC 61547 CL 5.8   |
| 290  | ELECTRONICS- EMC TEST FACILITY | Medical electrical equipment  | Conducted Emission   | IEC 60601-1-2 CL 7.0   |
| 291  | ELECTRONICS- EMC TEST FACILITY | Medical electrical equipment  | Radiated Emission  | IEC 60601-1-2 CL 7.0 (30MHz - 1GHz)  |
| 292  | ELECTRONICS- EMC TEST FACILITY | Multimedia Equipment, Information technology equipment  | Conducted Emission   | CISPR 32:2013 (Only on Power Line)   |
| 293  | ELECTRONICS- EMC TEST FACILITY | Multimedia Equipment, Information technology equipment  | Conducted RF Susceptibility  | CISPR 35 CL 5.0 (upto 10 Vrms)   |
| 294  | ELECTRONICS- EMC TEST FACILITY | Multimedia Equipment, Information technology equipment  | Electrical Fast Transient  | CISPR 35 CL 5.0  |



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

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**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-12959

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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 |
|------|--------------------------------|---|--|--|
| 295  | ELECTRONICS- EMC TEST FACILITY | Multimedia Equipment, Information technology equipment            | Electrostatic Discharge  | CISPR 35 CL 5.0  |
| 296  | ELECTRONICS- EMC TEST FACILITY | Multimedia Equipment, Information technology equipment            | Power Frequency Magnetic Field   | CISPR 35 CL 5.0  |
| 297  | ELECTRONICS- EMC TEST FACILITY | Multimedia equipment, Information technology equipment            | Radiated Emission  | CISPR 32 (30MHz to 1GHz)   |
| 298  | ELECTRONICS- EMC TEST FACILITY | Multimedia Equipment, Information technology equipment            | RF Radiated Susceptibility Test  | CISPR 35 CL 5.0(80MHz to 1GHz, Max 10V/m)  |
| 299  | ELECTRONICS- EMC TEST FACILITY | Multimedia Equipment, Information technology equipment            | Surge  | CISPR 35 CL 5.0  |
| 300  | ELECTRONICS- EMC TEST FACILITY | Multimedia Equipment, Information technology equipment            | Voltage dips, short interruption & voltage variations  | CISPR 35 CL 5.0  |
| 301  | ELECTRONICS- EMC TEST FACILITY | Power frequency magnetic field immunity test                      | Power Frequency Magnetic Field   | IEC 61000-4-8  |
| 302  | ELECTRONICS- EMC TEST FACILITY | Radiated, radio-frequency, electromagnetic field immunity test    | RF Radiated Susceptibility Test  | IEC 61000-4-3(80MHz to 1GHz, Max 10V/m)  |
| 303  | ELECTRONICS- EMC TEST FACILITY | Residential, commercial and light-industrial environments         | Electrical Fast Transient  | IEC 61000-6-1 CL 9.0   |
| 304  | ELECTRONICS- EMC TEST FACILITY | Residential, commercial and light-industrial environments         | Conducted Emission   | IEC 61000-6-3 CL 11.0  |
| 305  | ELECTRONICS- EMC TEST FACILITY | Residential, commercial and light-industrial environments         | Conducted RF Susceptibility  | IEC 61000-6-1 CL 9.0 (upto 10 Vrms)  |
| 306  | ELECTRONICS- EMC TEST FACILITY | Residential, commercial and light-industrial environments         | Electrostatic Discharge  | IEC 61000-6-1 CL 9.0   |
| 307  | ELECTRONICS- EMC TEST FACILITY | Residential, commercial and light-industrial environments         | Power Frequency Magnetic Field   | IEC 61000-6-1 CL 9.0   |
| 308  | ELECTRONICS- EMC TEST FACILITY | Residential, commercial and light-industrial environments         | Radiated Emission  | IEC 61000-6-3 CL 11.0  |
| 309  | ELECTRONICS- EMC TEST FACILITY | Residential, commercial and light-industrial environments         | RF Radiated Susceptibility Test  | IEC 61000-6-1 CL 9.0(80MHz to 1GHz, Max 10V/m)   |
| 310  | ELECTRONICS- EMC TEST FACILITY | Residential, commercial and light-industrial environments         | Surge  | IEC 61000-6-1 CL 9.0   |
| 311  | ELECTRONICS- EMC TEST FACILITY | Residential, commercial and light-industrial environments         | Voltage dips, short interruption & voltage variations  | IEC 61000-6-1 CL 9.0   |
| 312  | ELECTRONICS- EMC TEST FACILITY | Sound and television broadcast receivers and associated equipment | Conducted Emission   | (Withdrawn Standard) IEC/CISPR 13, Cl. 4.0   |
| 313  | ELECTRONICS- EMC TEST FACILITY | Sound and television broadcast receivers and associated equipment | Conducted RF Susceptibility  | ((Withdrawn Standard) CISPR 20 CL 4.0 (upto 10 Vrms)   |
| 314  | ELECTRONICS- EMC TEST FACILITY | Sound and television broadcast receivers and associated equipment | Electrical Fast Transient  | (Withdrawn Standard) CISPR 20 Cl. 4.0  |



