



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	1 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- CABLES & WIRES	Cables	Environmental Stress Cracking Test	IS 10810 (Part-29)
2	ELECTRICAL- CABLES & WIRES	Cables	Flammability test	IS 10810(Part-53)
3	ELECTRICAL- CABLES & WIRES	Cables	Heat shock test	IS 10810(Part-14)
4	ELECTRICAL- CABLES & WIRES	Cables	High voltage test (water immersion)	IS 10810(Part-45)
5	ELECTRICAL- CABLES & WIRES	Cables	Loss of Mass	IS 10810(Part-10)
6	ELECTRICAL- CABLES & WIRES	Cables	Measurement of temperature index	IS 10810 (Part-64)
7	ELECTRICAL- CABLES & WIRES	Cables	Shrinkage test	IS 10810(Part-12)
8	ELECTRICAL- CABLES & WIRES	Cables	Thickness of Insulation and Sheath	IS 10810(Part-6)
9	ELECTRICAL- CABLES & WIRES	Cables	Vicat Softening Point Test	IS 10810 (Part-22)
10	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100 V	Tensile Test (Phase/street Light Conductor)	IS 14255
11	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Ageing in air oven XLPE Insulation	IS 14255
12	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Bending Test on the Completed Cable	IS 14255
13	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Breaking load on Messenger Conductor	IS 14255
14	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Carbon Content Test on PE Insulation	IS 14255
15	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Carbon Content Test on XLPE Insulation	IS 14255
16	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Conductor Resistance Test (Messenger Conductorr)	IS 14255
17	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Conductor Resistance Test (Phase/street Light Conductor)	IS 14255
18	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Elongation on Messenger Conductor	IS 14255



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	2 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Environmental Stress Cracking Test on PE Insulation	IS 14255
20	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	High voltage test	IS 14255
21	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Hot Set Test XLPE Insulation	IS 14255
22	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Identification	IS 14255
23	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Insulation Resistance (Volume Resistivity) Test	IS 14255
24	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Melt Flow Index on PE Insulation	IS 14255
25	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Packing and Marking	IS 14255
26	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Shrinkage test XLPE Insulation	IS 14255
27	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Tensile strength and elongation at break on PE Insulation	IS 14255
28	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Tensile strength and elongation at break on XLPE Insulation	IS 14255
29	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Thickness of Insulation	IS 14255
30	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Vicat Softening Point Test	IS 14255
31	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Water absorption test XLPE Insulation (Gravimetric)	IS 14255
32	ELECTRICAL- CABLES & WIRES	Aerial bunched Cables for voltages up to and including 1100V	Wrapping Test (Phase/street Light Conductor)	IS 14255
33	ELECTRICAL- CABLES & WIRES	Cables	Annealing Test (For Copper)	IS 10810 (Part-1)
34	ELECTRICAL- CABLES & WIRES	Cables	Carbon Content Test For Polyethylene	IS 10810 (Part-32)
35	ELECTRICAL- CABLES & WIRES	Cables	Cold bend test	IS 10810 (Part-20)
36	ELECTRICAL- CABLES & WIRES	Cables	Cold impact test	IS 10810 (Part-21)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	3 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
37	ELECTRICAL- CABLES & WIRES	Cables	Conductor Resistance Test	IS 10810 (Part-5)
38	ELECTRICAL- CABLES & WIRES	Cables	Determination of the amount of halogen acid gas evolved during combustion of polymeric materials taken from cables	IS 10810 (Part-59)
39	ELECTRICAL- CABLES & WIRES	Cables	Dimension of Armor	IS 10810(Part-36)
40	ELECTRICAL- CABLES & WIRES	Cables	Flame Retardant Test on Single cable (Swedish Chimney)	IS 10810 (Part-61)
41	ELECTRICAL- CABLES & WIRES	Cables	High voltage test (Room temp.)	IS 10810(Part-45)
42	ELECTRICAL- CABLES & WIRES	Cables	Hot deformation test	IS 10810(Part-15)
43	ELECTRICAL- CABLES & WIRES	Cables	Hot Set Test	IS 10810 (Part-30)
44	ELECTRICAL- CABLES & WIRES	Cables	Insulation Resistance	IS 10810(Part-43)
45	ELECTRICAL- CABLES & WIRES	Cables	Mass of Zinc Coating	IS 10810(Part-41)
46	ELECTRICAL- CABLES & WIRES	Cables	Melt Flow Index on PE Insulation	IS 10810 (Part-23)
47	ELECTRICAL- CABLES & WIRES	Cables	Oil Resistance Test	IS 10810(Part-31)
48	ELECTRICAL- CABLES & WIRES	Cables	Per Sulphate Test/ Tinning Test	IS 10810 (Part-4)
49	ELECTRICAL- CABLES & WIRES	Cables	Resistance, Conductance of Armor	IS 10810(Part-42)
50	ELECTRICAL- CABLES & WIRES	Cables	Smoke Density Test	IS 10810 (Part 63)
51	ELECTRICAL- CABLES & WIRES	Cables	Tensile strength and Elongation at break for armor	IS 10810(Part-37)
52	ELECTRICAL- CABLES & WIRES	Cables	Tensile strength and elongation at breakage of Insulation and sheath	IS 10810(Part-7)
53	ELECTRICAL- CABLES & WIRES	Cables	Tensile Test (For Aluminum)	IS 10810 (Part-2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	4 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
54	ELECTRICAL- CABLES & WIRES	Cables	Thermal ageing in air	10810 (Part-11)
55	ELECTRICAL- CABLES & WIRES	Cables	Thermal stability test	IS 10810 (Part-60)
56	ELECTRICAL- CABLES & WIRES	Cables	Torsion (For Round Wire only)	IS 10810(Part-38)
57	ELECTRICAL- CABLES & WIRES	Cables	Uniformity of Zinc Coating	IS 10810(Part-40)
58	ELECTRICAL- CABLES & WIRES	Cables	Water Absorption Test (Electrical)	IS 1081(Part 28)
59	ELECTRICAL- CABLES & WIRES	Cables	Water absorption test (gravimetric)	IS 10810(Part-33)
60	ELECTRICAL- CABLES & WIRES	Cables	Winding Test for Galvanized Steel Strips for Armoring	IS 10810(Part-39)
61	ELECTRICAL- CABLES & WIRES	Cables	Wrapping Test (For Aluminum)	IS 10810 (Part-3)
62	ELECTRICAL- CABLES & WIRES	Cables for control and instrumentation circuits 150/250 V (300 V)	Cable dimension	IEC 60092-376
63	ELECTRICAL- CABLES & WIRES	Cables for control and instrumentation circuits 150/250 V (300 V)	Conductor resistance	IEC 60092-376
64	ELECTRICAL- CABLES & WIRES	Cables for control and instrumentation circuits 150/250 V (300 V)	High voltage test	IEC 60092-376
65	ELECTRICAL- CABLES & WIRES	Cables for control and instrumentation circuits 150/250 V (300 V)	Hot set test	IEC 60092-376
66	ELECTRICAL- CABLES & WIRES	Cables for control and instrumentation circuits 150/250 V (300 V)	Inductance to resistance ratio	IEC 60092-376
67	ELECTRICAL- CABLES & WIRES	Cables for control and instrumentation circuits 150/250 V (300 V)	Insulation resistance test	IEC 60092-376
68	ELECTRICAL- CABLES & WIRES	Cables for control and instrumentation circuits 150/250 V (300 V)	Mutual capacitance	IEC 60092-376
69	ELECTRICAL- CABLES & WIRES	Cables for control and instrumentation circuits 150/250 V (300 V)	Thickness of insulation and sheath	IEC 60092-376
70	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Ageing in air oven	IS 2465
71	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Ageing in air Oven of Insulation and Sheath	IS 2465
72	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Annealing Test (For Copper)	IS 2465



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	5 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
73	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Capacitance Test	IS 2465
74	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Conductor Resistance Test	IS 2465
75	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Effect of Cooling on Flexibility	IS 2465
76	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Effect of heat on flexibility	IS 2465
77	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Effect of lubricating oil, Brake fluid, Diesel and petrol for general wiring cables	IS 2465
78	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Effect of oil	IS 2465
79	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Flammability test	IS 2465
80	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Heat shock test	IS 2465
81	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	High voltage test	IS 2465
82	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Hot deformation test	IS 2465
83	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Loss of Mass Test of Insulation and Sheath	IS 2465
84	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Per sulphate Test/ Tinning Test	IS 2465
85	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Shrinkage test	IS 2465
86	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Tensile strength and elongation at break of Insulation and Sheath	IS 2465
87	ELECTRICAL- CABLES & WIRES	Cables for motor vehicles	Thickness of Insulation and Sheath and other dimension	IS 2465
88	ELECTRICAL- CABLES & WIRES	Charging cables for electric vehicles	Capacitance Test	IEC 62893-1
89	ELECTRICAL- CABLES & WIRES	Charging cables for electric vehicles	Elongation at break	IEC 62893-1
90	ELECTRICAL- CABLES & WIRES	Charging cables for electric vehicles	Hot set test	IEC 62893-1



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	6 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
91	ELECTRICAL- CABLES & WIRES	Charging cables for electric vehicles	Pressure test at high temperature	IEC 62893-1
92	ELECTRICAL- CABLES & WIRES	Charging cables for electric vehicles	Tensile strength	IEC 62893-1
93	ELECTRICAL- CABLES & WIRES	Communication cable	Capacitance Test	BS EN 50289-1-5
94	ELECTRICAL- CABLES & WIRES	Communication cable	Conductor Elongation at Break	BS EN 50289-3-2
95	ELECTRICAL- CABLES & WIRES	Communication cable	Conductor Resistance	BS EN 50289-1-2
96	ELECTRICAL- CABLES & WIRES	Communication cable	DC resistance test	BS EN 50289-1-2
97	ELECTRICAL- CABLES & WIRES	Communication cable	Dielectric test	BS EN 50289-1-3
98	ELECTRICAL- CABLES & WIRES	Communication cable	Inductance Test	BS EN 50289-1-12
99	ELECTRICAL- CABLES & WIRES	Communication cable	Inductance test	BS EN 50289-1-2
100	ELECTRICAL- CABLES & WIRES	Communication cable	Insulation resistance	BS EN 50289-1-4
101	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Ageing in Air Oven	BS EN 50397-1
102	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Carbon black content	BS EN 50397-1
103	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Compliance with Constructional requirements	BS EN 50397-1
104	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Conductor Resistance	BS EN 50397-1
105	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Construction and dimensions of conductor	BS EN 50397-1
106	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Durability of Marking	BS EN 50397-1
107	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	High Voltage test	BS EN 50397-1
108	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Hot deformation test / Pressure Test at High Temperature	BS EN 50397-1
109	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Hot Set Test	BS EN 50397-1



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	7 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
110	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Leakage current	BS EN 50397-1
111	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Rated Tensile Strength of the conductor	BS EN 50397-1
112	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Shore D Hardness	BS EN 50397-1
113	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Shrinkage Test	BS EN 50397-1
114	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Tensile Strength & Elongation at Break	BS EN 50397-1
115	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Tensile strength and elongation at break on Insulation and Sheath	BS EN 50397-1
116	ELECTRICAL- CABLES & WIRES	Covered Conductors for Overhead Lines and related accessories	Test of Compatibility (Ageing of complete product sample)	BS EN 50397-1
117	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Ageing in air oven of Insulation and Sheath	IS 7098(Part 2)
118	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Annealing Test (For Copper)	IS 7098(Part 2)
119	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Carbon black content of polythene sheath	IS 7098(Part 2)
120	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Conductor Resistance Test	IS 7098(Part 2)
121	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Dimension of Armor	IS 7098(Part 2)
122	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Flame Retardant Test on Single cable (Swedish Chimney)	IS 7098 (Part 2)
123	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Flammability test for PVC sheathed cables	IS 7098(Part 2)
124	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Heat shock test of Sheath	IS 7098(Part 2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	8 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
125	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	High voltage test	IS 7098 (Part 2)
126	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Hot deformation test of Sheath	IS 7098(Part 2)
127	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Hot set test	IS 7098(Part 2)
128	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Identification	IS 7098(Part 2)
129	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Insulation Resistance (Volume Resistivity)	IS 7098(Part 2)
130	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Loss of Mass test of Sheath	IS 7098(Part 2)
131	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Mass of Zinc Coating	IS 7098(Part 2)
132	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Packing and Marking	IS 7098(Part 2)
133	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Resistance, Conductance of Armor	IS 7098(Part 2)
134	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Shrinkage test of Insulation and Sheath	IS 7098(Part 2)
135	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Smoke density test	IS 7098 (Part 2)
136	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Temperature index	IS 7098 (Part 2)
137	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Tensile strength and Elongation at break for armor	IS 7098(Part 2)
138	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Tensile strength and elongation at break of Insulation and Sheath	IS 7098(Part 2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	9 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
139	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Tensile Test (For Aluminum)	IS 7098(Part 2)
140	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Test for halogen acid gas evolution	IS 7098 (Part 2)
141	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Thermal ageing test for completed cable	IS 7098(Part 2)
142	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Thermal stability test	IS 7098(Part 2)
143	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Thickness of Insulation(Ecentricity) and Sheath	IS 7098(Part 2)
144	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Torsion (For Round Wire only)	IS 7098(Part 2)
145	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Uniformity of Zinc Coating	IS 7098(Part 2)
146	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Water absorption test (gravimetric)	IS 7098(Part 2)
147	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Winding Test for Galvanized Steel Strips for Armoring	IS 7098(Part 2)
148	ELECTRICAL- CABLES & WIRES	Cross-linked Polyethylene Insulated Thermoplastic Sheathed Cables Specification. For Working Voltage from 3.3kV Up to and Including 33kV	Wrapping Test (For Aluminum)	IS 7098(Part 2)
149	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables - Test methods for non-metallic materials	Shrinkage test of Insulation	IEC 60811-502
150	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Hot set test for cross-linked materials	IEC 60811-507
151	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Loss of Mass	IEC 60811-409
152	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Mineral oil immersion tests for sheaths	IEC 60811-404
153	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Overall dimension	IEC 60811-203



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	10 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
154	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Pressure test at high temperature for insulation and sheaths/ Hot deformation test	IEC 60811-508
155	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Shrinkage test of Sheath	IEC 60811-503
156	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Test for resistance of insulation and sheaths to cracking (heat shock test)	IEC 60811-509
157	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Tests for determining the mechanical properties of insulating and sheathing compounds	IEC 60811-501
158	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Thermal ageing in air	IEC 60811-401
159	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Thermal stability test for PVC insulation and PVC sheaths	IEC 60811-405
160	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Thickness of Insulation	IEC 60811 -201
161	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Thickness of Sheath	IEC 60811-202
162	ELECTRICAL- CABLES & WIRES	Electric and optical fibre cables Test methods for non-metallic materials	Water absorption tests	IEC 60811-402
163	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Ageing in Air Oven	BS EN 50525-2-11
164	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Compatibility Test	BS EN 50525-2-11
165	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Heat shock test	BS EN 50525-2-11
166	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	High voltage Water immersion test	BS EN 50525-2-11
167	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	High voltage Water immersion test	BS EN 50525-2-11
168	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Long Term Resistance of Insulation to D.C.	BS EN 50525-2-11
169	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Long Term Resistance of Insulation to D.C.	BS EN 50525-2-11
170	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Loss of Mass	BS EN 50525-2-11



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	11 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
171	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Loss of Mass	BS EN 50525-2-11
172	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Mechanical strength of completed cable	BS EN 50525-2-11
173	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Mechanical strength of strain-bearing member	BS EN 50525-2-11
174	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Ovality	BS EN 50525-2-11
175	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Tensile strength and elongation at break on Insulation and Sheath	BS EN 50525-2-11
176	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Tensile strength and elongation at break on Insulation and Sheath	BS EN 50525-2-11
177	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Thermal stability test	BS EN 50525-2-11
178	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Thickness of Insulation and Sheath	BS EN 50525-2-11
179	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Thickness of Insulation and Sheath	BS EN 50525-2-11
180	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Thickness of Insulation(Ecentricity) and Sheath/overall Dimension	BS EN 50525-2-11
181	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Thickness of Insulation(Ecentricity) and Sheath/overall Dimension	BS EN 50525-2-11
182	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Voltage test on Completed Cables	BS EN 50525-2-11
183	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Voltage test on cores	BS EN 50525-2-11
184	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Hot deformation test	BS EN 50525-2-11
185	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Test under fire conditions/Flammability Test	BS EN 50525-2-11
186	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Thermal stability test	BS EN 50525-2-11
187	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)	Conductor Resistance Test	BS EN 50525-2-11