# National Accreditation Board for Testing and Calibration Laboratories

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|------|--------------------------------|---|--|--|
| 315  | ELECTRONICS- EMC TEST FACILITY | Sound and television broadcast receivers and associated equipment | Electrostatic Discharge  | (Withdrawn Standard) IEC/CISPR 20 Cl.4.0   |
| 316  | ELECTRONICS- EMC TEST FACILITY | Sound and television broadcast receivers and associated equipment | Power Frequency Magnetic Field   | (Withdrawn Standard) CISPR 20, Cl. 4.0   |
| 317  | ELECTRONICS- EMC TEST FACILITY | Sound and television broadcast receivers and associated equipment | Radiated Emission  | (Withdrawn Standard) IEC/CISPR 13 Cl. 4.0  |
| 318  | ELECTRONICS- EMC TEST FACILITY | Sound and television broadcast receivers and associated equipment | RF Radiated Susceptibility Test  | (Withdrawn Standard) CISPR 20 Cl. 4.0(80MHz to 1GHz, Max 10V/m)                                      |
| 319  | ELECTRONICS- EMC TEST FACILITY | Sound and television broadcast receivers and associated equipment | Surge  | (Withdrawn Standard) CISPR 20, Cl. 4.0   |
| 320  | ELECTRONICS- EMC TEST FACILITY | Sound and television broadcast receivers and associated equipment | Voltage dips, short interruption & voltage variations  | (Withdrawn Standard) CISPR 20, Cl. 4.0   |
| 321  | ELECTRONICS- EMC TEST FACILITY | Static and electro-mechanical metering devices                    | Conducted Emission   | IEC 62052 -11 Cl.9.3.14 (Power Lines only)   |
| 322  | ELECTRONICS- EMC TEST FACILITY | Static and electro-mechanical metering devices                    | Electrical Fast Transient  | IEC 62052 -11 Cl.9.3.6   |
| 323  | ELECTRONICS- EMC TEST FACILITY | Static and electro-mechanical metering devices                    | Electrostatic Discharge  | IEC 62052-11 Cl.9.3.3  |
| 324  | ELECTRONICS- EMC TEST FACILITY | Static and electro-mechanical metering devices                    | Radiated Emission  | IEC 62052-11 cl.9.3.14 (30MHz to 1GHz)   |
| 325  | ELECTRONICS- EMC TEST FACILITY | Static and electro-mechanical metering devices                    | RF Radiated Susceptibility Test  | "IEC 62052 (Part-11) Cl. 9.3.4(d), Cl. 9.3.5(c)(80MHz to 1GHz, Max 10V/m)"                           |
| 326  | ELECTRONICS- EMC TEST FACILITY | Static and electro-mechanical metering devices                    | Surge  | IEC 62052 -11 Cl.9.3.9   |
| 327  | ELECTRONICS- EMC TEST FACILITY | Static Prepayment Meters  | Conducted Emission   | IS 15884 Cl.5.5.5  |
| 328  | ELECTRONICS- EMC TEST FACILITY | Static Prepayment Meters  | Electrical Fast Transient  | IS 15884 cl.5.5.4  |
| 329  | ELECTRONICS- EMC TEST FACILITY | Static Prepayment Meters  | Electrostatic Discharge  | IS 15884, Cl.5.5.2   |
| 330  | ELECTRONICS- EMC TEST FACILITY | Static Prepayment Meters  | Radiated Emission  | IS 15884 (Cl. 5.5.5) (30MHz to 1GHz)   |
| 331  | ELECTRONICS- EMC TEST FACILITY | Static Prepayment Meters  | RF Radiated Susceptibility Test  | IS 15884, Cl. 5.5.3(80MHz to 1GHz, Max 10V/m)  |
| 332  | ELECTRONICS- EMC TEST FACILITY | Static Prepayment Meters  | Surge  | IS 15884 Cl.5.5.6  |
| 333  | ELECTRONICS- EMC TEST FACILITY | Surge immunity test   | Surge  | IEC 61000-4-5  |



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MUMBAI, MAHARASHTRA, INDIA

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|------|--|---|--|--|
| 334  | ELECTRONICS- EMC TEST FACILITY           | UPS   | Conducted Emission   | IEC 62040-2 CL 5.3.2   |
| 335  | ELECTRONICS- EMC TEST FACILITY           | UPS   | Radiated Emission  | IEC 62040-2 CL 5.3.3 (30MHz to 1GHz)   |
| 336  | ELECTRONICS- EMC TEST FACILITY           | Voltage dips, short interruptions and voltage variations immunity tests                               | Voltage dips, short interruption & voltage variations  | IEC 61000-4-11 CL 5.1 & 5.2  |
| 337  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items & related materials   | Random   | JSS :50101-2022 (Second Revision), Test No. 24.  |
| 338  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items & related materials   | Random   | Cl. No. 12.2.12 of IEC 60571, Ed:3.0 2012-09   |
| 339  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items & related materials   | Random   | Cl. No. 8 & 9 of IEC 61373 Ed : 3.0:2025   |
| 340  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items & related materials   | Random   | IEC 60068-2-64, Ed: 2.1 2019-10  |
| 341  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items & related materials   | Random   | JSS 5555-2025 ( Fifth Revision) Test No.28   |
| 342  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items & related materials   | sinusoidal   | IEC 60068-2-6, Edition 7.0:2007-12   |
| 343  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items & related materials   | Sinusoidal   | IS 9000 (Part VIII)-1981 (Reaffirmed 2021)   |
| 344  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items & related materials   | Sinusoidal   | JSS 50101-2022 ( Second Revision, Test No.23   |
| 345  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items & related materials   | Sinusoidal   | JSS 5555-2025 ( Fifth Revision), Test No. 28   |
| 346  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items & related materials   | Sinusoidal   | QM333, Issue : March 2010, Test No.6, supersedes QM333: Sept 1990                                    |
| 347  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items & related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Dry Heat Test  | IS 9000 (Part III / Sec: 1 to 5)-1977 ( Reaffirmed 2019)   |
| 348  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials   | Bump Test  | QM 333 : Issue: March 2010 ,Test No .13, supersedes QM333: Sept 1990                                 |



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|------|---|---|--|--|
| 349  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials   | Driving Rain Test  | "JSS : 55555-2025 ( Fifth Revision), Test No.12."  |
| 350  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials   | Driving Rain Test  | IS 9000 (Part-XVI)-1983( Reaffirmed 2016)  |
| 351  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials   | Drop Test  | IS 9000 (Part-VII /Sec 3)-1979( Reaffirmed2019)  |
| 352  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials   | Free Fall Test   | "QM 333 : Issue March 2010, Test No.12, supersedes QM333: Sept 1990"                                 |
| 353  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials   | Free Fall Test   | IS 9000 (Part-VII/ Sec 4)-1979 ( Reaffirmed 2019)  |
| 354  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials   | Shock Test (Half Sine)   | IEC 60068-2-27, Ed: 4.0 2008-02  |
| 355  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials   | Shock Test (Half Sine)   | IS 9000 (Part-VII / Sec 1)-1979(Reaffirmed 2019)   |
| 356  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials   | Shock Test (Half Sine)   | JSS :50101-2022 (Second Revision),Test No.12   |
| 357  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Cold Test  | "Cl. No. 12.2.4 & 12.2.15 of IEC 60571 (Ed 3.0) 2012-09/ IEC 60068-2-1 Sixth Edition 2007-03"        |
| 358  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Cold Test  | IEC : 60068-2-1, Sixth Edition 2007-03   |
| 359  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Cold Test  | IS 9000 (Part 2 /Sec 1 to 4)-1977 ( Reaffirmed 2019)   |
| 360  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Cold Test  | JSS : 55555-2025 ( Fifth Revision) Test No.20  |
| 361  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Cold Test  | JSS :50101-2022 (Second Revision),Test No.21   |
| 362  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Cold Test  | QM 333 : Issue :March 2010, Test No.1, superseds QM333: Sept 1990                                    |



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|------|---|---|--|--|
| 363  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Composite Temperature / Humidity test (moisture resistance)  | JSS :50101-2022 (Second Revision), Test No.6,  |
| 364  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Composite Temperature / Humidity test (moisture resistance)  | IS 9000 (Part-VI)-1978 ( Reaffirmed 2019)  |
| 365  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Composite Temperature / Humidity test (moisture resistance)  | IEC 60068-2-38, Ed: 3 2021-03  |
| 366  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Damp Heat (Cyclic) Test  | Cl. No. 12.2.6 of IEC 60571, Ed 3.0 2012-09  |
| 367  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Damp Heat (Cyclic) Test  | IEC 60068-2-30 (Third Edition) 2005-08   |
| 368  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Damp Heat (Cyclic) Test  | IS 9000 (Part-V/Sec:1 & 2)-1981( Reaffirmed 2019)  |
| 369  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Damp Heat (Cyclic) Test  | QM 333 :Issue: March 2010, Test No.3, supersedes QM333: Sept 1990                                    |
| 370  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Damp Heat (Steady State) Test  | IEC 60068-2-78, Ed: 2.0 2012-10  |
| 371  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Damp Heat (Steady State) Test  | IS 9000 (Part-4)-2020 (Second Revision)  |
| 372  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Damp Heat (Steady State) Test  | JSS :50101-2022 (Second Revision), Test No.7.  |
| 373  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Damp Heat (Steady State) Test  | JSS 5555-2025 ( Fifth Revision), Test no.10  |
| 374  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Damp Heat (Steady State) Test  | QM 333 : Issue : March 2010, Test No. 5, supersedes QM333: Sept 1990                                 |
| 375  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Dry Heat Test  | Cl. No. 12.2.5 of IEC 60571, Ed 3.0 2012-09  |
| 376  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Dry Heat Test  | JSS :50101-2022 (Second Revision), Test No.22.   |





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| 377  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Damp Heat (Cyclic) Test  | JSS :50101-2022 (Second Revision), Test No.5.  |
| 378  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Dry Heat Test  | JSS : 55555-2025 ( Fifth Revision) , Test No.17\   |
| 379  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> ) | Dry Heat Test  | QM 333 : Issue :March 2010, Test No.2, supersedes QM333: Sept 1990                                   |
| 380  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials Chamber size 1.6 m X 0.7 m X 0.8 m                  | Salt Spray Test  | Cl. No. 12.2.11 of IEC 60571, Ed 3.0 2012-09\  |
| 381  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials Chamber size 1.6 m X 0.7 m X 0.8 m                  | Salt Spray Test  | IS 9000 (Part-XI)-1983 (Reaffirmed 2019)   |
| 382  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials Chamber size 1.6 m X 0.7 m X 0.8 m                  | Salt Spray Test  | JSS : 55555 -2025 ( Fifth Revision) Test No.9  |
| 383  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials Chamber size 1.6 m X 0.7 m X 0.8 m                  | Salt Spray Test  | JSS :50101-2022 (Second Revision), Test No.4   |
| 384  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials Chamber size 1.6 m X 0.7 m X 0.8 m                  | Salt Spray Test  | QM 333 : Issue: March 2010, Test No.9, supersedes QM333: Sept 1990                                   |
| 385  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials Chamber size 1M <sup>3</sup> and 2M <sup>3</sup>    | Temperature Cycling / Thermal Shock Test   | IEC 60068-2-14, Ed 6.0 2009-01   |
| 386  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials Chamber size 1M <sup>3</sup> and 2M <sup>3</sup>    | Temperature Cycling / Thermal Shock Test   | QM 333 : Issue : March 2010, Test No. 4, supersedes QM333: Sept 1990                                 |
| 387  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials Chamber size 1M <sup>3</sup> and 2M <sup>3</sup>    | Temperature Cycling Test   | JSS :50101-2022 (Second Revision), Test No. 20.  |
| 388  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials Chamber size 1M <sup>3</sup> and 2M <sup>3</sup>    | Temperature: Cycling / Thermal Shock   | IS 9000 (Part-XIV / Sec 1&2)-1988 ( Reaffirmed 2021)   |
| 389  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials Chamber size 1M <sup>3</sup> and 2M <sup>3</sup>    | Temperature: Cycling Test  | IS 9000 (Part-XIV/ Sec 1 & 2)-1988 ( Reaffirmed 2021)  |
| 390  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials Chamber size 1M <sup>3</sup> and 2M <sup>3</sup>    | Temperature: Cycling Test  | QM 333 : Issue : March 2010, Test No. 4, supersedes QM333: Sept 1990                                 |