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	12 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
188	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Conductor Resistance Test	BS EN 50525(Part-1)
189	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Conductor Resistance Test	BS EN 50525(Part-1)
190	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Identification	BS EN 50525(Part-1)
191	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Insulation Resistance (Volume Resistivity)	BS EN 50525(Part-1)
192	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Long Term Resistance of Insulation to D.C.	BS EN 50525(Part-1)
193	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Separation of cores	BS EN 50525(Part-1)
194	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Surface Resistance of sheath	BS EN 50525(Part-1)
195	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Thickness and overall diameter of Insulation and sheath	BS EN 50525(Part-1)
196	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Thickness of Insulation and Sheath	BS EN 50525(Part-1)
197	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Voltage test on Completed Cables	BS EN 50525(Part-1)
198	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Voltage test on Completed Cables	BS EN 50525(Part-1)
199	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Voltage test on cores	BS EN 50525(Part-1)
200	ELECTRICAL- CABLES & WIRES	Electric cables — Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) Part 1: General requirements	Voltage test on cores	BS EN 50525(Part-1)
201	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5 KV DC	Surface Resistance of Sheath	IEC 62930



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	13 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
202	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Ageing in Air Oven	BS EN 50618
203	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Ageing in Air Oven	IEC 62930
204	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Compatibility Test	BS EN 50618
205	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Compatibility Test	IEC 62930
206	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Conductor Resistance	BS EN 50618
207	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Conductor Resistance	IEC 62930
208	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Continuity of Tin	BS EN 50618
209	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Continuity of Tin	IEC 62930
210	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Diameter of Conductor	BS EN 50618
211	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Diameter of Conductor	IEC 62930
212	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Halogen Gas	BS EN 50618
213	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Hot Set Test	BS EN 50618
214	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Hot Set Test	IEC 62930
215	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Insulation Resistance	BS EN 50618
216	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Insulation Resistance	IEC 62930
217	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Long Term Resistance of insulation to D.C.	BS EN 50618
218	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Long Term Resistance of insulation to D.C.	IEC 62930
219	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Measurement of Thickness of Insulation & Sheath	BS EN 50618
220	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Measurement of Thickness of Insulation & Sheath	IEC 62930



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	14 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
221	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Ovality	BS EN 50618
222	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Ovality	IEC 62930
223	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Shrinkage Test	BS EN 50618
224	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Shrinkage Test	IEC 62930
225	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Tensile strength and elongation at break on Insulation and Sheath	BS EN 50618
226	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Tensile strength and elongation at break on Insulation and Sheath	IEC 62930
227	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Test for vertical flame propagation	BS EN 50618
228	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Test for vertical flame propagation	IEC 62930
229	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Voltage Test on completed cable with A.C. or D.C.	BS EN 50618
230	ELECTRICAL- CABLES & WIRES	Electrical Cables for photovoltaic systems with a Voltage Rating of 1.5KV DC	Voltage Test on completed cable with A.C. or D.C.	IEC 62930
231	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables	Adhesion Test	IS 3975
232	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables	Dimension for Armouring Material	IS 3975
233	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables	Mass of Zinc Coating	IS 3975
234	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables	Resistivity & Conductance test of Armour (Wires/strips)	IS 3975
235	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables	Tensile strength and Elongation at break for armor	IS 3975
236	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables	Torsion Test on Galvanized steel wire for Armouring	IS 3975
237	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables	Uniformity of Zinc coating Test	IS 3975
238	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables	Winding Test for Galvanized formed wires	IS 3975



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	15 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
239	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized Steel Wires, Formed Wires and Tapes for Armouring of Cables	Wrapping test for Aluminum wires	IS 3975
240	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Accelerated Water Absorption Test (Electrical)	IEC 60502 (Part-1)
241	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Carbon Content Test	IEC 60502 (Part-1)
242	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Conductor Resistance	IEC 60502 (Part-1)
243	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Heat Shock Test	IEC 60502 (Part-1)
244	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	High Voltage Test (4 Hour Test)	IEC 60502 (Part-1)
245	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	High Voltage test at room temperature	IEC 60502 (Part-1)
246	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Hot deformation test / Pressure Test at High Temperature	IEC 60502 (Part-1)
247	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Hot Set Test	IEC 60502 (Part-1)
248	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Insulation Resistance	IEC 60502 (Part-1)
249	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Shrinkage Test	IEC 60502 (Part-1) :
250	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Tensile strength and elongation at break on Insulation and Sheath	IEC 60502 (Part-1) :
251	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Test under Fire Conditions / Flammability Test	IEC 60502 (Part-1)
252	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Thermal ageing test for complete cable/ Additional Ageing Test on pieces of Completed Cables	IEC 60502 (Part-1)
253	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Thermal Stability	IEC 60502 (Part-1)
254	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Water Absorption Test (Gravimetric)	IEC 60502 (Part-1)
255	ELECTRICAL- CABLES & WIRES	Power Cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV	Ageing in Air Oven	IEC 60502 (Part-1)
256	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/ 750 V	Ageing in air Oven	IEC 60227 (Part-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	16 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
257	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/ 750 V	Tensile strength and elongation at break	IEC 60227 (Part-4)
258	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/ 750 V	Thermal stability test	IEC 60227 (Part-2)
259	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Ageing in air Oven	IEC 60227 (Part-2)
260	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Ageing in air Oven	IEC 60227 (Part-3)
261	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Ageing in air Oven	IEC 60227 (Part-4)
262	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Ageing in air Oven	IEC 60227 (Part-5)
263	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Ageing in air Oven	IEC 60227(Part-6)
264	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Conductor Resistance Test	IEC 60227 (Part-1)
265	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Conductor Resistance Test	IEC 60227 (Part-2)
266	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Conductor Resistance Test	IEC 60227 (Part-3)
267	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Conductor Resistance Test	IEC 60227 (Part-4)
268	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Conductor Resistance Test	IEC 60227 (Part-5)
269	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Conductor Resistance Test	IEC 60227(Part-6)
270	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Durability & Legibility of Marking	IEC 60227 (Part-2)
271	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Flame retardance test	IEC 60227 (Part-1)
272	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Flame retardance test	IEC 60227 (Part-2)
273	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Flame retardance test	IEC 60227 (Part-4)
274	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Flame retardance test	IEC 60227 (Part-5)
275	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Flame retardance test	IEC 60227(Part-6)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	17 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
276	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Heat shock test	IEC 60227 (Part-1)
277	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Heat shock test	IEC 60227 (Part-2)
278	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Heat shock test	IEC 60227 (Part-3)
279	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Heat shock test	IEC 60227 (Part-4)
280	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Heat shock test	IEC 60227 (Part-5)
281	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Insulation Resistance (Volume Resistivity)	IEC 60227 (Part-1)
282	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Insulation Resistance (Volume Resistivity)	IEC 60227 (Part-2)
283	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Insulation Resistance (Volume Resistivity)	IEC 60227 (Part-3)
284	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Insulation Resistance (Volume Resistivity)	IEC 60227 (Part-4)
285	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Insulation Resistance (Volume Resistivity)	IEC 60227 (Part-5)
286	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Insulation Resistance (Volume Resistivity)	IEC 60227(Part-6)
287	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Loss of Mass Test	IEC 60227 (Part-1)
288	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Loss of Mass Test	IEC 60227 (Part-2)
289	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Loss of Mass Test	IEC 60227 (Part-3)
290	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Loss of Mass Test	IEC 60227 (Part-4)
291	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Loss of Mass Test	IEC 60227 (Part-5)
292	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Loss of Mass Test	IEC 60227(Part-6)
293	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Mechanical Properties after immersion in mineral oil	IEC 60227 (Part-1)
294	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Mechanical Properties after immersion in mineral oil	IEC 60227 (Part-2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	18 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
295	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Pressure test at high temperature/ Hot deformation test	IEC 60227 (Part-1)
296	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Pressure test at high temperature/ Hot deformation test	IEC 60227 (Part-2)
297	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Pressure test at high temperature/ Hot deformation test	IEC 60227 (Part-3)
298	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Pressure test at high temperature/ Hot deformation test	IEC 60227 (Part-4)
299	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Pressure test at high temperature/ Hot deformation test	IEC 60227 (Part-5)
300	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Pressure test at high temperature/ Hot deformation test	IEC 60227(Part-6)
301	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Tensile strength and elongation at break	IEC 60227 (Part-1)
302	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Tensile strength and elongation at break	IEC 60227 (Part-2)
303	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Tensile strength and elongation at break	IEC 60227 (Part-3)
304	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Tensile strength and elongation at break	IEC 60227 (Part-5)
305	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Tensile strength and elongation at break	IEC 60227(Part-6)
306	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Thermal stability test	IEC 60227 (Part-1)
307	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Thermal stability test	IEC 60227 (Part-3)
308	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Thermal stability test	IEC 60227 (Part-4)
309	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Thermal stability test	IEC 60227 (Part-5)
310	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Thermal stability test	IEC 60227(Part-6)
311	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Thickness and overall diameter of Insulation	IEC 60227 (Part-3)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	19 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
312	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Thickness and overall diameter Ovality of Insulation and Sheath	IEC 60227 (Part-4)
313	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Thickness and overall diameter Ovality of Insulation and Sheath	IEC 60227 (Part-5)
314	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Thickness and overall diameter Ovality of Insulation and Sheath	IEC 60227(Part-6)
315	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Thickness of Insulation and Sheath	IEC 60227 (Part-1)
316	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Thickness of Insulation and Sheath	IEC 60227 (Part-2)
317	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Voltage test on Completed Cables	IEC 60227 (Part-1)
318	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Voltage test on Completed Cables	IEC 60227 (Part-2)
319	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Voltage test on Completed Cables	IEC 60227 (Part-3)
320	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Voltage test on Completed Cables	IEC 60227 (Part-4)
321	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Voltage test on Completed Cables	IEC 60227 (Part-5)
322	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Voltage test on Completed Cables	IEC 60227(Part-6)
323	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Voltage test on Cores	IEC 60227 (Part-1)
324	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Voltage test on Cores	IEC 60227 (Part-2)
325	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Voltage test on Cores	IEC 60227 (Part-3)
326	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Voltage test on Cores	IEC 60227 (Part-4)
327	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Voltage test on Cores	IEC 60227 (Part-5)
328	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Voltage test on Cores	IEC 60227(Part-6)
329	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables of Rated Voltage Up to and including 450/750V	Durability & Legibility of Marking	IEC 60227 (Part-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	20 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
330	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Additional ageing test	IS 694 (Clause -16.6)
331	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Ageing in air oven of Insulation and sheath	IS 694
332	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Annealing Test (For Copper)	IS 694
333	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Cold bend test of Insulation	IS 694
334	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Cold impact test of Insulation	IS 694
335	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Conductor Resistance Test	IS 694
336	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Determination of the amount of halogen acid gas evolved during combustion of polymeric materials taken from cables	IS 1554 (Part-2)
337	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Durability	IS 694(Clause -11.1)
338	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Flammability test	IS 694
339	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Heat shock test of Insulation and sheath	IS 694
340	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	High voltage test (water immersion)	IS 694
341	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Hot deformation test of Insulation and sheath	IS 694
342	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Insulation Resistance Test	IS 694



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	21 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
343	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Insulation Resistance Test	IS 694
344	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Legibility	IS 694 (Clause-11.2)
345	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Loss of Mass of Insulation and sheath	IS 694
346	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Measurement of temperature index	IS 1554 (Part-2)
347	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Overall Dimensions and Thickness of Insulation and Sheath	IS 694
348	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Packing and Marking	IS 694 (Clause- 15)
349	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Shrinkage test of Insulation and sheath	IS 694
350	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Smoke Density Test	IS 1554 (Part-2)
351	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Tensile strength and elongation at breakage of Insulation and sheath	IS 694
352	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Tensile Test (For Aluminum)	IS 694
353	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Thermal stability test of Insulation and sheath	IS 694
354	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible conductor for Rated Voltage Up to and including 450/750V	Wrapping Test (For Aluminum)	IS 694
355	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/Cords with Rigid conductor for Rated Voltage Up to and including 450/750V	High voltage test (Room temp.)	IS 694
356	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Test for halogen acid gas evolution	IS 7098(Part I)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	22 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
357	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Ageing in air oven of insulation and sheath	IS 7098(Part I)
358	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Annealing Test (For Copper)	IS 7098 (Part I)
359	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Cold bend test of sheath	IS 7098(Part I)
360	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Cold impact test sheath	IS 7098(Part I)
361	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Conductor Resistance Test	IS 7098 (Part I)
362	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Dimension of Armor	IS 7098 (Part I)
363	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Flame Retardant Test on Single cable (Swedish Chimney)	IS 7098(Part I)
364	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Flammability test	IS 7098(Part I)
365	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Heat shock test of Sheath	IS 7098(Part I)
366	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	High voltage test (Room temp.)	IS 7098(Part I)
367	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Hot deformation test of Sheath	IS 7098(Part I)
368	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Hot Set Test of Insulation	IS 7098(Part I)
369	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Identification	IS 7098(Part I)
370	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Insulation Resistance (Volume Resistivity)	IS 7098(Part I)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	23 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
371	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Loss of Mass of sheath	IS 7098(Part I)
372	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Mass of Zinc Coating	IS 7098 (Part I)
373	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Packing and Marking	IS 7098(Part I)
374	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Resistance, Conductance of Armor	IS 7098(Part I)
375	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Shrinkage test of insulation and sheath	IS 7098(Part I)
376	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Smoke density test	IS 7098(Part I)
377	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Temperature index	IS 7098(Part I)
378	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Tensile strength and Elongation at break for armor	IS 7098 (Part I)
379	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Tensile strength and elongation at break of insulation and sheath	IS 7098(Part I)
380	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Tensile Test (For Aluminum)	IS 7098 (Part I)
381	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Thermal stability test of Sheath	IS 7098(Part I)
382	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Thickness of Insulation and Sheath	IS 7098(Part I)
383	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Torsion (For Round Wire only)	IS 7098 (Part I)
384	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Uniformity of Zinc Coating	IS 7098 (Part I)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	24 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
385	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Water absorption test (gravimetric)	IS 7098(Part I)
386	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Winding Test for Galvanized Steel Strips for Armoring	IS 7098 (Part I)
387	ELECTRICAL- CABLES & WIRES	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables For Working Voltage Up to and Including 1100V	Wrapping Test (For Aluminum)	IS 7098 (Part I)
388	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Ageing in air oven of insulation and sheath	IS 9968 (Part-1)
389	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Annealing Test (For Copper)	IS 9968 (Part-1)
390	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Conductor Resistance Test	IS 9968 (Part-1)
391	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Flammability test	IS 9968 (Part-1)
392	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	High voltage test (water immersion)	IS 9968 (Part-1)
393	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Hot Set Test	IS 9968 (Part-1)
394	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Insulation Resistance Test	IS 9968 (Part-1)
395	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Oil Resistance Test	IS 9968 (Part-1)
396	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Per sulphate Test/ Tinning Test	IS 9968 (Part-1)
397	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Tear Resistance Test	IS 9968 (Part-1)
398	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Tensile strength and elongation at breakage of insulation and sheath	IS 9968 (Part-1)
399	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Tensile Test (For Aluminum)	IS 9968 (Part-1)
400	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Thickness of Insulation and Sheath and overall Diameter	IS 9968 (Part-1)
401	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Water Absorption Test (Electrical)	IS 9968 (Part-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	25 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
402	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-1 for working voltage up to and including 1100V	Wrapping Test (For Aluminum)	IS 9968 (Part-1)
403	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Ageing in air Oven of Insulation and Sheath	IS 9968 (Part-2)
404	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Annealing Test (For Copper)	IS 9968 (Part-2)
405	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Conductor Resistance Test	IS 9968 (Part-2)
406	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Dimension for Armouring Material	IS 9968 (Part-2)
407	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Flammability test	IS 9968 (Part-2):
408	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Heat shock test	IS 9968 (Part-2)
409	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	High voltage test (Four-Hour Test)	IS 9968 (Part-2)
410	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Hot deformation test	IS 9968 (Part-2)
411	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Hot Set Test	IS 9968 (Part-2)
412	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Insulation Resistance Test	IS 9968 (Part-2)
413	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Loss of Mass in air Oven	IS 9968 (Part-2):
414	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Mass of Zinc Coating	IS 9968 (Part-2)
415	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Oil Resistance Test	IS 9968 (Part-2)
416	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Per sulphate Test/ Tinning Test	IS 9968 (Part-2)
417	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Per sulphate Test/ Tinning Test	IS 9968 (Part-2) Re
418	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Shrinkage test	IS 9968 (Part-2)
419	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Tear Resistance Test	IS 9968 (Part-2)
420	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Tensile strength and Elongation at break for armor	IS 9968 (Part-2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	26 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
421	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Tensile strength and elongation at break of Insulation and Sheath	IS 9968 (Part-2)
422	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Tensile Test (For Aluminum)	IS 9968 (Part-2)
423	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Thermal stability test	IS 9968 (Part-2)
424	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Thickness of Insulation and Sheath	IS 9968 (Part-2)
425	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Torsion (For Round Wire only)	IS 9968 (Part-2)
426	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Uniformity of Zinc Coating	IS 9968 (Part-2)
427	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Winding/ Wrapping Test on Galvanized steel strip for Armouring	IS 9968 (Part-2)
428	ELECTRICAL- CABLES & WIRES	Specification for elastomer insulated cables part-2 for working voltage from 3.3KV up to and including 33KV	Wrapping Test (For Aluminum)	IS 9968 (Part-2)
429	ELECTRICAL- CABLES & WIRES	Specification for flexible cables for lifts and other flexible connections	Ageing in air Oven of Insulation and Sheath	IS 4289(Part-1)
430	ELECTRICAL- CABLES & WIRES	Specification for flexible cables for lifts and other flexible connections	Annealing Test (For Copper)	IS 4289(Part-1)
431	ELECTRICAL- CABLES & WIRES	Specification for flexible cables for lifts and other flexible connections	Conductor Resistance Test	IS 4289(Part-1)
432	ELECTRICAL- CABLES & WIRES	Specification for flexible cables for lifts and other flexible connections	Flammability test	IS 4289(Part-1)
433	ELECTRICAL- CABLES & WIRES	Specification for flexible cables for lifts and other flexible connections	High voltage test (water Immersion Test)	IS 4289(Part-1)
434	ELECTRICAL- CABLES & WIRES	Specification for flexible cables for lifts and other flexible connections	Insulation Resistance Test	IS 4289(Part-1)
435	ELECTRICAL- CABLES & WIRES	Specification for flexible cables for lifts and other flexible connections	Oil Resistance Test	IS 4289(Part-1)
436	ELECTRICAL- CABLES & WIRES	Specification for flexible cables for lifts and other flexible connections	Per sulphate Test/ Tinning Test	IS 4289(Part-1)
437	ELECTRICAL- CABLES & WIRES	Specification for flexible cables for lifts and other flexible connections	Static Flexibility Test	IS 4289(Part-1)
438	ELECTRICAL- CABLES & WIRES	Specification for flexible cables for lifts and other flexible connections	Tear Resistance Test	IS 4289(Part-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	27 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
439	ELECTRICAL- CABLES & WIRES	Specification for flexible cables for lifts and other flexible connections	Tensile strength and elongation at break of Insulation and Sheath	IS 4289(Part-1)
440	ELECTRICAL- CABLES & WIRES	Specification for flexible cables for lifts and other flexible connections	Thickness of Insulation and Sheath	IS 4289(Part-1)
441	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Winding Test for Galvanized Steel Strips for Armoring	IS 1554 (Part-2)
442	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Ageing in air oven of insulation and sheath	IS 1554 (Part-2)
443	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Annealing Test (For Copper)	IS 1554 (Part-2)
444	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Conductor Resistance Test	IS 1554 (Part-2)
445	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Determination of the amount of halogen acid gas evolved during combustion of polymeric materials taken from cables	IS 1554 (Part-2)
446	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Dimension of Armor	IS 1554 (Part-2)
447	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Flame Retardant Test on Single cable (Swedish Chimney)	IS 1554 (Part-2)
448	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Flammability test	IS 1554 (Part-2)
449	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Heat shock test of insulation and sheath	IS 1554 (Part-2)
450	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	High voltage test (Room temp.)	IS 1554 (Part-2)
451	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	High voltage test (water immersion)	IS 1554 (Part-2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	28 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
452	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Insulation Resistance	IS 1554 (Part-2)
453	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Loss of Mass of insulation and sheath	IS 1554 (Part-2)
454	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Mass of Zinc Coating	IS 1554 (Part-2)
455	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Measurement of temperature index	IS 1554 (Part-2)
456	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Resistance, Conductance of Armor	IS 1554 (Part-2)
457	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Shrinkage test of insulation and sheath	IS 1554 (Part-2)
458	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Smoke Density Test	IS 1554 (Part-2)
459	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Tensile strength and Elongation at break for armor	IS 1554 (Part-2)
460	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Tensile strength and elongation at breakage of insulation and sheath	IS 1554 (Part-2)
461	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Tensile Test (For Aluminum)	IS 1554 (Part-2)
462	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Thermal stability test of insulation and sheath	IS 1554 (Part-2)
463	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Thickness of Insulation and Sheath	IS 1554 (Part-2)
464	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Torsion (For Round Wire only)	IS 1554 (Part-2)
465	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Uniformity of Zinc Coating	IS 1554 (Part-2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	29 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
466	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Water absorption test (gravimetric)	IS 1554 (Part-2)
467	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage from 3.3kV Up to and Including 11kV	Wrapping Test (For Aluminum)	IS 1554 (Part-2)
468	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Ageing in air of insulation and sheath	IS 1554 (Part-I)
469	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Annealing Test (For Copper)	IS 1554 (Part-I)
470	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Cold bend test of insulation	IS 1554 (Part-I)
471	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Cold impact test of insulation	IS 1554 (Part-I)
472	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Conductor Resistance Test	IS 1554 (Part-I)
473	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Dimension of Armor	IS 1554 (Part-I)
474	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Flammability test	IS 1554 (Part-I)
475	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Heat shock test of insulation and sheath	IS 1554 (Part-I)
476	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	High voltage test (Room temp.)	IS 1554 (Part-I)
477	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Hot deformation test of insulation and sheath	IS 1554 (Part-I)
478	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Insulation Resistance Test	IS 1554 (Part-I)
479	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Loss of Mass of insulation and sheath	IS 1554 (Part-I)
480	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Mass of Zinc Coating	IS 1554 (Part-I)
481	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Resistance, Conductance of Armor	IS 1554 (Part-I)
482	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Shrinkage test of insulation and sheath	IS 1554 (Part-I)
483	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Tensile strength and Elongation at break for armor	IS 1554 (Part-I)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	30 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
484	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Tensile strength and elongation at break of insulation and sheath	IS 1554 (Part-I)
485	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Tensile Test (For Aluminum)	IS 1554 (Part-I)
486	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Thermal stability test of insulation and sheath	IS 1554 (Part-I)
487	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Thickness of Insulation and Sheath	IS 1554 (Part-I)
488	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Torsion (For Round Wire only)	IS 1554 (Part-I)
489	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Uniformity of Zinc Coating	IS 1554 (Part-I)
490	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Winding Test for Galvanized Steel Strips for Armoring	IS 1554 (Part-I)
491	ELECTRICAL- CABLES & WIRES	Specification for PVC Insulated (Heavy Duty) electric Cables. For Working Voltage Up to and Including 1100V	Wrapping Test (For Aluminum)	IS 1554 (Part-I)
492	ELECTRICAL- CABLES & WIRES	Tests on electric and optical fibre cables under fire conditions	Flame Retardant Test on Single cable (Swedish Chimney)	IEC 60332-1-2
493	ELECTRICAL- CABLES & WIRES	Tests on electric and optical fibre cables under fire conditions	Flame Retardant Test on Single cable	IEC 60332-1-1
494	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum conductor for overhead transmission purposes, Aluminum Stranded Conductors	Breaking load of Individual wires	IS 398 (Part 1)
495	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum conductor for overhead transmission purposes, Aluminum Stranded Conductors	Diameter of Aluminum wires	IS 398 (Part 1)
496	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum conductor for overhead transmission purposes, Aluminum Stranded Conductors	Freedom from defects	IS 398(Part 1)
497	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum conductor for overhead transmission purposes, Aluminum Stranded Conductors	Mass	IS 398 (Part 1)
498	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum conductor for overhead transmission purposes, Aluminum Stranded Conductors	Measurement of Lay Ratio/Direction of Lay	IS 398 (Part 1)
499	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum conductor for overhead transmission purposes, Aluminum Stranded Conductors	Resistance test of Aluminum wires	IS 398 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	31 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
500	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum conductor for overhead transmission purposes, Aluminum Stranded Conductors	Wrapping test for Aluminum wires	IS 398 (Part 1)
501	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors - Galvanized Steel - Reinforced for extra high voltage (400 kV & above)	Breaking Load test	IS 398 (Part 5)
502	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors - Galvanized Steel - Reinforced for extra high voltage (400 kV & above)	Diameter of individual Aluminum & Steel wires	IS 398 (Part 5)
503	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors - Galvanized Steel - Reinforced for extra high voltage (400 kV & above)	Ductility test (Torsion test and Elongation test)	IS 398 (Part 5)
504	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors - Galvanized Steel - Reinforced for extra high voltage (400 kV & above)	Galvanizing Test on steel wire (Mass of Zinc Coating)	IS 398 (Part 5)
505	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors - Galvanized Steel - Reinforced for extra high voltage (400 kV & above)	Galvanizing Test on steel wire (Uniformity of Zinc Coating)	IS 398 (Part 5)
506	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors - Galvanized Steel - Reinforced for extra high voltage (400 kV & above)	Lay ratio of each layer /Direction of Lay	IS 398 (Part 5)
507	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors - Galvanized Steel - Reinforced for extra high voltage (400 kV & above)	Resistance test of Aluminum wires	IS 398 (Part 5)
508	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors - Galvanized Steel - Reinforced for extra high voltage (400 kV & above)	Visual Examination	IS 398 (Part 5)
509	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors - Galvanized Steel - Reinforced for extra high voltage (400 kV & above)	Wrapping test for Aluminum /Steel wires	IS 398 (Part 5)
510	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Alloy Stranded Conductors) [Al. - Magnesium -Silicon Type]	Breaking load of Individual wiresand Stranded Conductor	IS 398 (Part 4)
511	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Alloy Stranded Conductors) [Al. - Magnesium -Silicon Type]	Diameter of Aluminum wires & Stranded Conductor	IS 398 (Part 4)
512	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Alloy Stranded Conductors) [Al. - Magnesium -Silicon Type]	Elongation of Individual wires	IS 398 (Part 4)
513	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Alloy Stranded Conductors) [Al. - Magnesium -Silicon Type]	Freedom from defects	IS 398 (Part 4)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	32 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
514	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Alloy Stranded Conductors) [Al. - Magnesium -Silicon Type]	Lay ratio/Direction of Lay	IS 398 (Part 4)
515	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Alloy Stranded Conductors) [Al. - Magnesium -Silicon Type]	Resistance test of Aluminum wires and Stranded Conductor	IS 398 (Part 4)
516	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Conductors, Aluminized Steel Reinforced)	Breaking load of Individual wires	IS 398 (Part 3)
517	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Conductors, Aluminized Steel Reinforced)	Diameter of Aluminum, Steel wires & Stranded Conductor	IS 398 (Part 3)
518	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Conductors, Aluminized Steel Reinforced)	Ductility test (Torsion test and Elongation test)	IS 398 (Part 3)
519	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Conductors, Aluminized Steel Reinforced)	Freedom from defects	IS 398 (Part 3)
520	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Conductors, Aluminized Steel Reinforced)	Lay ratio/Direction of Lay	IS 398 (Part 3)
521	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Conductors, Aluminized Steel Reinforced)	Resistance test of Aluminum wires	IS 398 (Part 3)
522	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for overhead transmission purpose (Aluminum Conductors, Aluminized Steel Reinforced)	Wrapping test for Aluminum/Aluminized Steel Wires	IS 398 (Part 3)
523	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes - Aluminum Conductors, galvanized steel-reinforced	Breaking load of Individual wires	IS 398 (Part 2)
524	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes - Aluminum Conductors, galvanized steel-reinforced	Diameter of Aluminum & Steel wires	IS 398 (Part 2)
525	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes - Aluminum Conductors, galvanized steel-reinforced	Ductility test (Torsion test and Elongation test)	IS 398 (Part 2)
526	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes - Aluminum Conductors, galvanized steel-reinforced	Galvanizing Test on steel wire (Mass of Zinc Coating)	IS 398 (Part 2)
527	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes - Aluminum Conductors, galvanized steel-reinforced	Lay ratio/Direction of Lay	IS 398 (Part 2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	33 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
528	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes - Aluminum Conductors, galvanized steel-reinforced	Resistance test of Aluminum wires	IS 398 (Part 2)
529	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes - Aluminum Conductors, galvanized steel-reinforced	Wrapping test for Aluminum wires	IS 398 (Part 2)
530	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes - Aluminum Conductors, galvanized steel-reinforced	Wrapping test for Steel wires	IS 398 (Part 2)
531	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductor	Adhesion of Zinc Coating	BS EN 50182
532	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductor	Cladding Thickness/Uniformity	BS EN 50182
533	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductors	Cladding Thickness/Uniformity	BS EN 50182
534	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductors	Ductility test (Torsion test and Elongation test) of Zinc coated Steel wires and Aluminum Clad steel wires	BS EN 50182
535	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductors	Elongation of Aluminum wires	BS EN 50182
536	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductors	Galvanizing Test on steel wire (Mass of Zinc Coating)	BS EN 50182
537	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductors	Galvanizing Test on steel wire (Uniformity of Zinc Coating)	BS EN 50182
538	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductors	Lay ratio of each layer /Direction of Lay	BS EN 50182
539	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductors	Mass per Unit Length	BS EN 50182
540	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductors	Resistivity of Aluminum wires/ Aluminum Clad Steel wires	BS EN 50182



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	34 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
541	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductors	Resistivity of Aluminum wires/ Aluminum Clad Steel wires	BS EN 50182
542	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductors	Tensile strength of Aluminum wires/Zinc coated Steel wires and Aluminum Clad steel wires	BS EN 50182
543	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductors	Welding	BS EN 50182
544	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Conductors for overhead lines Round Wires concentric lay stranded conductors	Wrapping test for Aluminum /Steel wires	BS EN 50182
545	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Copper rods and bars for Electrical Purposes	Dimension	IS 613
546	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Copper rods and bars for Electrical Purposes	Electrical Conductivity	IS 613
547	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Copper rods and bars for Electrical Purposes	Electrical Resistivity	IS 613
548	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Copper rods and bars for Electrical Purposes	Freedom of Defects	IS 613
549	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Copper rods and bars for Electrical Purposes	Tensile and Elongation at break	IS 613
550	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Copper Strip for Electrical Purposes	Electrical Conductivity	IS 1897
551	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Copper Strip for Electrical Purposes	Dimension	IS 1897
552	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Copper Strip for Electrical Purposes	Electrical Resistivity	IS 1897
553	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Copper Strip for Electrical Purposes	Freedom of Defects	IS 1897
554	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Copper Strip for Electrical Purposes	Tensile and Elongation at break	IS 1897