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|------|---|--|--|--|
| 391  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | Bump Test  | IEC : 60068-2-27 Ed 4.0 2008-02  |
| 392  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | Bump Test  | IS 9000 (Part-VII /Sec 2)-1979 ( Reaffirmed 2019)  |
| 393  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | Bump Test  | JSS : 55555-2025 ( Fifth Revision), Test No.5.   |
| 394  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | Bump Test  | JSS :50101-2022 (Second Revision),Test No. 11.   |
| 395  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | Drop Test  | JSS : 55555-2025 ( Fifth Revision), Test No .13  |
| 396  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | Drop Test  | QM 333 : Issue: March 2010, Test No. 10, supersedes QM333: Sept 1990                                 |
| 397  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | IP IX to IP 6X, IP XI to IP X8   | Cl. No. 8.1.12 of IEC 60947-1, Ed: 6.0 2020-04   |
| 398  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | IP IX to IP 6X, IP XI to IP X8   | IEC : 60529 Ed: 2.2 2013-08  |
| 399  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | Shock Test (Half Sine)   | Cl. No. 12.2.12 of IEC : 60571, Ed : 3.0 2012-09   |
| 400  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | Shock Test (Half Sine)   | JSS : 55555-2025 ( Fifth Revision), Test No.24   |
| 401  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | Topples Test   | JSS : 55555-2025 ( Fifth Revision), Test No .26  |
| 402  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | Topples Test   | IS 9000 (Part-VII / Sec 3)-1979 ( Reaffirmed 2019)   |
| 403  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | Topples Test   | QM 333 : Issue March 2010, Test No.11, supersedes QM333: Sept 1990                                   |
| 404  | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Electrical & Electronic items and related materials. | Tropical Exposure Test   | JSS : 55555-2025 ( Fifth Revision), Test No.27   |



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| 405  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY  | Electrical & Electronic items and related materials. Chamber size 1.6 m X 0.7 m X 0.8 m               | Salt Spray Test  | IEC 60068-2-11, Ed 4.0 2021-03   |
| 406  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY  | Electrical & Electronic items and related materials. Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> | Temperature Cycling / Thermal Shock Test   | JSS :50101-2022 (Second Revision), Test No.20  |
| 407  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY  | Electrical & Electronic items and related materials. Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> | Temperature Cycling / Thermal Shock Test   | JSS : 55555-2025 ( Fifth Revision),Test No.22  |
| 408  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY  | Electrical & Electronic items and related materials. Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> | Temperature Cycling Test   | IEC : 60068-2-14 Ed : 6.0 2009-01  |
| 409  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY  | Electrical & Electronic items and related materials. Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> | Temperature Cycling Test   | JSS : 55555-2025 ( Fifth Revision), Test No.22   |
| 410  | ELECTRONICS- ENVIRONMENTAL TEST FACILITY  | Electrical & Electronics items (Chamber size 1M <sup>3</sup> and 2M <sup>3</sup> )                    | Dry Heat Test  | IEC: 60068-2-2, Ed: 5.0 2007-07  |
| 411  | ELECTRONICS- POWER SUPPLIES & STABILIZERS | UPS, Inverter   | Steady state input voltage tolerance (Line Regulation)   | Cl. No. 6.4.1.1, IEC 62040-3, IS 16242 (Part 3)  |
| 412  | ELECTRONICS- POWER SUPPLIES & STABILIZERS | UPS, Inverter   | Efficiency measurement of UPS & Inverter   | IS 16242 (Part 3,6.4.1.6), IEC 62040-3   |
| 413  | ELECTRONICS- POWER SUPPLIES & STABILIZERS | UPS, Inverter   | Efficiency measurement of UPS & Inverter   | IS 16242(Part 3,6.4.1.6), IEC 62040-3,6.4.1.9  |
| 414  | ELECTRONICS- POWER SUPPLIES & STABILIZERS | UPS, Inverter   | Harmonic distortion of input current   | IS 16242 (Part 3), (Cl.6.4.1.4), IEC 62040-3 (Cl.6.4.1.7)  |
| 415  | ELECTRONICS- POWER SUPPLIES & STABILIZERS | UPS, Inverter   | Harmonic distortion of input current   | IS 16242 (Part 3), IEC 62040-3   |
| 416  | ELECTRONICS- POWER SUPPLIES & STABILIZERS | UPS, Inverter   | Load Regulation  | IS 16242 (Part 3,6.4.2.1 to 6.4.2.4), IEC 62040-3  |
| 417  | ELECTRONICS- POWER SUPPLIES & STABILIZERS | UPS, Inverter   | Overload protection  | IS 16242 (Part 3,6.4.2.10.1 & 6.4.2.10.2), IEC 62040-3,  |
| 418  | ELECTRONICS- POWER SUPPLIES & STABILIZERS | UPS, Inverters  | Power Factor   | Cl. No. 6.4.1.8 IEC 62040-3; IS 16242 (Part-3)   |
| 419  | ELECTRONICS- SAFETY TESTING FACILITY      | d.c or a.c supplied electronic control gear for LED Modules   | Marking  | IS 15885 (Part 2/Section 13): 2012 Cl. No. 7   |
| 420  | ELECTRONICS- SAFETY TESTING FACILITY      | d.c or a.c supplied electronic control gear for LED Modules   | Protection against accidental contact with live part   | IS 15885 (Part 2/Section 13): 2012 Cl. No. 8   |
| 421  | ELECTRONICS- SAFETY TESTING FACILITY      | d.c or a.c supplied electronic control gear for LED Modules   | Resistance to fire   | IS 15885 (Part 2/Section 13) : 2012 Cl. No. 18   |
| 422  | ELECTRONICS- SAFETY TESTING FACILITY      | d.c. or a.c. supplied electronic control gear for LED Modules   | Creepage distances and clearances  | IS 15885 (Part 2/Section 13): 2012 Cl. No.17   |