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	35 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
555	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Wrought Aluminum and Aluminum Alloy bars, Rods, Tubes, Sections, Plates and Sheets for Electrical applications	Dimension	IS 5082
556	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Wrought Aluminum and Aluminum Alloy bars, Rods, Tubes, Sections, Plates and Sheets for Electrical applications	Electrical Conductivity	IS 5082
557	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Wrought Aluminum and Aluminum Alloy bars, Rods, Tubes, Sections, Plates and Sheets for Electrical applications	Electrical Resistivity	IS 5082
558	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Wrought Aluminum and Aluminum Alloy bars, Rods, Tubes, Sections, Plates and Sheets for Electrical applications	Freedom of Defects	IS 5082
559	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Wrought Aluminum and Aluminum Alloy bars, Rods, Tubes, Sections, Plates and Sheets for Electrical applications	Tensile and Elongation at break	IS 5082
560	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Abnormal Operation	EN 60335(Part-1)
561	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Transient Over Voltages	IEC 60335(Part-1)
562	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Abnormal Operation	IEC 60335(Part-1)
563	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Clearance and creepage Distances	IEC 60335(Part-1)
564	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Construction	IEC 60335(Part-1)
565	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Heating/ temperature Rise	IEC 60335(Part-1)
566	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Input and Current	IEC 60335(Part-1)
567	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Internal Wiring	IEC 60335(Part-1)
568	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Leakage Current and Electric Strength	IEC 60335(Part-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	36 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
569	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Leakage Current and Electric Strength at Operating Temp.	IEC 60335(Part-1)
570	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Marking and Instruction Durability of Marking	IEC 60335(Part-1)
571	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Mechanical strength	IEC 60335(Part-1)
572	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Overload Protection of Transformer and associated Circuit	IEC 60335(Part-1)
573	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Protection against electric shock	IEC 60335(Part-1)
574	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Provision for Earthing	IEC 60335(Part-1)
575	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Resistance to heat and Fire	IEC 60335(Part-1)
576	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Resistance to Rusting	IEC 60335(Part-1)
577	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Screws and connections	IEC 60335(Part-1)
578	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Stability test & Mechanical hazards	IEC 60335(Part-1)
579	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Supply connection and external flexible cords	IEC 60335(Part-1)
580	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Clearance and creepage Distances	EN 60335(Part-1)
581	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Protection against electric shock	EN 60335(Part-1)
582	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Construction	EN 60335(Part-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	37 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
583	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Heating/ temperature Rise	EN 60335(Part-1)
584	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Input and Current	EN 60335(Part-1)
585	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Internal Wiring	EN 60335(Part-1)
586	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Leakage Current and Electric Strength	EN 60335(Part-1)
587	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Leakage Current and Electric Strength at Operating Temp.	EN 60335(Part-1)
588	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Marking and Instruction Durability of Marking	EN 60335(Part-1)
589	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Mechanical strength	EN 60335(Part-1)
590	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Moisture Resistance	EN 60335(Part-1)
591	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Overload Protection of Transformer and associated Circuit	EN 60335(Part-1)
592	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Provision for Earthing	EN 60335(Part-1)
593	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Resistance to heat and Fire	EN 60335(Part-1)
594	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Resistance to Rusting	EN 60335(Part-1)
595	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Screws and connections	EN 60335(Part-1)
596	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Stability test & Mechanical hazards	EN 60335(Part-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	38 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
597	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Supply connection and external flexible cords	EN 60335(Part-1)
598	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, ,Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Transient Over Voltages	EN 60335(Part-1)
599	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Overload Protection of Transformer and associated Circuit	IS 302(Part-1) (Clause No.17)
600	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Resistance to Rusting	IS 302(Part-1) (Clause No.31)
601	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Abnormal Operation	IS 302(Part-1) (Clause No.19)
602	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Clearance and creepage Distances	IS 302(Part-1) (Clause No.29)
603	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Construction	IS 302(Part-1) (Clause No.22)
604	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Heating/ temperature Rise	IS 302(Part-1) (Clause No.11)
605	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Input and Current	IS 302(Part-1) (Clause No.10)
606	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Internal Wiring	IS 302(Part-1) (Clause No.23)
607	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Leakage Current and Electric Strength	IS 302(Part-1) (Clause No.16)
608	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Leakage Current and Electric Strength at Operating Temp.	IS 302(Part-1) (Clause No.13)
609	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Marking and Instruction Durability of Marking	IS 302(Part-1) (ClauseNo.07)
610	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Mechanical strength	IS 302(Part-1) (Clause No.21)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	39 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
611	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Moisture Resistance	IS 302(Part-1) (Clause No.15)
612	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Protection against electric shock	IS 302(Part-1) (ClauseNo.8.1.1, 8.1.2, 8.1.3, 8.1.5 & 8.2)
613	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Provision for Earthing	IS 302(Part-1) (Clause No.27.5)
614	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Resistance to heat and Fire	IS 302(Part-1) (Clause No.30)
615	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Screws and connections	IS 302(Part-1) (Clause No.28.1)
616	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Stability test & Mechanical hazards	IS 302(Part-1) (Clause No.20)
617	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Supply connection and external flexible cords	IS 302(Part-1) (Clause No.25)
618	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Adaptor, Electric Radiator, Frying pans, Deep fat fryers, Paper Shredder Machine, Cooler, Incinerator Machine with Smoke Control Unit, Sanitary Napkins Vending Machines	Transient Over Voltages	IS 302(Part-1) (Clause No.14)
619	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Abnormal Operation	IS 302 (Part-2,Sec-15)
620	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Clearance, Creepage Distances and Solid Insulation	IS 302 (Part-2,Sec-15)
621	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Construction	IS 302 (Part-2,Sec-15)
622	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Heating	IS 302 (Part-2,Sec-15)
623	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Internal Wiring	IS 302 (Part-2,Sec-15)
624	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Leakage Current and Electric strength	IS 302 (Part-2,Sec-15)
625	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Leakage Current and Electric strength at Operating Temp.	IS 302 (Part-2,Sec-15)
626	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Leakage Current and Electric strength at Operating Temp.	IS 302 (Part-2,Sec-15)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	40 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
627	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Marking and Instruction	IS 302 (Part-2,Sec-15)
628	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Mechanical strength	IS 302 (Part-2,Sec-15)
629	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Moisture Resistance	IS 302 (Part-2,Sec-15)
630	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Overload Protection of Transformers and Associated Circuits	IS 302 (Part-2,Sec-15):
631	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Power Input and Current	IS 302 (Part-2,Sec-15)
632	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Protection against Access to live parts	IS 302 (Part-2,Sec-15)
633	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Provision for Earthing	IS 302 (Part-2,Sec-15)
634	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Resistance to heat and Fire	IS 302 (Part-2,Sec-15)
635	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Resistance to Rusting	IS 302 (Part-2,Sec-15)
636	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-15)
637	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Starting of Motor operated Appliances	IS 302 (Part-2,Sec-15)
638	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Supply connection and external flexible Cables &cords	IS 302 (Part-2,Sec-15)
639	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for Heating Liquids	Terminals for External conductors	IS 302 (Part-2,Sec-15)
640	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Abnormal Operation	IS 302 (Part-2,Sec-23)
641	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Clearance, Creepage Distances and Solid Insulation	IS 302 (Part-2,Sec-23)
642	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Construction	IS 302 (Part-2,Sec-23)
643	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Heating	IS 302 (Part-2,Sec-23)
644	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Internal Wiring	IS 302 (Part-2,Sec-23)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	41 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
645	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Leakage Current and Electric strength	IS 302 (Part-2,Sec-23)
646	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Leakage Current and Electric strength at Operating Temp.	IS 302 (Part-2,Sec-23)
647	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Marking and Instruction	IS 302 (Part-2,Sec-23)
648	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Mechanical strength	IS 302 (Part-2,Sec-23)
649	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Moisture Resistance	IS 302 (Part-2,Sec-23)
650	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Overload Protection of Transformers and Associated Circuits	IS 302 (Part-2,Sec-23)
651	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Power Input and Current	IS 302 (Part-2,Sec-23)
652	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Protection against Access to live parts	IS 302 (Part-2,Sec-23)
653	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Provision for Earthing	IS 302 (Part-2,Sec-23)
654	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Resistance to heat and Fire	IS 302 (Part-2,Sec-23)
655	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Resistance to Rusting	IS 302 (Part-2,Sec-23)
656	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Screws and connection	IS 302 (Part-2,Sec-23)
657	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-23)
658	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Supply connection and external flexible cords	IS 302 (Part-2,Sec-23)
659	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Terminals for External conductors	IS 302 (Part-2,Sec-23)
660	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances for skin or Hair care	Transient Over Voltages	IS 302 (Part-2,Sec-23)
661	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Abnormal Operation	IS 302 (Part-2,Sec-26)
662	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Clearance, Creepage Distances and Solid Insulation	IS 302 (Part-2,Sec-26)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	42 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
663	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Construction	IS 302 (Part-2,Sec-26):
664	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Heating	IS 302 (Part-2,Sec-26)
665	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Internal Wiring	IS 302 (Part-2,Sec-26)
666	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Leakage Current and Electric strength	IS 302 (Part-2,Sec-26)
667	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Leakage Current and Electric strength at Operating Temp.	IS 302 (Part-2,Sec-26)
668	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Marking and Instruction	IS 302 (Part-2,Sec-26)
669	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Mechanical strength	IS 302 (Part-2,Sec-26)
670	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Moisture Resistance	IS 302 (Part-2,Sec-26):
671	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Overload Protection of Transformers and Associated Circuits	IS 302 (Part-2,Sec-26)
672	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Power Input and Current	IS 302 (Part-2,Sec-26)
673	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Provision for Earthing	IS 302 (Part-2,Sec-26)
674	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Resistance to heat and Fire	IS 302 (Part-2,Sec-26)
675	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Resistance to Rusting	IS 302 (Part-2,Sec-26)
676	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Screws and connection	IS 302 (Part-2,Sec-26)
677	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-26)
678	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Supply connection and external flexible cords	IS 302 (Part-2,Sec-26)
679	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Terminals for External conductors	IS 302 (Part-2,Sec-26)
680	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Transient Over Voltages	IS 302 (Part-2,Sec-26)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	43 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
681	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Abnormal Operation	IS 302 (Part-2,Sec-75)
682	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Clearances, Creepage Distances and Solid Insulation	IS 302 (Part-2,Sec-75)
683	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Construction	IS 302 (Part-2,Sec-75)
684	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Heating Test	IS 302 (Part-2,Sec-75)
685	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Internal Wiring	IS 302 (Part-2,Sec-75)
686	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Leakage Current and Electric Strength	IS 302 (Part-2,Sec-75)
687	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Leakage Current and Electric Strength at Operating Temp.	IS 302 (Part-2,Sec-75)
688	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Marking and Instruction	IS 302 (Part-2,Sec-75)
689	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Mechanical strength	IS 302 (Part-2,Sec-75)
690	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Moisture Resistance	IS 302 (Part-2,Sec-75)
691	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Overload Protection of Transformers and Associated Circuits	IS 302 (Part-2,Sec-75)
692	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Power Input and Current	IS 302 (Part-2,Sec-75)
693	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Protection against Access to live parts	IS 302 (Part-2,Sec-75)
694	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Provision for Earthing	IS 302 (Part-2,Sec-75)
695	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Resistance to heat Fire	IS 302 (Part-2,Sec-75)
696	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Resistance to Rusting	IS 302 (Part-2,Sec-75)
697	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Screws and connection	IS 302 (Part-2,Sec-75)
698	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-75)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	44 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
699	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Supply connection and external flexible cords	IS 302 (Part-2,Sec-75)
700	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Terminals for External conductors	IS 302 (Part-2,Sec-75)
701	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Dispensing Appliances and vending Machines	Transient Over Voltages	IS 302 (Part-2,Sec-75)
702	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Abnormal Operation	IS 302 (Part-2,Sec-76)
703	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Construction	IS 302 (Part-2,Sec-76)
704	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Creepage Distancesand Clearances	IS 302 (Part-2,Sec-76)
705	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Electrical Insulation and Leakage Current at Operating Temp.	IS 302 (Part-2,Sec-76)
706	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Endurance Test	IS 302 (Part-2,Sec-76)
707	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Input	IS 302 (Part-2,Sec-76)
708	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Insulation Resistance and Electric Strength (After Humidity Treatment)	IS 302 (Part-2,Sec-76)
709	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Internal Wiring	IS 302 (Part-2,Sec-76):
710	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Marking and Instructions	IS 302 (Part-2,Sec-76)
711	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Mechanical strength	IS 302 (Part-2,Sec-76)
712	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Moisture Resistance	IS 302 (Part-2,Sec-76)
713	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Protection against Electric shock	IS 302 (Part-2,Sec-76)
714	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Resistance to heat Fire and Tracking	IS 302 (Part-2,Sec-76)
715	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Resistance to Rusting	IS 302 (Part-2,Sec-76):
716	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Screws and connection	IS 302 (Part-2,Sec-76)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	45 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
717	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-76)
718	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Supply connection and external flexible cable and cords	IS 302 (Part-2,Sec-76)
719	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Temperature Rise Test	IS 302 (Part-2,Sec-76)
720	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Terminals for External conductors	IS 302 (Part-2,Sec-76)
721	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Fence Energizer	Transient Over Voltages	IS 302 (Part-2,Sec-76)
722	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-201)
723	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Abnormal Operation	IS 302 (Part-2,Sec-201)
724	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Clearances, Creepage Distances and Solid Insulation	IS 302 (Part-2,Sec-201)
725	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Construction	IS 302 (Part-2,Sec-201)
726	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Heating Test	IS 302 (Part-2,Sec-201)
727	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Internal Wiring	IS 302 (Part-2,Sec-201)
728	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Leakage Current and Electric Strength	IS 302 (Part-2,Sec-201)
729	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Leakage Current and Electric Strength at Operating Temp.	IS 302 (Part-2,Sec-201)
730	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Marking and Instruction	IS 302 (Part-2,Sec-201)
731	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Mechanical strength	IS 302 (Part-2,Sec-201)
732	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Moisture Resistance	IS 302 (Part-2,Sec-201)
733	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Overload Protection of Transformers and Associated Circuits	IS 302 (Part-2,Sec-201)
734	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Power Input and Current	IS 302 (Part-2,Sec-201)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	46 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
735	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Protection against Access to live parts	IS 302 (Part-2,Sec-201)
736	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Provision for Earthing	IS 302 (Part-2,Sec-201)
737	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Resistance to heat Fire and tracking	IS 302 (Part-2,Sec-201)
738	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Resistance to Rusting	IS 302 (Part-2,Sec-201)
739	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Screws and connection	IS 302 (Part-2,Sec-201)
740	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Supply connection and external flexible cords	IS 302 (Part-2,Sec-201)
741	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Terminals for External conductors	IS 302 (Part-2,Sec-201)
742	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heaters	Transient Over Voltages	IS 302 (Part-2,Sec-201)
743	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Abnormal Operation	IS 302 (Part-2,Sec-14)
744	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Construction	IS 302 (Part-2,Sec-14)
745	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Creepage Distances, Clearance	IS 302 (Part-2,Sec-14):
746	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Heating	IS 302 (Part-2,Sec-14)
747	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Insulation Resistance and Electric Strength (After Humidity Treatment)	IS 302 (Part-2,Sec-14)
748	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Internal Wiring	IS 302 (Part-2,Sec-14)
749	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Leakage Current and Electric strength at Operating Temp.	IS 302 (Part-2,Sec-14)
750	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Marking and Instruction	IS 302 (Part-2,Sec-14)
751	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Mechanical strength	IS 302 (Part-2,Sec-14)
752	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Moisture Resistance	IS 302 (Part-2,Sec-14)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	47 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
753	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Overload Protection	IS 302 (Part-2,Sec-14)
754	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Power Input and Current	IS 302 (Part-2,Sec-14)
755	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Protection against Access to Live Parts	IS 302 (Part-2,Sec-14)
756	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Provision for Earthing	IS 302 (Part-2,Sec-14)
757	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Resistance to heat Fire and Tracking	IS 302 (Part-2,Sec-14)
758	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Resistance to Rusting	IS 302 (Part-2,Sec-14)
759	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Screws and connection	IS 302 (Part-2,Sec-14)
760	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-14)
761	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Supply connection and external flexible Cables &cords	IS 302 (Part-2,Sec-14)
762	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Kitchen Machines	Terminals for External conductors	IS 302 (Part-2,Sec-14)
763	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Abnormal Operation	IS 302 (Part-2,Sec-46)
764	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Clearance, Creepage Distances and Solid Insulation	IS 302 (Part-2,Sec-46)
765	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Construction	IS 302 (Part-2,Sec-46)
766	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Internal Wiring	IS 302 (Part-2,Sec-46)
767	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Leakage Current and Electric strength	IS 302 (Part-2,Sec-46)
768	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Leakage Current and Electric strength at Operating Temp.	IS 302 (Part-2,Sec-46)
769	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Marking and Instruction	IS 302 (Part-2,Sec-46)
770	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Mechanical strength	IS 302 (Part-2,Sec-46)
771	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Moisture Resistance	IS 302 (Part-2,Sec-46)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	48 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
772	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Operation Under Overload conditions of Appliances with Heating Elements	IS 302 (Part-2,Sec-46)
773	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Overload Protection of Transformers and Associated Circuits	IS 302 (Part-2,Sec-46)
774	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Power Input and Current	IS 302 (Part-2,Sec-46)
775	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Protection against Access to live parts	IS 302 (Part-2,Sec-46)
776	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Provision for Earthing	IS 302 (Part-2,Sec-46)
777	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Resistance to heat and Fire	IS 302 (Part-2,Sec-46)
778	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Resistance to Rusting	IS 302 (Part-2,Sec-46)
779	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Screws and connection	IS 302 (Part-2,Sec-46)
780	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-46)
781	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Starting of Motor Operating Appliances	IS 302 (Part-2,Sec-46)
782	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Supply connection and external flexible cords	IS 302 (Part-2,Sec-46)
783	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Temperature Rise	IS 302 (Part-2,Sec-46)
784	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Terminals for External conductors	IS 302 (Part-2,Sec-46)
785	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Steam Cookers	Transient Over Voltages	IS 302 (Part-2,Sec-46)
786	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Abnormal Operation	IS 302 (Part-2, Section-202)
787	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Construction	IS 302(Part-2,Sec-202)
788	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Creepage Distancesand Clearances	IS 302(Part-2,Sec-202)
789	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Electrical insulation and Leakage Current at Operating Temp.	IS 302(Part-2,Sec-202)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	49 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
790	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Heating Test	IS 302(Part-2,Sec-202)
791	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Input and Current	IS 302 (Part-2,Sec-202)
792	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Insulation Resistance and Electric Strength (After humidity Treatment)	IS 302(Part-2,Sec-202)
793	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Internal Wiring	IS 302(Part-2,Sec-202)
794	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Marking	IS 302 (Part-2,Sec-202)
795	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Mechanical strength	IS 302(Part-2,Sec-202)
796	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Moisture Resistance	IS 302(Part-2,Sec-202)
797	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Operation Under Overload conditions of Appliances with Heating Elements	IS 302(Part-2,Sec-202)
798	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Protection against Electric shock	IS 302 (Part-2,Sec-202)
799	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Provision for Earthing	IS 302(Part-2,Sec-202)
800	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Resistance to heat Fire and tracking	IS 302(Part-2,Sec-202)
801	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Resistance to Rusting	IS 302(Part-2,Sec-202)
802	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Screws and connection	IS 302(Part-2,Sec-202)
803	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Stability test & Mechanical hazards	IS 302(Part-2,Sec-202)
804	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Supply connection and external flexible cables and cords	IS 302(Part-2,Sec-202)
805	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Terminals for External conductors	IS 302(Part-2,Sec-202)
806	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Abnormal Operation	IS 302(Part-2,Sec-8)
807	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Clearance and creepage Distances	IS 302(Part-2,Sec-8)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	50 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
808	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Construction	IS 302(Part-2,Sec-8)
809	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Electrical Insulation and Leakage Current at Operating Temp.	IS 302(Part-2,Sec-8)
810	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Input and Current	IS 302(Part-2,Sec-8)
811	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Insulation Resistance and Electric Strength(After Humidity Treatment)	IS 302(Part-2,Sec-8)
812	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Internal Wiring	IS 302(Part-2,Sec-8)
813	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Marking	IS 302(Part-2,Sec-8)
814	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Mechanical strength	IS 302(Part-2,Sec-8)
815	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Moisture Resistance	IS 302(Part-2,Sec-8)
816	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Overload Protection	IS 302(Part-2,Sec-8)
817	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Protection against electric shock	IS 302(Part-2,Sec-8)
818	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Provision for Earthing	IS 302(Part-2,Sec-8)
819	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Resistance to heat and Fire	IS 302(Part-2,Sec-8)
820	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Resistance to Rusting	IS 302(Part-2,Sec-8)
821	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Screws and connection	IS 302(Part-2,Sec-8)
822	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Stability test & Mechanical hazards	IS 302(Part-2,Sec-8)
823	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Starting of Motor operated Appliances	IS 302(Part-2,Sec-8)
824	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Supply connection and external flexible Cables & cords	IS 302(Part-2,Sec-8)
825	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Temperature Rise	IS 302(Part-2,Sec-8)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	51 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
826	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Shavers, Hair Clipper and Similar Appliances	Terminals for External conductors	IS 302(Part-2,Sec-8)
827	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Abnormal Operation	IS 302 (Part-2,Sec-59)
828	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Construction	IS 302 (Part-2,Sec-59)
829	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Creepage Distances Clearances and distance through Insulation	IS 302 (Part-2,Sec-59):
830	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Electrical Insulation and Leakage Current at Operating Temp.	IS 302 (Part-2,Sec-59)
831	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Insulation Resistance and Electric strength (After Humidity treatment)	IS 302 (Part-2,Sec-59)
832	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Internal Wiring	IS 302 (Part-2,Sec-59)
833	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Marking	IS 302 (Part-2,Sec-59)
834	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Mechanical strength	IS 302 (Part-2,Sec-59)
835	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Moisture Resistance	IS 302 (Part-2,Sec-59)
836	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Operation Under Load Conditions of appliances with heating elements	IS 302 (Part-2,Sec-59)
837	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Overload Protection	IS 302 (Part-2,Sec-59)
838	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Power Input and Current	IS 302 (Part-2,Sec-59)
839	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Protection against Access to live parts	IS 302 (Part-2,Sec-59)
840	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Provision for Earthing	IS 302 (Part-2,Sec-59):
841	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Resistance to heat Fire and Tracking	IS 302 (Part-2,Sec-59)
842	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Resistance to Rusting	IS 302 (Part-2,Sec-59)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	52 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
843	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Screws and connection	IS 302 (Part-2,Sec-59)
844	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-59)
845	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Starting of Motor operated Appliances	IS 302 (Part-2,Sec-59)
846	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Supply connection and external flexible cables and cords	IS 302 (Part-2,Sec-59)
847	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Temperature Rise Test	IS 302 (Part-2,Sec-59)
848	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killer	Terminals for External conductors	IS 302 (Part-2,Sec-59)
849	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Abnormal Operation	IS 302(Part-2,Sec-209)
850	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Construction	IS 302(Part-2,Sec-209)
851	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Creepage Distances Clearances and distance through Insulation	IS 302(Part-2,Sec-209)
852	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Electrical Insulation and Leakage Current at Operating Temp.	IS 302(Part-2,Sec-209)
853	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Input and Current	IS 302(Part-2,Sec-209)
854	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Insulation Resistance and Electric strength (After Humidity treatment)	IS 302(Part-2,Sec-209)
855	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Internal Wiring	Marking
856	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Mechanical strength	IS 302(Part-2,Sec-209)
857	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Moisture Resistance	IS 302(Part-2,Sec-209)
858	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Operation Under Load Conditions of appliances with heating elements	IS 302(Part-2,Sec-209)
859	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Overload Protection	IS 302(Part-2,Sec-209)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	53 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
860	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Protection against Electric Shock	IS 302(Part-2,Sec-209)
861	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Provision for Earthing	IS 302(Part-2,Sec-209)
862	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Provision for Earthing	IS 302(Part-2,Sec-209)
863	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Resistance to heat Fire and Tracking	IS 302(Part-2,Sec-209)
864	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Resistance to Rusting	IS 302(Part-2,Sec-209)
865	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Screws and connection	IS 302(Part-2,Sec-209)
866	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Stability test & Mechanical hazards	IS 302(Part-2,Sec-209)
867	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Starting of Motor operated Appliances	IS 302(Part-2,Sec-209)
868	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Supply connection and external flexible cables and cords	IS 302(Part-2,Sec-209)
869	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Temperature Rise Test	IS 302(Part-2,Sec-209)
870	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machines	Terminals for External conductors	IS 302(Part-2,Sec-209)
871	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Abnormal Operation	IS 302 (Part-2,Sec-31)
872	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Clearance, Creepage Distances and Solid Insulation	IS 302 (Part-2,Sec-31)
873	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Construction	IS 302 (Part-2,Sec-31)
874	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Heating	IS 302 (Part-2,Sec-31)
875	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Internal Wiring	IS 302 (Part-2,Sec-31)
876	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Leakage Current and Electric strength	IS 302 (Part-2,Sec-31)
877	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Leakage Current and Electric strength at Operating Temp.	IS 302 (Part-2,Sec-31):