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| 423  | ELECTRONICS- SAFETY TESTING FACILITY | d.c. or a.c. supplied electronic control gear for LED Modules                         | Provision for earthing   | IS 15885 (Part 2/Section 13): 2012 Cl. No. 10  |
| 424  | ELECTRONICS- SAFETY TESTING FACILITY | d.c. or a.c. supplied electronic control gear for LED Modules                         | Electric strength  | IS 15885 (Part 2/Section 13) : 2012 Cl. No. 12   |
| 425  | ELECTRONICS- SAFETY TESTING FACILITY | d.c. or a.c. supplied electronic control gear for LED Modules                         | Moisture resistance and insulation   | IS 15885 (Part 2/Section 13): 2012 Cl. No.11   |
| 426  | ELECTRONICS- SAFETY TESTING FACILITY | d.c. or a.c. supplied electronic control gear for LED Modules                         | Transformer heating  | IS 15885 (Part 2/Section 13) : 2012 Cl. No.15  |
| 427  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical , electronic and programmable electronic equipment and systems to machines | Insulation resistance test   | IEC-60204-1, ed 6.1, cl. no 18.3   |
| 428  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical , electronic and programmable electronic equipment and systems to machines | Verification of the continuity of the bonding circuit  | IEC 60204-1 ed 6.1 cl.no 18.2.2  |
| 429  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose                               | Abnormal operation   | IEC-60335-1 Ed.5.2, IS 302-1,cl.no.19, IEC 60335-1:2020, ed 6.0, cl no.19                            |
| 430  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose                               | Accessibility to live part   | IEC 60335-1 Ed.5.2, IS 302-1 cl.no.8,IEC 60335-1:2020, ed 6.0, cl no. 8                              |
| 431  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose                               | Clearances, creepage distances and solid insulation  | IEC-60335-1, Ed.5.2, IS 302-1 , cl.no.29, IEC 60335-1:2020, ed 6.0, cl no 29                         |
| 432  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose                               | Cord anchorage   | IEC 60335-1 Ed.5.2, IS 302-1 , cl.no. 25.15, IEC 60335-1:2020, ed 6.0, cl no 25.15                   |
| 433  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose                               | Electric strength  | IEC 60335-1 Ed.5.2, IS 302-1, cl.no. 16, IEC 60335-1:2020, ed 6.0, cl no 16                          |
| 434  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose                               | Heating  | IEC-60335-1 Ed.5.2, IS 302-1, cl.no.11, IEC 60335-1:2020, ed 6.0, cl no 11                           |
| 435  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose                               | Impact test  | IEC-60335-1 Ed.5.2, IS 302-1 , cl.no.21, IEC 60335-1:2020, ed 6.0, cl no 21                          |
| 436  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose                               | Input current  | IEC 60335-1 Ed.5.2, IS 302-1 , cl.no.10, IEC 60335-1:2020, ed 6.0, cl no 10.0                        |
| 437  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose                               | Input current  | IEC-60335-1 Ed.5.2, IS 302-1 , cl.no.10, IEC 60335-1:2020, ed 6.0, cl no 10.0                        |
| 438  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose                               | Leakage current  | IEC 60335-1 Ed. 5.2, IS 302-1 Cl. No. 13.2 & 16.2, IEC 60335-1:2020, ed 6.0, cl no 13.2 & 16.2       |



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| 439  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose   | Marking and instructions   | IEC-60335-1 Ed.5.2, IS 302-1, Cl. No. 7, IEC 60335-1:2020, ed 6.0, cl no 7                           |
| 440  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose   | Moisture resistance  | IEC-60335-1 Ed.5.2, IS 302-1, cl.no.15, IEC 60335-1:2020, ed 6.0, cl no 15                           |
| 441  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose   | Power input  | IEC 60335-1 Ed.5.2, IS 302-1 , cl.no.10, IEC 60335-1:2020, ed 6.0, cl no 10                          |
| 442  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose   | Provision for earthing   | IEC 60335-1 Ed.5.2, IS 302-1, Cl. No. 27, IEC 60335-1:2020, ed 6.0, cl no 27                         |
| 443  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose   | Resistance to fire - Glow wire test  | IEC-60335-1 Ed.5.2, IS 302-1, cl.no.30, IEC 60335-1:2020, ed 6.0, cl no 30                           |
| 444  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose   | Resistance to heat - Ball pressure test  | IEC 60335-1 Ed.5.2, IS 302-1 , cl.no.30, IEC 60335-1:2020, ed 6.0, cl no 30                          |
| 445  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose   | Stability  | IEC-60335-1 Ed.5.2, IS 302-1 , cl.no.20, IEC 60335-1:2020, ed 6.0, cl no 20                          |
| 446  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical appliances for household and similar purpose   | Transient overvoltages   | IEC 60335-1 Ed. 5.2, IS 302-1 , cl.no.14, IEC 60335-1:2020, ed 6.0, cl no 14                         |
| 447  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Accessibility  | IEC 61010-1 ed 3.1 cl.no. 6.2, IEC 61010-2-101 ed 3.0, 2018, clause no. 6.2                          |
| 448  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | capacitive discharge test  | IEC-61010-1 ed 3.1 cl.no. 6.6.2, 6.10.3, IEC 61010-2-101 ed 3.0, 2018, clause no. 6.6.2, 6.10.3      |
| 449  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | cord anchorages  | IEC 61010-1 ed 3.1 cl.no. 6.10.2.2, IEC 61010-2-101 ed 3.0, 2018, clause no. 6.10.2.2                |
| 450  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Creepage distances and clearances  | IEC 61010-1 ed 3.1 cl.no. 6.7, 10.5.1, IEC 61010-2-101 ed 3.0, 2018, clause no. 6.7, 10.5.1          |
| 451  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Drop test  | IEC 61010-1 Ed 3.1 (Cl. No. 8.3), IEC 61010-2-101 ed 3.0, 2018, clause no. 8.3                       |
| 452  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Durability of markings   | IEC 61010-1 Ed 3.1, IEC 61010-2-101 Cl. No. 5.3, IEC 61010-2-101 ed 3.0, 2018, clause no. 5.3        |