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	54 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
878	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Marking and Instruction	IS 302 (Part-2,Sec-31)
879	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Mechanical strength	IS 302 (Part-2,Sec-31)
880	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Moisture Resistance	IS 302 (Part-2,Sec-31)
881	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Overload Protection of Transformers and Associated Circuits	IS 302 (Part-2,Sec-31)
882	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Power Input and Current	IS 302 (Part-2,Sec-31)
883	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Protection against Access to live parts	IS 302 (Part-2,Sec-31)
884	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Provision for Earthing	IS 302 (Part-2,Sec-31)
885	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Resistance to heat and Fire	IS 302 (Part-2,Sec-31)
886	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Resistance to Rusting	IS 302 (Part-2,Sec-31)
887	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Screws and connection	IS 302 (Part-2,Sec-31)
888	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-31)
889	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Supply connection and external flexible cords	IS 302 (Part-2,Sec-31)
890	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Terminals for External conductors	IS 302 (Part-2,Sec-31)
891	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Range Hoods	Transient Over Voltages	IS 302 (Part-2,Sec-31)
892	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Abnormal Operation	IS 302 (Part-2,Sec-30)
893	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Clearance, Creepage Distances and Solid Insulation	IS 302 (Part-2,Sec-30)
894	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Construction	IS 302 (Part-2,Sec-30)
895	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Heating	IS 302 (Part-2,Sec-30)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	55 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
896	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Internal Wiring	IS 302 (Part-2,Sec-30)
897	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Leakage Current and Electric strength	IS 302 (Part-2,Sec-30)
898	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Leakage Current and Electric strength at Operating Temp.	IS 302 (Part-2,Sec-30)
899	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Marking and Instruction	IS 302 (Part-2,Sec-30):
900	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Mechanical strength	IS 302 (Part-2,Sec-30):
901	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Moisture Resistance	IS 302 (Part-2,Sec-30)
902	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Overload Protection of Transformers and Associated Circuits	IS 302 (Part-2,Sec-30)
903	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Power Input and Current	IS 302 (Part-2,Sec-30)
904	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Protection against Access to live parts	IS 302 (Part-2,Sec-30)
905	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Provision for Earthing	IS 302 (Part-2,Sec-30)
906	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Resistance to heat and Fire	IS 302 (Part-2,Sec-30)
907	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Resistance to Rusting	IS 302 (Part-2,Sec-30)
908	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Screws and connection	IS 302 (Part-2,Sec-30)
909	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-30)
910	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Supply connection and external flexible cords	IS 302 (Part-2,Sec-30)
911	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Terminals for External conductors	IS 302 (Part-2,Sec-30)
912	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Room Heaters	Transient Over Voltages	IS 302 (Part-2,Sec-30)
913	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Abnormal Operation	IS 302 (Part-2,Sec-6)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	56 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
914	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Clearance, Creepage Distances and Solid Insulation	IS 302 (Part-2,Sec-6)
915	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Construction	IS 302 (Part-2,Sec-6)
916	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Endurance Test	IS 302 (Part-2,Sec-6)
917	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Heating	IS 302 (Part-2,Sec-6)
918	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Internal Wiring	IS 302 (Part-2,Sec-6)
919	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Leakage Current and Electric strength	IS 302 (Part-2,Sec-6)
920	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Leakage Current and Electric strength at Operating Temp	IS 302 (Part-2,Sec-6)
921	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Marking and Instruction	IS 302 (Part-2,Sec-6)
922	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Mechanical strength	IS 302 (Part-2,Sec-6)
923	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Moisture Resistance	IS 302 (Part-2,Sec-6)
924	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Overload Protection of Transformers and Associated Circuits	IS 302 (Part-2,Sec-6)
925	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Power Input and Current	IS 302 (Part-2,Sec-6)
926	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Protection against Access to live parts	IS 302 (Part-2,Sec-6)
927	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Provision for Earthing	IS 302 (Part-2,Sec-6)
928	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Resistance to heat and Fire	IS 302 (Part-2,Sec-6)
929	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Resistance to Rusting	IS 302 (Part-2,Sec-6)
930	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Screws and connection	IS 302 (Part-2,Sec-6)
931	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Screws and connections	EN 60335(Part-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	57 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
932	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-6)
933	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Supply connection and external flexible cords	IS 302 (Part-2,Sec-6)
934	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Terminals for External conductors	IS 302 (Part-2,Sec-6)
935	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Cooking Ranges, Hobs, Ovens and Similar Appliances	Transient Over Voltages	IS 302 (Part-2,Sec-6)
936	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Abnormal Operation	IS 302 (Part-2,Sec-25)
937	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Clearance, Creepage Distances and Solid Insulation	IS 302 (Part-2,Sec-25)
938	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Construction	IS 302 (Part-2,Sec-25)
939	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Endurance Test	IS 302 (Part-2,Sec-25)
940	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Heating	IS 302 (Part-2,Sec-25)
941	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Internal Wiring	IS 302 (Part-2,Sec-25)
942	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Leakage Current and Electric strength	IS 302 (Part-2,Sec-25)
943	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Leakage Current and Electric strength at Operating Temp	IS 302 (Part-2,Sec-25)
944	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Marking and Instruction	IS 302 (Part-2,Sec-25)
945	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Mechanical strength	IS 302 (Part-2,Sec-25)
946	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Moisture Resistance	IS 302 (Part-2,Sec-25)
947	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Overload Protection of Transformers and Associated Circuits	IS 302 (Part-2,Sec-25)
948	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Power Input and Current	IS 302 (Part-2,Sec-25)
949	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Protection against Access to live parts	IS 302 (Part-2,Sec-25)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	58 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
950	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Provision for Earthing	IS 302 (Part-2,Sec-25)
951	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Resistance to heat and Fire	IS 302 (Part-2,Sec-25)
952	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Resistance to Rusting	IS 302 (Part-2,Sec-25)
953	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Screws and connection	IS 302 (Part-2,Sec-25)
954	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Stability test & Mechanical hazards	IS 302 (Part-2,Sec-25)
955	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Supply connection and external flexible cords	IS 302 (Part-2,Sec-25)
956	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Terminals for External conductors	IS 302 (Part-2,Sec-25)
957	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Safety of household and similar electrical appliances Microwave ovens, including combination microwave ovens	Transient Over Voltages	IS 302 (Part-2,Sec-25)
958	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Abnormal Operation	IS 302 (Part-2,Sec-21,Clause no-19)
959	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Classifications	IS 2082(Clause 6)
960	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Clearance and creepage Distances	IS 302 (Part-2,Sec-21,Clause no-29)
961	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Construction	IS 302 (Part-2,Sec-21,Clause no-22)
962	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Heating	IS 302 (Part-2,Sec-21,Clause no-11)
963	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Internal Wiring	IS 302 (Part-2,Sec-21,Clause no-23)
964	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Leakage Current and Electric Strength	IS 302 (Part-2,Sec-21,Clause no-16)
965	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Leakage Current and Electric Strength at Operating Temperature	IS 302 (Part-2,Sec-21,Clause no-13)
966	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Marking and Instructions	IS 302 (Part-2,Sec-21,Clause no-07)
967	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Mechanical strength	IS 302 (Part-2,Sec-21,Clause no-21)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	59 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
968	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Moisture Resistance	IS 302 (Part-2,Sec-21,Clause no-15)
969	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Overload Protection of Transformers and Associated circuits	IS 302 (Part-2,Sec-21,Clause no-17)
970	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Power Input and Current	IS 302 (Part-2,Sec-21,Clause no-10)
971	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Protection against Access to live Parts	IS 302 (Part-2,Sec-21,Clause no-08)
972	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Provision for Earthing	IS 302 (Part-2,Sec-21,Clause no-27)
973	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Resistance to heat and Fire	IS 302 (Part-2,Sec-21,Clause no-30)
974	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Resistance to Rusting	IS 302 (Part-2,Sec-21,Clause no-31)
975	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Screws and connection	IS 302 (Part-2,Sec-21,Clause no-28)
976	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Stability & Mechanical hazards	IS 302 (Part-2,Sec-21,Clause no-20)
977	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Supply connection and external flexible cords	IS 302 (Part-2,Sec-21,Clause no-25)
978	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Terminals for External conductors	IS 302 (Part-2,Sec-21,Clause no-26)
979	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heater	Transient over voltage	IS 302 (Part-2,Sec-21,Clause no-14)
980	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heaters-Specification	Cyclic temperature variation	IS 2082(Clause 20)
981	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heaters-Specification	Deviation from Dial calibration	IS 2082(Clause 19)
982	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heaters-Specification	Finish	IS 2082(Clause 21)
983	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heaters-Specification	Measurements of Stored Water Temperature	IS 2082(Clause 11)
984	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heaters-Specification	Mixing Factor	IS 2082(Clause 18)
985	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heaters-Specification	Mounting of the water heater	IS 2082(Clause 10)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	60 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
986	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heaters-Specification	Reheating Time	IS 2082(Clause 17)
987	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heaters-Specification	Standing loss per 24 hours	IS 2082(Clause 15)
988	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heaters-Specification	Thermostat Setting	IS 2082(Clause 12)
989	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type Electric Water Heaters-Specification	Verification of the rated capacity	IS 2082(Clause 14)
990	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Abnormal Operation	IS 302(Part-2,Sec-9)
991	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Clearance and Creepage Distances and Solid Insulation	IS 302(Part-2,Sec-9)
992	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Internal Wiring	IS 302(Part-2,Sec-9)
993	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Leakage current and Electric strength	IS 302(Part-2,Sec-9)
994	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Leakage Current and Electric strength at Operating Temp.	IS 302(Part-2,Sec-9)
995	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Marking and Instruction	IS 302(Part-2,Sec-9)
996	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Mechanical strength	IS 302(Part-2,Sec-9)
997	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Moisture Resistance	IS 302(Part-2,Sec-9)
998	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Overload Protection of Transformers and Associated circuits	IS 302(Part-2,Sec-9)
999	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Power Input and Current	IS 302(Part-2,Sec-9)
1000	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Protection against electric shock	IS 302(Part-2,Sec-9)
1001	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Provision for Earthing	IS 302(Part-2,Sec-9)
1002	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Resistance to heat and Fire	IS 302(Part-2,Sec-9)
1003	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Resistance to Rusting	IS 302(Part-2,Sec-9)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	61 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1004	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Screws and connection	IS 302(Part-2,Sec-9):
1005	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Stability test & Mechanical hazards	IS 302(Part-2,Sec-9)
1006	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Supply connection and external flexible cords	IS 302(Part-2,Sec-9)
1007	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Temperature Rise	IS 302(Part-2,Sec-9)
1008	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Terminals for External conductors	IS 302(Part-2,Sec-9)
1009	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Toasters, Grills, Roasters and Similar Appliances	Transient Over Voltages	IS 302(Part-2,Sec-9)
1010	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Abnormal Operation	IS 302(Part-2,Sec-11)
1011	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Construction	IS 302(Part-2,Sec-11)
1012	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Creepage Distances, Clearance and distances through Insulation	IS 302(Part-2,Sec-11)
1013	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Electrical Insulation and Leakage Current at Operating Temp.	IS 302(Part-2,Sec-11)
1014	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Heating	IS 302(Part-2,Sec-11)
1015	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Input and Current	IS 302(Part-2,Sec-11)
1016	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Insulation Resistance and Electric Strength	IS 302(Part-2,Sec-11)
1017	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Internal Wiring	IS 302(Part-2,Sec-11)
1018	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Marking	IS 302(Part-2,Sec-11)
1019	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Mechanical strength	IS 302(Part-2,Sec-11)
1020	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Moisture Resistance	IS 302(Part-2,Sec-11)
1021	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Overload Protection	IS 302(Part-2,Sec-11)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	62 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1022	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Protection against electric shock	IS 302(Part-2,Sec-11)
1023	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Provision for Earthing	IS 302(Part-2,Sec-11)
1024	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Resistance to heat Fire and Tracking	IS 302(Part-2,Sec-11)
1025	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Resistance to Rusting	IS 302(Part-2,Sec-11)
1026	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Screws and connection	IS 302(Part-2,Sec-11)
1027	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Stability test & Mechanical hazards	IS 302(Part-2,Sec-11)
1028	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Starting of Motor operated Appliances	IS 302(Part-2,Sec-11)
1029	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Supply connection and external flexible Cables &cords	IS 302(Part-2,Sec-11)
1030	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Tumbler Dryers	Terminals for External conductors	IS 302(Part-2,Sec-11)
1031	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Abnormal Operation	IS 302(Part-2,Sec-2)
1032	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Clearance and creepage Distances	IS 302(Part-2,Sec-2)
1033	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Construction	IS 302(Part-2,Sec-2)
1034	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Input	IS 302(Part-2,Sec-2)
1035	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Insulation Resistance and Electric Strength (After Humidity Treatment)	IS 302(Part-2,Sec-2)
1036	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Internal Wiring	IS 302(Part-2,Sec-2):
1037	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Leakage Current and Electric Strength at Operating Temp.	IS 302(Part-2,Sec-2)
1038	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Marking	IS 302(Part-2,Sec-2)
1039	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Mechanical strength	IS 302(Part-2,Sec-2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	63 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1040	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Moisture Resistance	IS 302(Part-2,Sec-2)
1041	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Overload Protection	IS 302(Part-2,Sec-2)
1042	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Protection against electric shock	IS 302(Part-2,Sec-2)
1043	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Provision for Earthing	IS 302(Part-2,Sec-2)
1044	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Resistance to heat and Fire	IS 302(Part-2,Sec-2)
1045	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Resistance to Rusting	IS 302(Part-2,Sec-2)
1046	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Screws and connections	IS 302(Part-2,Sec-2)
1047	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Stability test & Mechanical hazard	IS 302(Part-2,Sec-2)
1048	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Starting of Motor Operating Appliances	IS 302(Part-2,Sec-2)
1049	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Supply connection and external flexible cords	IS 302(Part-2,Sec-2)
1050	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Temperature Rise	IS 302(Part-2,Sec-2)
1051	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Vacuum Cleaners and Water Suction Cleaning Appliances	Terminals for External conductors	IS 302(Part-2,Sec-2)
1052	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Construction	IS 302(Part-2,Sec-12)
1053	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Creepage Distances, Clearance	IS 302(Part-2,Sec-12)
1054	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Electrical Insulation and Leakage Current at Operating Temp.	IS 302(Part-2,Sec-12)
1055	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Input and Current	IS 302(Part-2,Sec-12)
1056	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Insulation Resistance and Electric Strength (After Humidity Treatment)	IS 302(Part-2,Sec-12)
1057	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Internal Wiring	IS 302(Part-2,Sec-12)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	64 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1058	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Marking	IS 302(Part-2,Sec-12)
1059	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Mechanical strength	IS 302(Part-2,Sec-12)
1060	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Moisture Resistance	IS 302(Part-2,Sec-12)
1061	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Operation Under Overload conditions of Appliances with Heating Elements	IS 302(Part-2,Sec-12)
1062	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Overload Protection	IS 302(Part-2,Sec-12)
1063	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Protection against electric shock	IS 302(Part-2,Sec-12)
1064	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Provision for Earthing	IS 302(Part-2,Sec-12)
1065	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Resistance to heat Fire and Tracking	IS 302(Part-2,Sec-12)
1066	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Resistance to Rusting	IS 302(Part-2,Sec-12)
1067	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Screws and connection	IS 302(Part-2,Sec-12)
1068	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Stability test & Mechanical hazards	IS 302(Part-2,Sec-12)
1069	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Supply connection and external flexible Cables &cords	IS 302(Part-2,Sec-12)
1070	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Temperature Rise	IS 302(Part-2,Sec-12)
1071	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Warming Plates and Similar Appliances	Terminals for External conductors	IS 302(Part-2,Sec-12)
1072	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Products	Low air pressure test	IS 9000(Part 13)
1073	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Products	Acetic acid salt spray test	ISO 9227
1074	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Products	Acetic acid salt spray test	JIS Z 2371



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	65 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1075	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Ball Pressure Test	IS/IEC 60695-10-2
1076	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	CASS test	ISO 9227
1077	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	CASS test	JIS Z 2371
1078	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Change of Temperature Test	IEC60068-2-14
1079	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Change of Temperature Test	IS 9000 (Part-14/sec 2)
1080	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Cold Test	IEC 60068-2-1
1081	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Cold Test	IS 9000(Part-2/sec.1 to 4)
1082	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Cold Test	IEC 60068-2-1
1083	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Corrosion (Salt/Salt Fog)	Test No-9 of JSS 55555
1084	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Corrosion-Salt	Test No-9 of QM 333/Issue-2
1085	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Damp Heat Steady State	IEC60068-2-78
1086	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Damp Heat Steady State	IS 9000 (Part-4)
1087	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Damp Heat Steady State	MIL 810 E,F,G,H
1088	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Damp Heat Steady State	QM 333/Issue-2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	66 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1089	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Damp Heat Steady State	Test No-10 of JSS 55555
1090	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Degree of Protection Provided by Enclosures (IP Code)	IEC 60529
1091	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Degree of Protection Provided by Enclosures (IP Code)	IEC 60529
1092	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Degree of Protection Provided by Enclosures (IP Code)	IS 12063
1093	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Degree of Protection Provided by Enclosures (IP Code)	IS 60529
1094	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Degree of Protection Provided by Enclosures for Electrical Equipment against External Impacts (IK Code)	IEC 62262
1095	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Driving rain test	IS 9000(Part 16):1983(Reaffirmed Year)
1096	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Driving rain test	Test No-12 of JSS 55555
1097	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Drop Test	Test No-10 of QM 333/Issue-2
1098	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Drop Test	Test No-13 of JSS 55555
1099	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Dry Heat Test	IEC 60068-2-2
1100	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Dry Heat Test	IS 9000(Part-3/sec.1 to 5)
1101	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Dust Test	IS 9000(Part -12)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	67 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1102	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Dust Test	Test No-14 of JSS 55555
1103	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Dust Test	Test No-15 of QM 333/Issue-2
1104	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Flammability Test (Horizontal Specimen Method)	IS 11731(Part-1)
1105	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Flammability Test (Vertical Specimen Method) (FV0, FV1, FV2)	IS 11731(Part-2)
1106	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Free Fall	Test No-12 of QM 333/Issue-2
1107	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Glow Wire test	IEC60695-2-10/11/12/13
1108	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Glow Wire test	IS 11000(part2/Sec1)
1109	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Glow Wire test	IS/IEC 60695-2-11
1110	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Glow Wire test	IS/IEC 60695-2-13
1111	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	High Temperature (Dry Heat Cycle) Test	Test No-2 of QM 333/Issue-2
1112	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	High Temperature Test	MIL 810 E,F,G,H
1113	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	High Temperature Test	Test No-17 of JSS 55555
1114	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Horizontal burning (HB)	UL 94, Ed.6 - P. 7
1115	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Horizontal flame test methods (HB)	IS/IEC 60695-11-10



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	68 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1116	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Impact Test, Test Eh: Hammer tests	IEC 60068-2-75
1117	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Impact Test, Test Eh: Hammer tests	IS 9000(Part 7/Sec 7)
1118	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Low air pressure (Altitude Test)	IEC 60068-2-13
1119	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Low air pressure (Altitude Test)	Test No-3 of JSS 55555
1120	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Low Temperature (Cold Cycle)	Test No-1 of QM 333/Issue-2
1121	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Low Temperature Test	MIL 810 E,F,G,H
1122	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Low Temperature Test	Test No-20 of JSS 55555
1123	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Needle Flame Test	IS/IEC 60695-11-5
1124	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Neutral salt spray test	ISO 9227
1125	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Neutral salt spray test	JIS Z 2371
1126	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Rain Test	Test No-14 of QM 333/Issue-2
1127	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Rapid Temperature Cycle (Thermal Shock) Test	MIL 810 E,F,G,H
1128	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Rapid Temperature Cycle (Thermal Shock) Test	Test No-22 of JSS 55555
1129	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Rapid Temperature Cycle Test	Test No-3 of QM 333/Issue-2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	69 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1130	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Resistance to cleaning solvents and permanence of markings	IS 9000(Part 20)
1131	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Robustness of Termination Test	IEC60068-2-21
1132	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Robustness of Termination Test	IS 9000 (Part -19/Sec-1to5)
1133	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Salt Mist Test	IEC 60068-2-11
1134	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Salt Mist Test	IS 9000(Part -11)
1135	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Salt mist, cyclic (sodium chloride solution)	IEC 60068-2-52
1136	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Salt Spray Test	ASTM B117
1137	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Sealing (Gas Tightness)/High Altitude Test.	Test No-7 of QM 333/Issue-2
1138	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Sulphur dioxide test for contacts and connections	IS 9000(Part 26)
1139	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Topple Test	Test No-26 of JSS 55555
1140	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Toppling Test	Test No-11 of QM 333/Issue-2
1141	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Tropical Exposure (Damp Heat Cyclic Test)	IEC60068-2-30
1142	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Tropical Exposure (Damp Heat Cyclic Test)	IS 9000 (Part-5,Sec-1 & 1 2)
1143	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Tropical Exposure (Damp Heat Cyclic Test)	MIL 810 E,F,G,H



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	70 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1144	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Tropical Exposure (Damp Heat Cyclic Test)	Test No-27 of JSS 55555
1145	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Tropical Exposure (Damp Heat Cyclic Test)	Test No-3 of QM 333/Issue-2
1146	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Vertical burning (V-0, V-1, V-2)	UL 94, Ed.6 - P. 8
1147	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Vertical flame test methods(V-0, V-1,V-2)	IS/IEC 60695-11-10
1148	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Vibration /Shock Test	AIS 156
1149	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Vibration /Shock Test	IEC 61373
1150	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Vibration Test	IEC 60068-2-6
1151	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Vibration Test	IS 9000(Part-8)
1152	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Vibration Test	Test No-28 of JSS 55555
1153	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Vibration Test	Test No-6 of QM 333/Issue-2
1154	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Vibration Test Random vibration	IEC 60068-2-64
1155	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Water Immersion test	IEC 60068-2-18
1156	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Water Immersion test	Test No-19 of JSS 55555
1157	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Products	Wind Resistance Test	Cl.3.34 of GR-487-CORE Issue 3, April 2009



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	71 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1158	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Clearance and Creepage Distances	IEC 61347(Part-2,Sec-13)
1159	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Clearance and Creepage Distances	IS 15885(Part-2,Sec-13)
1160	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Construction	IEC 61347(Part-2,Sec-13)
1161	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Construction	IS 15885(Part-2,Sec-13)
1162	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Electric Strength	IEC 61347(Part-2,Sec-13)
1163	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Electric Strength	IS 15885(Part-2,Sec-13)
1164	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Fault Condition	IEC 61347(Part-2,Sec-13)
1165	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Fault Condition	IS 15885(Part-2,Sec-13)
1166	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Marking	IEC 61347(Part-2,Sec-13)
1167	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Marking	IS 15885(Part-2,Sec-13)
1168	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Marking	IS 15885(Part-2,Sec-13)
1169	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Moisture Resistance	IEC 61347(Part-2,Sec-13)
1170	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Moisture Resistance	IS 15885(Part-2,Sec-13)
1171	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Protection Against Accidental contact with live parts	IEC 61347(Part-2,Sec-13)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	72 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1172	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Protection Against Accidental contact with live parts	IS 15885(Part-2,Sec-13)
1173	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Provision for Protective Earthing	IEC 61347(Part-2,Sec-13)
1174	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Provision for Protective Earthing	IS 15885(Part-2,Sec-13)
1175	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Resistance to corrosion	IEC 61347(Part-2,Sec-13)
1176	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Resistance to corrosion	IS 15885(Part-2,Sec-13)
1177	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Resistance to Heat, Fire and Tracking	IEC 61347(Part-2,Sec-13)
1178	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Resistance to Heat, Fire and Tracking	IS 15885(Part-2,Sec-13)
1179	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Screws, Current carrying parts and connections	IEC 61347(Part-2,Sec-13)
1180	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Screws, Current carrying parts and connections	IS 15885(Part-2,Sec-13)
1181	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Terminals	IEC 61347(Part-2,Sec-13)
1182	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Terminals	IS 15885(Part-2,Sec-13)
1183	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Transformer Heating	IEC 61347 Part-2,Sec 13)
1184	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c or a.c Supplied Electronic control gear for LED Modules	Transformer Heating	IS 15885 (Part 2,Sec13) (Cl.15):2012+A1
1185	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Construction	IS 10322 (Part- 5, Sec-8)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	73 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1186	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Creepage Distance & Clearance	IEC 60598(Part-2,Sec-22)
1187	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Creepage Distance & Clearance	IS 10322 (Part- 5, Sec-8)
1188	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Endurance Test and Thermal Test	IEC 60598(Part-2,Sec-22)
1189	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Endurance Test and Thermal Test	IS 10322 (Part- 5, Sec-8)
1190	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	External and Internal Wiring	IEC 60598(Part-2,Sec-22)
1191	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	External and Internal Wiring	IS 10322 (Part- 5, Sec-8):
1192	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Insulation Resistance and Electric Strength	IEC 60598(Part-2,Sec-22)
1193	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Insulation Resistance and Electric Strength	IS 10322 (Part- 5, Sec-8)
1194	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Leakage Current	IEC 60598(Part-2,Sec-22)
1195	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Leakage Current	IS 10322 (Part- 5, Sec-8)
1196	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Marking	IEC 60598(Part-2,Sec-22)
1197	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Marking	IS 10322 (Part- 5, Sec-8)
1198	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Protection Against Electric Shock	IEC 60598(Part-2,Sec-22)
1199	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Protection Against Electric Shock	IS 10322 (Part- 5, Sec-8):