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| 453  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | fault conditioning   | IEC-61010-1 ed 3.1 cl.no. 4.4, IEC 61010-2-101 ed 3.0, 2018, clause no. 4.4  |
| 454  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Humidity conditioning  | IEC 61010-1 ed 3.1 cl.no 6.8.2, IEC 61010-2-101 ed 3.0, 2018, clause no. 6.8.2   |
| 455  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Impact test  | IEC 61010-1 Ed 3.1 Cl. No. 8.2.2, IEC 61010-2-101 ed 3.0, 2018, clause no. 8.2.2   |
| 456  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Impedance of protective bonding  | IEC 61010-1 ed 3.1 cl.no. 6.5.2.3,6.5.2.4,6.5.2.5,6.5.2.6, 6.5.4, IEC 61010-2-101 ed 3.0, 2018, clause no. 6.5.2.3, 6.5.2.4, 6.5.2.5, 6.5.2.6, 6.5.4 |
| 457  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Impulse withstand voltage test   | IEC 61010-1 ed 3.1 cl.no. 6.8.3.3 , IEC 61010-2-101 ed 3.0, 2018, clause no. 6.8.3.3   |
| 458  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Input current/Power , input frequency  | IEC-61010-1 ed 3.1 cl.no. 5.1.3, IEC 61010-2-101 ed 3.0, 2018, clause no. 5.1.3  |
| 459  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Input Current/Power , input frequency  | IEC-61010-1 ed 3.1 cl.no. 5.1.3, IEC 61010-2-101 ed 3.0, 2018, clause no. 5.1.3  |
| 460  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | ionizing radiation   | IEC 61010-1:Ed 3.1 Cl. No. 12.2.1, IEC 61010-2-101 ed 3.0, 2018, clause no. 12.2.1   |
| 461  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Limit values for accessible parts  | IEC 61010-1 ed 3.1 cl.no. 6.3, IEC 61010-2-101 ed 3.0, 2018, clause no. 6.3  |
| 462  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Limited energy circuit   | IEC-61010-1 ed 3.1 cl.no. 9.4, IEC 61010-2-101 ed 3.0, 2018, clause no. 9.4  |
| 463  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Residual Energy  | IEC 61010-1 ed 3.1 cl.no. 6.1.1, IEC 61010-2-101 ed 3.0, 2018, clause no. 6.1.1  |
| 464  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Resistance to elevated temperature   | IEC-61010-1 ed 3.1 cl. no. 10.5.2, IEC 61010-2-101 ed 3.0, 2018, clause no. 10.5.2   |
| 465  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | sound pressure level   | "IEC-61010-1 ed 3.1 cl.no. 12.5.1, IEC 61010-2-101 ed 3.0, 2018, clause no. 12.5.1"  |
| 466  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | stability test   | IEC-61010-1 ed 3.1 cl.no. 7.4, IEC 61010-2-101 ed 3.0, 2018, clause no. 7.4  |



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| 467  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Static test  | IEC 61010-1 Ed 3.1 Cl. No. 8.2.1, IEC 61010-2-101 ed 3.0, 2018, clause no. 8.2.1                     |
| 468  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Strength of Handle   | IEC 61010-1 ed 3.1 cl.no. 7.5, IEC 61010-2-101 ed 3.0, 2018, clause no. 7.5                          |
| 469  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | surface temperature limits for protection against burns  | IEC 61010-1 Ed 3.1 Cl. No. 10.1, IEC 61010-2-101 ed 3.0, 2018, clause no. 10.1                       |
| 470  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Touch current  | IEC 61010-1 ed 3.1 cl.no. 6.2.2, IEC 61010-2-101 ed 3.0, 2018, clause no. 6.2.2                      |
| 471  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | vicat softening test   | IEC-61010-1 ed 3.1 cl.no. 10.5.3, IEC 61010-2-101 ed 3.0, 2018, clause no. 10.5.3                    |
| 472  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | voltage test   | IEC 61010-1 ed 3.1 cl.no. 6.8.3, IEC 61010-2-101 ed 3.0, 2018, clause no. 6.8.3                      |
| 473  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Ball pressure test   | IEC 61010-1 Ed 3.1 Cl. No. 10.5.3, IEC 61010-2-101 ed 3.0, 2018, clause no. 10.5.3                   |
| 474  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical test and Measurement equipment, Electrical industrial process control equipment, Electrical laboratory equipment | Impulse Voltage Test   | IEC-61010-1 ed 3.1 : 2017, cl.no. 6.8.3.3  |
| 475  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical, electronic and programmable electronic equipment and systems to machines  | Residual voltage test  | IEC-60204-1, ed 6.1 cl.no. 18 .5   |
| 476  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical, electronic and programmable electronic equipment and systems to machines  | Insulation resistance test   | IEC 60204-1, Ed 6.1, cl. No 18.3   |
| 477  | ELECTRONICS- SAFETY TESTING FACILITY | Electrical, electronic and programmable electronic equipment and systems to machines  | Voltage test   | IEC 60204-1 Ed 6.1 Cl. No. 18.4  |
| 478  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V     | AC Voltage Test / DC Voltage Test  | IEC 62052-31 ed 3.1 cl. no. 6.10.4.4.2.2 & 6.10.4.4.2.3  |
| 479  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V     | Access to energized parts  | IEC 62052-31, ed 1.0, 2015, cl. no. 6.3  |
| 480  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V     | Ball Pressure Test   | IEC62052-31 ed 1.0 Cl.no. 10.5.2   |
| 481  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V     | Durability of marking  | IEC 62052-31, ed 1.0,2015, Cl. no. 5.2.2   |



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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 |
|------|--------------------------------------|---|--|--|
| 482  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Fault conditioning   | IEC 62052-31 ed 1.0 cl.no. 4.4   |
| 483  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Humidity Conditioning  | IEC 62052-31 ed 1.0 cl.no. 6.10.4.2  |
| 484  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Impedance of Protective Bonding  | IEC62052-31 ed 1.0 cl.no. 6.5.2.4  |
| 485  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Impulse Voltage Test   | IEC 62052-31 ed 3.1:2015, Cl. no. 6.10.2.3 & 6.10.3.3  |
| 486  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Input current, Input power, Frequency  | IEC 62052-31 ed 1.0 cl.no. 5.4.9   |
| 487  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Input current, Input Power, Frequency  | IEC 62052-31 ed 1.0 cl.no. 5.4.9   |
| 488  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Input Current, Input Power, frequency  | IEC 62052-31 ed 1.0 cl.no. 5.4.9   |
| 489  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Input Current, Input Power, Frequency  | IEC 62052-31 ed 1.0 cl.no. 5.4.9   |
| 490  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Insulation requirement- Creepage distances and Clearances  | IEC 62052-31 ed 1.0 cl.no. 6.7   |
| 491  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Limited Energy Circuit   | IEC 62052-31 ed 1.0 cl.no. 9.4   |
| 492  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Residual Energy  | IEC 62052-31 ed 1.0  |
| 493  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Resistance to abnormal heat  | IEC 62052-31 ed 1.0 cl.no. 10.5.1  |
| 494  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Spring hammer Test   | IEC 62052-31 ed 1.0 cl.no. 8.2   |
| 495  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V | Temperature Test   | IEC 62052-31 ed 1.0 cl.no. 10.4  |





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|------|--------------------------------------|--|--|--|
| 496  | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment designed to measure and control electrical energy on 50 or 60 Hz with voltage upto 600 V  | Touch Current  | IEC 62052-31 ed 1.0 cl.no. 6.3   |
| 497  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max  | Humidity conditioning  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 2.9.2  |
| 498  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | drop test  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 4.2.6  |
| 499  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Energy hazard  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 2.1.1.5  |



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|------|--------------------------------------|--|--|--|
| 500  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Input current  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 1.6.2  |
| 501  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Input Current  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 1.6.2  |
| 502  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Resistance to abnormal heat  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 4.5.5  |
| 503  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Stress Relief Test   | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 4.2.7  |



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|------|--------------------------------------|--|--|--|
| 504  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | temperature tests  | IS 13252 (Part 1), IEC 60950-1 (Ed 2.2) (Cl. No. 4.5.2)  |
| 505  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Touch current  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 5.1  |
| 506  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Durability   | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 1.7.11   |
| 507  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Access to energize parts   | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 2.1.1.1  |



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|------|--------------------------------------|--|--|--|
| 508  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Discharge of Capacitor   | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 2.1.1.7  |
| 509  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Impact test  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. 4.2.5  |
| 510  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Input Power  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 1.6.2  |
| 511  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Resistance of earthing conductor   | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 2.6.3.4  |



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|------|--------------------------------------|--|--|--|
| 512  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Stability test   | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 4.1  |
| 513  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Steady force test  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 3.1.5, 3.1.9, 4.2.2, 4.2.3, 4.2.4                      |
| 514  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine, smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.  | abnormal operations  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 5  |



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|------|--------------------------------------|--|--|--|
| 515  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus   | Input Test   | IEC 62368-1 Ed 4.0, IS/IEC 62368 (Part-1) Cl. No. B.2.5  |
| 516  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Accessibility to electrical energy sources and safeguards  | IEC 62368-1 Ed 4.0, IS/IEC 62368 (Part-1) Cl. No. 5.3.2, Annex V                                     |



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|------|--------------------------------------|--|--|--|
| 517  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Ball Pressure Test   | IEC 62368-1 Ed 4.0, IS/IEC 62368 (Part-1) Cl. No. 5.4.1.10.3   |
| 518  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Capacitor discharge after disconnection of a connector   | IEC 62368-1 Ed 4.0, IS/IEC 62368 (Part-1) Cl. No. 5.5.2.2  |



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ELECTRONICS REGIONAL TEST LABORATORY (WEST), PLOT NO. F-7 & 8, MIDC AREA, ANDHERI-EAST, GOVERNMENT OF INDIA, MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE, MUMBAI, MAHARASHTRA, INDIA

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| S.No | Discipline / Group                   | Materials or Products tested   | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|------|--------------------------------------|--|--|--|
| 519  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Clearances, Creepage distance and solid insulation   | IEC 62368-1, Ed 4.0, IS/IEC 62368 (Part-1) Cl. No. 5.4.2, 5.4.3, 5.4.4 & G.4.1                       |
| 520  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Durability, legibility and permanence of markings  | IEC 62368-1 Ed 4.0, IS/IEC 62368 (Part-1) Cl. No. F.3.9  |





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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 |
|------|--------------------------------------|--|--|--|
| 521  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Electric Strength Test   | IEC 62368-1 Ed 4.0, IS/IEC 62368 (Part-1) Cl. No. 5.4.9  |
| 522  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Enclosure impact Test  | IEC 62368-1 Ed 4.0, IS/IEC 62368 (Part-1) (Cl. No. T.6)  |



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|------|--------------------------------------|--|--|--|
| 523  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Humidity Conditioning  | IEC 62368-1 ed 4.0 , IS/IEC 62368 P-1 cl. no. 5.4.8  |
| 524  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Input Test   | IEC 62368-1 Ed 4.0 , IS/IEC 62368 (Part-1) Cl. No. B.2.5   |



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|------|--------------------------------------|--|--|--|
| 525  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Input Test   | IEC 62368-1 Ed 4.0 , IS/IEC 62368 (Part-1) Cl. No. B.2.5   |
| 526  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Input Test   | IEC 62368-1 Ed 4.0 , IS/IEC 62368 (Part-1) Cl. No. B.2.5   |



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|------|--------------------------------------|--|--|--|
| 527  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Maximum operating Temperatures for materials, components and systems                                       | IEC 62368-1 Ed 4.0, IS/IEC 62368 (Part-1) Cl. No. 5.4.1.4 & 9.3                                      |
| 528  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Prospective touch Voltage, touch current and protective conductor current                                  | IEC 62368-1 Ed 4.0, IS/IEC 62368 (Part-1) Cl. No. 5.7  |



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|------|--------------------------------------|--|--|--|
| 529  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Steady force test  | IEC 62368-1 Ed 4.0, IS/IEC 62368 (Part-1) Cl. No. T2,T3,T4, T5                                       |
| 530  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V MaxLED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .  | Resistance of protective bonding system  | IEC 62368-1 Ed. 4.0, IS/IEC 62368 (Part-1) Cl. No. 5.6.6   |



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|------|--------------------------------------|---|--|--|
| 531  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine, smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.   | Impulse Test   | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 : 2016, Cl. No. 6.2.1 & 7.4.3                                  |
| 532  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32 " , printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . requirements | Abnormal operating conditions and single fault condition   | IEC 62368-1 Ed 4.0, IS/IEC 62368 (Part-1) Cl. No. B.3 & B.4  |
| 533  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32", printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine , smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max.  | Electrical strength  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 5.2  |