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	74 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1200	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Provision for Earthing	IEC 60598(Part-2,Sec-22)
1201	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Provision for Earthing	IS 10322 (Part- 5, Sec-8)
1202	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Resistance to Dust and Moisture	IEC 60598(Part-2,Sec-22):
1203	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Resistance to Dust and Moisture	IS 10322 (Part- 5, Sec-8)
1204	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Resistance to Dust and Moisture	IS 10322 (Part- 5, Sec-8):
1205	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Resistance to Heat, Fire and Tracking	IEC 60598(Part-2,Sec-22)
1206	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Resistance to Heat, Fire and Tracking	IS 10322 (Part- 5, Sec-8):
1207	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Rest Mode and Inhibition mode facilities	IEC 60598(Part-2,Sec-22):
1208	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Terminals	IEC 60598(Part-2,Sec-22)
1209	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Terminals	IS 10322 (Part- 5, Sec-8)
1210	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Test Devices for Emergency Operation	IEC 60598(Part-2,Sec-22)
1211	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Test Devices for Emergency Operation	IS 10322 (Part- 5, Sec-8)
1212	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	"General test Requirements (Visual Inspection) "	IEC 60598(Part-2,Sec1)
1213	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	"General test Requirements (Visual Inspection) "	IS 10322 (Part 5,Sec 1) (Cl. 4)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	75 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1214	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Classification of Luminaires (Visual Inspection)	IEC 60598(Part-2,Sec1)
1215	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Classification of Luminaires (Visual Inspection)	IS 10322 (Part 5,Sec1) (Cl. 5)
1216	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Construction	IEC 60598(Part-2,Sec-1) (Except Cl 4.11.6,4.14.3,4.14 & 4.24)
1217	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Construction	IS 10322 (Part-5,Sec-1) (Except Cl 4.11.6,4.14.3,4.14 & 4.24)
1218	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Creepage Distance & Clearance	IEC 60598(Part-2,Sec-1)
1219	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Creepage Distance & Clearance	IS 10322 (Part-5,Sec-1)
1220	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Endurance Test and Thermal Test	IEC 60598(Part-2,Sec-1)
1221	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Endurance Test and Thermal Test	IS 10322 (Part-5,Sec-1)
1222	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	External and Internal Wiring	IS 10322 (Part-5,Sec-1)
1223	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Insulation Resistance and Electric Strength	IEC 60598(Part-2,Sec-1)
1224	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Insulation Resistance and Electric Strength	IEC 60598(Part-2,Sec-1)
1225	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Insulation Resistance and Electric Strength	IS 10322 (Part-5,Sec-1)
1226	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Leakage Current	IEC 60598(Part-2,Sec-1)
1227	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Leakage Current	IS 10322 (Part-5,Sec-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	76 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1228	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Marking	IEC 60598(Part-2,Sec-1)
1229	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Marking	IS 10322 (Part-5,Sec- 1)
1230	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Protection Against Electric Shock	IEC 60598(Part-2,Sec-1)
1231	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Protection Against Electric Shock	IS 10322 (Part-5,Sec-1)
1232	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Provision for Earthing	IEC 60598(Part-2,Sec-1)
1233	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Provision for Earthing	IS 10322 (Part-5,Sec-1)
1234	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Resistance to Dust and Moisture	IEC 60598(Part-2,Sec-1)
1235	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Resistance to Dust and Moisture	IS 10322 (Part-5,Sec-1)
1236	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Resistance to Heat, Fire and Tracking	IEC 60598(Part-2,Sec-1)
1237	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Resistance to Heat, Fire and Tracking	IS 10322 (Part-5,Sec-1)
1238	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Screw Less Terminals and electrical connections	IEC 60598(Part-2,Sec-1)
1239	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Screw Less Terminals and electrical connections	IS 10322 (Part-5,Sec-1)
1240	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Screw Terminals	IEC 60598(Part-2,Sec-1)
1241	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General-Purpose LED luminaries	Screw Terminals	IS 10322 (Part-5,Sec-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	77 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1242	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Construction	IEC 60598-2-5 (Except Cl 7.5 &7.8):
1243	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Construction	IS 10322 (Part 5/ Sec 5) (Except Cl 7.5 &7.8)
1244	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Creepage Distance & Clearance	IEC 60598(Part-2,Sec-5)
1245	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Creepage Distance & Clearance	IS 10322 (Part- 5,Sec- 5)
1246	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Endurance Test and Thermal Test	IEC 60598(Part-2,Sec-5)
1247	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Endurance Test and Thermal Test	IS 10322 (Part- 5,Sec- 5)
1248	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	External and Internal Wiring	IEC 60598(Part-2,Sec-5)
1249	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	External and Internal Wiring	IS 10322 (Part- 5,Sec- 5)
1250	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Insulation Resistance and Electric Strength	IEC 60598(Part-2,Sec-5)
1251	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Insulation Resistance and Electric Strength	IS 10322 (Part- 5,Sec- 5)
1252	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Leakage Current	IEC 60598(Part-2,Sec-5)
1253	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Leakage Current	IS 10322 (Part- 5,Sec- 5)
1254	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Marking	IEC 60598(Part-2,Sec-5)
1255	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Marking	IS 10322 (Part- 5,Sec- 5)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	78 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1256	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Protection Against Electric Shock	IEC 60598(Part-2,Sec-5)
1257	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Protection Against Electric Shock	IS 10322 (Part- 5,Sec- 5)
1258	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Provision for Earthing	IEC 60598(Part-2,Sec-5)
1259	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Provision for Earthing	IS 10322 (Part- 5,Sec- 5)
1260	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Resistance to Dust and Moisture	IEC 60598(Part-2,Sec-5)
1261	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Resistance to Dust and Moisture	IS 10322 (Part- 5,Sec- 5)
1262	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Resistance to Heat, Fire and Tracking	IEC 60598(Part-2,Sec-5)
1263	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Resistance to Heat, Fire and Tracking	IS 10322 (Part- 5,Sec- 5)
1264	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Terminals	IEC 60598(Part-2,Sec-5)
1265	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Terminals	IS 10322 (Part- 5,Sec- 5)
1266	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Construction	IEC 60598(Part-2,Sec-8) (Except CI 7.6.1&7.6.2)
1267	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Construction	IS 10322 (Part- 5,Sec -6)(Except CI 7.6.1&7.6.2)
1268	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Creepage Distance & Clearance	IEC 60598(Part-2,Sec-8)
1269	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Creepage Distance & Clearance	IS 10322 (Part- 5,Sec -6)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	79 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1270	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Endurance Test and Thermal Test	IEC 60598(Part-2,Sec-8)
1271	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Endurance Test and Thermal Test	IS 10322 (Part- 5,Sec -6)
1272	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	External and Internal Wiring	IEC 60598(Part-2,Sec-8)
1273	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	External and Internal Wiring	IS 10322 (Part- 5,Sec -6)
1274	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Insulation Resistance and Electric Strength	IEC 60598(Part-2,Sec-8)
1275	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Insulation Resistance and Electric Strength	IS 10322 (Part- 5,Sec -6)
1276	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Leakage Current	IEC 60598(Part-2,Sec-8)
1277	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Leakage Current	IS 10322 (Part- 5,Sec -6)
1278	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Leakage Current	IS 10322 (Part- 5,Sec -6)
1279	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Marking	IEC 60598(Part-2,Sec-8)
1280	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Marking	IS 10322 (Part- 5,Sec -6)
1281	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Protection Against Electric Shock	IEC 60598(Part-2,Sec-8)
1282	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Protection Against Electric Shock	IS 10322 (Part- 5,Sec -6)
1283	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Provision for Earthing	IEC 60598(Part-2,Sec-8)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	80 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1284	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Provision for Earthing	IS 10322 (Part- 5,Sec -6)
1285	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Resistance to Dust and Moisture	IEC 60598(Part-2,Sec-8)
1286	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Resistance to Dust and Moisture	IS 10322 (Part- 5,Sec -6)
1287	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Resistance to Heat, Fire and Tracking	IEC 60598(Part-2,Sec-8)
1288	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Resistance to Heat, Fire and Tracking	IS 10322 (Part- 5,Sec -6)
1289	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Terminals	IEC 60598(Part-2,Sec-8)
1290	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Terminals	IS 10322 (Part- 5,Sec -6)
1291	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Classification of Luminaires (Visual Inspection)	IEC 60598(Part-2,Sec 20)
1292	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Classification of Luminaires (Visual Inspection)	IS 10322(Part 5,Sec 7) (Cl. 20.5)
1293	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Construction	IEC 60598(Part-2, Sec-20)(Except Cl 20.7.9,20.7.10 & 20.7.11)
1294	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Construction	IS 10322 (Part- 5, Sec-7)(Except Cl 20.7.9,20.7.10 & 20.7.11)
1295	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Creepage Distance & Clearance	IEC 60598(Part-2, Sec-20)
1296	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Creepage Distance & Clearance	IS 10322 (Part- 5, Sec-7)
1297	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Endurance Test and Thermal Test	IEC 60598(Part-2, Sec-20)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	81 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1298	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	External and Internal Wiring	IEC 60598(Part-2, Sec-20)
1299	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	External and Internal Wiring	IS 10322 (Part- 5, Sec-7)
1300	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	General test Requirements (Visual Inspection)	IEC 60598(Part-2,Sec-20)
1301	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	General test Requirements (Visual Inspection)	IS 10322 (Part 5,Sec 7) (Cl.20.4)
1302	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Insulation Resistance and Electric Strength	IEC 60598(Part-2, Sec-20)
1303	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Insulation Resistance and Electric Strength	IS 10322 (Part- 5, Sec-7):
1304	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Leakage Current	IEC 60598(Part-2, Sec-20)
1305	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Leakage Current	IS 10322 (Part- 5, Sec-7)
1306	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Marking	IEC 60598(Part-2, Sec-20)
1307	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Marking	IS 10322 (Part- 5, Sec-7)
1308	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Protection Against Electric Shock	IEC 60598(Part-2, Sec-20) Except Cl 20.12.2 & 20.12.4)
1309	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Protection Against Electric Shock	IS 10322 (Part- 5, Sec-7)(Except Cl 20.12.2 & 20.12.4)
1310	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Resistance to Dust and Moisture	IEC 60598 (Part-2, Sec-20)
1311	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Resistance to Dust and Moisture	IS 10322 (Part- 5, Sec-7)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	82 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1312	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Resistance to Heat, Fire and Tracking	IEC 60598(Part-2, Sec-20)
1313	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Resistance to Heat, Fire and Tracking	IS 10322 (Part- 5, Sec-7)
1314	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Terminals	IEC 60598(Part-2, Sec-20)
1315	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Terminals	IS 10322 (Part- 5, Sec-7)
1316	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Construction	IEC 60598(Part-2,Sec-3)(Except Cl 7.3 & 7.5)
1317	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Creepage Distance & Clearance	IEC 60598(Part-2,Sec-3)
1318	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Creepage Distance & Clearance	IS 10322 (Part 5,Sec 3)
1319	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Endurance Test and Thermal Test	IEC 60598(Part-2,Sec-3)
1320	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Endurance Test and Thermal Test	IS 10322 (Part 5,Sec 3)
1321	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	External and Internal Wiring	IEC 60598(Part-2,Sec-3)
1322	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	External and Internal Wiring	IS 10322 (Part 5,Sec 3)
1323	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Insulation Resistance and Electric Strength	IEC 60598(Part-2,Sec-3)
1324	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Insulation Resistance and Electric Strength	IS 10322 (Part 5,Sec 3)
1325	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Leakage Current	IEC 60598(Part-2,Sec-3):



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	83 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1326	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Leakage Current	IS 10322 (Part 5,Sec 3)
1327	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Marking	IEC 60598(Part-2,Sec-3)
1328	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Marking	IS 10322 (Part 5,Sec 3)
1329	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Protection Against Electric Shock	IEC 60598(Part-2,Sec-3)
1330	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Protection Against Electric Shock	IS 10322 (Part 5,Sec 3)
1331	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Provision for Earthing	IEC 60598(Part-2,Sec-3)
1332	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Provision for Earthing	IS 10322 (Part 5,Sec 3)
1333	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Resistance to Dust and Moisture	IEC 60598(Part-2,Sec-3)
1334	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Resistance to Dust and Moisture	IS 10322 (Part 5,Sec 3)
1335	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Resistance to Heat, Fire and Tracking	IEC 60598(Part-2,Sec-3)
1336	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Resistance to Heat, Fire and Tracking	IS 10322 (Part 5,Sec 3)
1337	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Terminals	IEC 60598(Part-2,Sec-3)
1338	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries for Road and Street Lighting	Terminals	IS 10322 (Part 5,Sec 3)
1339	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Construction	IEC 60598(Part-1) (Except Cl 4.11.6,4.14.3,4.14 & 4.24)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	84 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1340	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Construction	IS 10322 (Part-1) (Except Cl 4.11.6,4.14.3,4.14 & 4.24)
1341	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Creepage Distance & Clearance	IEC 60598(Part-1)
1342	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Creepage Distance & Clearance	IS 10322(Part-1)
1343	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Endurance Test and Thermal Test	IEC 60598(Part-1)
1344	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Endurance Test and Thermal Test	IS 10322(Part-1)
1345	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	External and Internal Wiring	IEC 60598(Part-1)
1346	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	External and Internal Wiring	IS 10322(Part-1)
1347	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Insulation Resistance and Electric Strength	IEC 60598(Part-1)
1348	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Insulation Resistance and Electric Strength	IS 10322(Part-1)
1349	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Leakage Current	IEC 60598(Part-1)
1350	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Leakage Current	IS 10322(Part-1)
1351	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Marking	IEC 60598(Part-1)
1352	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Marking	IS 10322(Part 1)
1353	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Protection Against Electric Shock	IEC 60598(Part-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	85 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1354	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Protection Against Electric Shock	IS 10322(Part-1)
1355	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Provision for Earthing	IEC 60598(Part-1)
1356	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Provision for Earthing	IS 10322(Part-1)
1357	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Resistance to Dust and Moisture	IEC 60598(Part-1)
1358	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Resistance to Dust and Moisture	IS 10322(Part-1)
1359	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Resistance to Heat, Fire and Tracking	IEC 60598(Part-1)
1360	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Resistance to Heat, Fire and Tracking	IS 10322(Part-1)
1361	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Screw Less Terminals and electrical connections	IEC 60598(Part-1)
1362	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Screw Less Terminals and electrical connections	IS 10322(Part-1)
1363	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Screw Terminals	IEC 60598(Part-1)
1364	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries General Requirements and Tests	Screw Terminals	IS 10322(Part-1)
1365	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Construction	IEC 60598(Part-2,Sec-2) (Except Cl 4.11.6,4.14.3,4.14 & 4.24)
1366	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Construction	IS 10322(Part -5, Sec -2) (Except Cl 4.11.6,4.14.3,4.14 & 4.24)
1367	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Creepage Distance & Clearance	IEC 60598(Part-2,Sec-2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	86 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1368	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Creepage Distance & Clearance	IS 10322 (Part-5, Sec-2)
1369	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Endurance Test and Thermal Test	IEC 60598(Part-2,Sec-2)
1370	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Endurance Test and Thermal Test	IS 10322 (Part-5,Sec- 2)
1371	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	External and Internal Wiring	IEC 60598(Part-2,Sec-2)
1372	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	External and Internal Wiring	IS 10322 (Part -5, Sec -2)
1373	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Insulation Resistance and Electric Strength	IEC 60598(Part-2,Sec-2)
1374	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Insulation Resistance and Electric Strength	IS 10322 (Part -5, Sec -2)
1375	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Leakage Current	IEC 60598(Part-2,Sec-2)
1376	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Leakage Current	IS 10322 (Part -5, Sec -2)
1377	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Marking	IEC 60598(Part-2,Sec-2)
1378	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Marking	IS 10322 (Part -5, Sec -2)
1379	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Protection Against Electric Shock	IEC 60598(Part-2,Sec-2)
1380	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Protection Against Electric Shock	IS 10322 (Part -5, Sec -2)
1381	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Provision for Earthing	IEC 60598(Part-2,Sec-2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	87 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1382	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Provision for Earthing	IS 10322 (Part -5, Sec -2)
1383	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Resistance to Dust and Moisture	IEC 60598(Part-2,Sec-2)
1384	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Resistance to Dust and Moisture	IS 10322 (Part -5, Sec -2)
1385	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Resistance to Heat, Fire and Tracking	IEC 60598(Part-2,Sec-2)
1386	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Resistance to Heat, Fire and Tracking	IS 10322 (Part -5,Sec -2)
1387	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Screw Less Terminals and electrical connections	IEC 60598(Part-2,Sec-2)
1388	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Screw Less Terminals and electrical connections	IS 10322 (Part -5, Sec -2)
1389	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Screw Terminals	IEC 60598(Part-2,Sec-2)
1390	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed luminaries	Screw Terminals	IS 10322 (Part -5,Sec -2)
1391	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Clearance and Creepage Distances	IEC 61347(Part-1)
1392	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Clearance and Creepage Distances	IS 15885(Part-1)
1393	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Construction	IEC 61347(Part-1)
1394	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Construction	IS 15885(Part-1)
1395	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Electric Strength	IEC 61347(Part-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	88 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1396	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Electric Strength	IS 15885(Part-1)
1397	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Fault Condition	IEC 61347(Part-1)
1398	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Fault Condition	IS 15885(Part-1)
1399	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Marking	IEC 61347(Part-1)
1400	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Marking	IS 15885(Part-1)
1401	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Moisture Resistance	IEC 61347(Part-1)
1402	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Moisture Resistance	IS 15885(Part-1)
1403	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Protection Against Accidental contact with live parts	IEC 61347(Part-1)
1404	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Protection Against Accidental contact with live parts	IS 15885(Part-1)
1405	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Provision for Protective Earthing	IEC 61347(Part-1)
1406	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Provision for Protective Earthing	IS 15885(Part-1)
1407	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Resistance to corrosion	IEC 61347(Part-1)
1408	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Resistance to corrosion	IS 15885(Part-1)
1409	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Resistance to Heat, Fire and Tracking	IEC 61347(Part-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	89 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1410	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Resistance to Heat, Fire and Tracking	IS 15885(Part-1)
1411	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Screws, Current carrying parts and connections	IEC 61347(Part-1)
1412	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Screws, Current carrying parts and connections	IS 15885(Part-1)
1413	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Terminals	IEC 61347(Part-1)
1414	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Terminals	IS 15885(Part-1)
1415	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Safety of Lamp control gear, General Requirements	Thermal Endurance Test for Windings of Ballasts	IEC 61347(Part-1)
1416	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps For General Lighting Services	Cap Temperature Rise	IEC 62560
1417	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Cap Temperature Rise	IS 16102(Part-1)
1418	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Creepage Distance & Clearance	IEC 62560
1419	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Creepage Distance & Clearance	IS 16102 (Part-1)
1420	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps For General Lighting Services	Fault Conditions	IEC 62560
1421	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Fault Conditions	IS 16102 (Part-1)
1422	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps For General Lighting Services	Insulation Resistance and Electric Strength After Humidity treatment	IEC 62560
1423	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Insulation Resistance and Electric Strength After Humidity treatment	IS 16102 Part-1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	90 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1424	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps For General Lighting Services	Interchangeability Test	IEC 62560
1425	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Interchangeability Test	IS 16102 Part-1)
1426	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Marking	IEC 62560
1427	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Marking	IS 16102 Part-1)
1428	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps For General Lighting Services	Mechanical strength	IEC 62560
1429	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Mechanical strength	IS 16102 (Part-1)
1430	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps For General Lighting Services	Protection Against Accidental Contact with Live Parts	IEC 62560
1431	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Protection Against Accidental Contact with Live Parts	IS 16102 Part-1)
1432	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Resistance to Flame and ignition	IEC 62560
1433	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Resistance to Flame and ignition	IS 16102 (Part-1)
1434	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Resistance to Heat	IEC 62560
1435	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-Ballasted Led Lamps for General Lighting Services	Resistance to Heat	IS 16102 (Part-1)
1436	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Anchoring Clamp	Climate Ageing Test	Cl 8.5 of EN 50483-6