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|------|--------------------------------------|---|--|--|
| 534  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32", printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine, smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | Clearances and Creepage distances  | IS 13252 (Part 1), IEC-60950-1 Ed 2.2, Cl. 2.10  |
| 535  | ELECTRONICS- SAFETY TESTING FACILITY | Laptop, Notebook, Tablet, VDU units of screen size upto 80 inch, Video monitors of screen size 32", printers, plotters, scanners, wireless keyboards, telephone answering machine, set top box, automatic data processing machine, power adopters for audio & IT, mobile phones, cash registers, point of sale terminals, copying board & coated machine, smart card reader, passport reader, Mail Processing Machine/ postage machines/ Franking Machine, power banks for use in portable application, Keyboards, Automatic Teller cash Dispensing Machines, USB Type external Hard Disc Drive, USB Type external solid state storage devices above 256 GB capacity, Standalone switch mode power supply with output voltage 48 V Max. | limited power source measurement test  | IS 13252 (Part 1), IEC 60950-1 Ed 2.2 Cl. No. 2.5  |
| 536  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .  | Clearances and creepage distances  | IS 616, IEC 60065, Cl No 13  |
| 537  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus .  | Insulation resistance  | IS 616, IEC 60065 Cl. No. 10.4   |
| 538  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus  | Provisions for protective earthing   | IS 616, IEC 60065 Cl. No. 15.2   |



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ELECTRONICS & INFORMATION TECHNOLOGY, STQC DIRECTORATE,  
MUMBAI, MAHARASHTRA, INDIA

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**Last Amended on** 10/02/2026

| 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 |
|------|--------------------------------------|--|--|--|
| 539  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Heating under normal operating condition   | IS 616, IEC 60065 Cl. No. 7.1  |
| 540  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus      | Dielectric strength  | IS 616, IEC 60065 Cl. No. 10.4.2   |
| 541  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000 W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus     | Fault conditioning   | IS 616, IEC 60065 Cl 11  |
| 542  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus   | Humidity treatment   | IS 616, IEC 60065 Cl. No. 10.3   |
| 543  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus   | Surge test   | IS 616, IEC 60065 Cl. No. 10.2   |
| 544  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Marking and instructions requirements  | IS 616, IEC 60065 Cl. No. 5  |





# National Accreditation Board for Testing and Calibration Laboratories

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**Laboratory Name :**

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**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-12959

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**Validity** 24/01/2026 to 23/01/2030

**Last Amended on** 10/02/2026

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| 545  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Mechanical strength  | IS 616, IEC 60065 Cl. No. 12   |
| 546  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Stability test   | IS 616, IEC 60065 Cl. No. 19   |
| 547  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus . | Stress relief test   | IS 616, IEC 60065 Cl. No. 12.1.6   |
| 548  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W , Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus   | Impact test  | IS 616, IEC 60065 Cl. No 12.1.4  |
| 549  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W ,Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus     | Ionizing radiation   | IS 616, IEC 60065 Cl. No. 6.1  |
| 550  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W ,Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus      | Accessibility  | IS 616, IEC 60065 Cl. No. 9.1.1.2  |



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| 551  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W ,Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus   | Electric shock hazard under normal operating conditions  | IS 616, IEC 60065 Cl. No. 9  |
| 552  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W ,Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus   | External Flexible Cords strain relief test   | IS 616, IEC 60065 Cl. No. 16.5   |
| 553  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W ,Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus . | Withdrawal of mains plug   | IS 616, IEC 60065 Cl. No. 9.1.6  |
| 554  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus  | Drop test  | IS 616, IEC 60065 Cl. No. 12.1.5   |
| 555  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus  | Vibration test   | IS 616, IEC 60065 Cl. No 12.1.3  |
| 556  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus   | Resistance to external forces  | IS 616, IEC 60065 Cl. No. 9.1.7  |



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| 557  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W , Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch , Power adaptor for Audio, Video and similar electronic apparatus | Heat resistance of insulating material   | IS 616, IEC 60065 Cl. No. 7.2  |
| 558  | ELECTRONICS- SAFETY TESTING FACILITY | LED/LCD/Plasma TV with screen size upto 80 inch, Power amplifiers with input power upto 2000W, Electronic Video games, optical disc player with built in amplifiers of input power upto 200 W, Wireless Headphone and Earphone, Electronic Musical systems with input power upto 200 W, Television other than Plasma, LED, LCD TVs with screen size upto 80 inch, Power adaptor for Audio, Video and similar electronic apparatus   | Touch current  | IS 616, IEC 60065 Cl. No. 9.1.1.2  |
| 559  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Accessibility  | IEC 60255-27 ed 2.0 cl no.5.1.5  |
| 560  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Bonding of protective conductor  | IEC 60255-27 ed 2.0 cl.no. 5.1.6   |
| 561  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Clearances and creepage distances  | IEC 60255-27 ed 2.0 cl. no.5.1.10  |
| 562  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Direct voltage test  | IEC 60255-27 Ed 2.0 Cl. No. 10.6.4.3   |
| 563  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Discharge of capacitors  | IEC 60255-27 ed 2.0 cl. no.5.1.3   |
| 564  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Impulse Voltage Test   | IEC 60255-27 ed 2.0 : 2013, Cl.no. 10.6.4.2  |
| 565  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Insulation resistance  | IEC 60255-27 ed 2.0 cl.no.10.6.4.4   |
| 566  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Insulation resistance  | IEC 60255-27 ed 2.0 cl.no.10.6.4.4   |
| 567  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Leakage current  | IEC 60255-27 ed 2.0 cl. no.5.1.8   |
| 568  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Limited energy circuit   | IEC 60255-27 Ed 2.0 Cl. No. 7.12   |
| 569  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Marking durability   | IEC 60255-27 ed 2.0 cl.no.9.1.11   |
| 570  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Protection against electric shock  | IEC 60255-27 ed 2.0 cl.no.5  |
| 571  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Single fault condition   | IEC 60255-27 ed 2.0 cl.no. 5.2   |
| 572  | ELECTRONICS- SAFETY TESTING FACILITY | Measuring relays and protection equipment   | Temperature under normal operation   | IEC 60255-27 ed 2.0 cl.no.7.3.12   |