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	91 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1437	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Anchoring Clamp	Climate Ageing Test	Cl.2.6 of NFC 33-042
1438	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Anchoring Clamp	Corrosion Test	Cl 8.4 of EN 50483-6
1439	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Anchoring Clamp	Corrosion Test	Cl.2.7 of NFC 33-042
1440	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Anchoring Clamp	Dynamic test at low temperature	Cl.2.5 of NFC 33-042
1441	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Anchoring Clamp	Markings and indications/Visual Inspection	Cl.2.7 of NFC 33-042
1442	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Anchoring Clamp	Mechanical & Slip strength Test	Cl.2.3 of NFC 33-042
1443	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Anchoring Clamp	Voltage Test	Cl.2.4 of NFC 33-042
1444	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bird Flight Diverter	Ageing tests(sand and dust test)	Ministry of Power Central Electricity Authority Technical Specification
1445	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bird Flight Diverter	Corrosion Resistance Test	Ministry of Power Central Electricity Authority Technical Specification
1446	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bird Flight Diverter	Heating Cycle Test	Ministry of Power Central Electricity Authority Technical Specification
1447	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bird Flight Diverter	Mechanical Strength test(Clamp Slip Test/Grip Retaining Strength Test)	Ministry of Power Central Electricity Authority Technical Specification



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	92 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1448	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bird Flight Diverter	Mechanical Strength test(Direct Pull Test)	Ministry of Power Central Electricity Authority Technical Specification
1449	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bird Flight Diverter	Temperature Cycle Test	Ministry of Power Central Electricity Authority Technical Specification
1450	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bird Flight Diverter	Verification of Dimensions	Ministry of Power Central Electricity Authority Technical Specification
1451	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bird Flight Diverter	Visual Examination Test	Ministry of Power Central Electricity Authority Technical Specification
1452	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Dead End Clamp	Climate Ageing Test	CI 4.3.11 of TEC/GR/TX/OAF-001/03/MAR
1453	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Dead End Clamp	Climate Ageing Test	CI 8.5 of EN 50483-6
1454	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Dead End Clamp	Climate Ageing Test	CI.2.6 of NFC 33-041
1455	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Dead End Clamp	Corrosion Test	CI 4.3.12 of TEC/GR/TX/OAF-001/03/MAR
1456	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Dead End Clamp	Corrosion Test	CI 8.4 of EN 50483-6
1457	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Dead End Clamp	Corrosion Test	CI.2.7 of NFC 33-041
1458	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Dead End Clamp	Dynamic test at low temperature	CI.2.5 of NFC 33-041



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	93 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1459	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Dead End Clamp	Markings and indications/Visual Inspection	Cl.3 of NFC 33-041
1460	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Dead End Clamp	Mechanical & Slip strength Test	Cl.2.3 of NFC 33-041
1461	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Dead End Clamp	Voltage Test	Cl.2.4 of NFC 33-041
1462	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Earth Electrode	Adherence of coating Test	IEC 62561-2
1463	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Earth Electrode	Bending test	IEC 62561-2
1464	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Earth Electrode	Humid sulphur Atmosphere Test	IEC 62561-2
1465	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Earth Electrode	Resistivity Test	IEC 62561-2
1466	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Earth Electrode	Salt Mist Test	IEC 62561-2
1467	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Earth Electrode	Tensile strength test	IEC 62561-2
1468	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Earth Electrode	Tensile strength test	IEC 62561-2
1469	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Earth Electrode	Visual inspection	IEC 62561-2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	94 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1470	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Earth Enhancement Compound	Corrosion test	Cl. 5.5 of IEC 62561-7
1471	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Earth Enhancement Compound	Resistivity test	Cl. 5.4 of IEC 62561-7
1472	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Steel Barbed Wire For Fencing	Freedom from defects	IS 278 (Cl. 9)
1473	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Steel Barbed Wire For Fencing	Uniformity of Zinc Coating	IS 2141(Cl.9.1)
1474	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Steel Barbed Wire For Fencing	Ductility Test	IS 278 (Cl. 12.3)
1475	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Steel Barbed Wire For Fencing	Mass of Zinc Coating	IS 2141 (Cl.9.2)
1476	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Steel Barbed Wire For Fencing	Tensile Test	IS 278 (Cl. 12.1)
1477	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Strand For Earthing	Breaking Force	IS 12776(Cl.8.1)
1478	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Strand For Earthing	d.c. Resistance Test	IS 12776(Cl.8.3)
1479	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Strand For Earthing	Dimension	IS 12776 (Cl.6)
1480	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Strand For Earthing	Elongation	IS 12776 (Cl.8.2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	95 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1481	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Strand For Earthing	Mass of Zinc Coating	IS 12776(Cl.8.5)
1482	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Strand For Earthing	Torsion test	IS 12776 (Cl.8.6)
1483	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Strand For Earthing	Uniformity of Zinc Coating	IS 12776(Cl.8.5)
1484	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Strand For Earthing	Wrapping test	IS 12776(Cl.8.4)
1485	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Hot Dip Galvanized Stay Strand	Ductility Test	IS 2141 (Cl.8.1)
1486	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Hot Dip Galvanized Stay Strand	Freedom from defects	IS 2141 (Cl.7)
1487	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Hot Dip Galvanized Stay Strand	Mass of Zinc Coating	IS 2141 (Cl.9.2)
1488	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Hot Dip Galvanized Stay Strand	Tensile And Elongation Test	IS 2141 (Cl.9.1)
1489	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Hot Dip Galvanized Stay Strand	Uniformity of Zinc Coating	IS 2141 (Cl.9.2)
1490	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Hot Dip Galvanized Stay Strand	Wire Diameter	IS 2141(Cl.8.2)
1491	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer (Current transformer) Upto 11 kV	Temperature rise test	IS 16227(Part-2, Cl. No.7.2.2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	96 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1492	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Current transformer) Upto 11 kV	Impulse voltage with stands test on primary terminals	IS 16227(P art-2,Cl. No.7.2.3)
1493	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Current transformer) Upto 11 kV	Inter-turn over voltage test	IS 16227 (Part-2, Cl. No.7.3.204)
1494	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Current transformer) Upto 11 kV	Mechanical test	IS 16227(Part-2,Cl. No.7.3.5)
1495	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Current transformer) Upto 11 kV	Power-frequency voltage withstand tests on secondary terminals	IS 16227 (Part-2, Cl. No.7.3.4)
1496	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Current transformer) Upto 11 kV	Power-frequency voltage withstands tests between sections	IS 16227(Part-2,Cl. No.7.3.3)
1497	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Current transformer) Upto 11 kV	verification of marking	IS 16227(Part-2 ,Cl. No.7.3.6)
1498	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Current transformer) Upto 11 kV	Verification of the degree of protection by enclosures	IS 16227(Part-2, Cl. No.7.2.7)
1499	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Current transformer) Upto 11 kV	Determination of secondary winding resistance	IS 16227(Part-2,Cl. No.7.3.201)
1500	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Current transformer) Upto 11 kV	Power-frequency voltage withstands tests on primary terminals	IS 16227(Part-2, Cl. No.7.3.1)
1501	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Current transformer) Upto 11 kV	Corrosion Test	IS 16227(Part-2, Cl. No.7.4.9)
1502	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Potential Transformer) Upto 11 kV	Impulse voltage withstands test on primary terminals	IS 16227(Part-3 ,Cl. 7.2.3)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	97 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1503	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Potential Transformer) Upto 11 kV	Mechanical test	IS 16227 (Part-3 ,Cl. 7.4.5)
1504	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Potential Transformer) Upto 11 kV	Power-frequency voltage withstand tests on secondary terminals	IS 16227 (Part-3 ,Cl. 7.3.4)
1505	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Potential Transformer) Upto 11 kV	Power-frequency voltage withstands tests between sections	IS 16227 (Part-3 ,Cl. 7.3.3)
1506	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Potential Transformer) Upto 11 kV	Power-frequency voltage withstands tests on primary terminals	IS 16227 (Part-3 ,Cl. 7.3.1)
1507	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Potential Transformer) Upto 11 kV	Temperature rise test	IS 16227 (Part-3 ,Cl. 7.2.2)
1508	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Potential Transformer) Upto 11 kV	Verification of marking	IS 16227 (Part-3 ,Cl. 7.3.6)
1509	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Potential Transformer) Upto 11 kV	Verification of the degree of protection by enclosures	IS 16227 (Part-3 ,Cl. 7.2.7)
1510	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Instrument Transformer(Potential Transformer) Upto 11kV	Corrosion Test	IS 16227 (Part-3 ,Cl. 7.4.9)
1511	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Branch cable pull-out test	Cl.6.3.3 of NFC 33-020
1512	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Climate Ageing Test	Cl.6.6 of NFC 33-020
1513	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Corrosion Test	Cl.6.7 of NFC 33-020



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	98 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1514	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Di-electric Voltage Test	Cl.6.4 of NFC 33-020
1515	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Electrical Ageing Test.	BS EN 50483-5
1516	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Electrical Ageing Test.	Cl.6.8 of NFC 33-020
1517	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Low temperature assembly test	Cl.6.5 of NFC 33-020
1518	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Low temperature impact test	Cl.6.3.4 of NFC 33-020
1519	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Markings and indications/Visual Inspection	Cl.7 of NFC 33-020
1520	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Mechanical Tightening	Cl.6.3 of NFC 33-020
1521	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Shear head function's test and connector bolt tightening test	Cl.6.3.1 of NFC 33-020
1522	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Temperature rise and overcurrent test	Cl.6.9 of NFC 33-020
1523	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Test for mechanical damage to the main conductor	Cl.6.3.2 of NFC 33-020
1524	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulating Piercing Connector	Water tightness Test.	Cl.6.4 of 33-020



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	99 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1525	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Suspension Clamp	Climate Ageing Test	CI 4.3.11 of TEC/GR/TX/OAF-001/03/MAR
1526	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Suspension Clamp	Climate Ageing Test	CI 8.5 of EN 50483-6
1527	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Suspension Clamp	Climate Ageing Test	NFC 33-040
1528	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Suspension Clamp	Corrosion Test	CI 4.3.12 of TEC/GR/TX/OAF-001/03/MAR
1529	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Suspension Clamp	Corrosion Test	CI 8.4 of EN 50483-6
1530	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Suspension Clamp	Corrosion Test	NFC 33-040
1531	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Suspension Clamp	Markings and indications/Visual Inspection	NFC 33-040
1532	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Suspension Clamp	Mechanical & Slip strength	NFC 33-040
1533	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Suspension Clamp	Mechanical strength of Bracket & SS Strap with Buckle	NFC 33-040
1534	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Suspension Clamp	Voltage Test	NFC 33-040
1535	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Clearance and Creepage Distances and Solid Insulation	CI. 17 of IS 14772



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	100 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1536	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Dimensions	Cl. 9 of IS 14772
1537	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Insulation Resistance and Electric Strength(After HumidityTreatment)	Cl. 14 of IS 14772
1538	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Marking	Cl. 8 of IS 14772
1539	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Mechanical strength	Cl. 15 of IS 14772
1540	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Protection Against the Ingress of Solid Objects	Cl. 13.2 of IS 14772
1541	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Protection against electric shock	Cl. 10 of IS 14772
1542	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Protection Against Harmful Ingress of Water	Cl. 13.3 of IS 14772
1543	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Provision for Earthing	Cl. 11 of IS 14772
1544	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Resistance to Ageing	Cl. 13.1 of IS 14772
1545	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Resistance to corrosion	Cl. 20 of IS 14772
1546	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Resistance to heat and Fire	Cl. 16 of IS 14772
1547	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Resistance to insulating material to abnormal heat and fire	Cl. 18 of IS 14772
1548	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Resistance to tracking	Cl. 19 of IS 14772
1549	ELECTRICAL- WIRING ACCESSORIES	Boxes and Enclosures for Electrical Accessories	Construction	Cl. 12 of IS 14772
1550	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Fault conditions	IS 616(Cl. No. 11)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	101 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1551	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Drawers	IS 616(Cl. No. 12.4)
1552	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Electrical connections and mechanical fixings	IS 616 (Cl. No. 17)
1553	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	External forces - windows & covers	IS 616(Cl. No. 8.12, 8.13)
1554	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Horizontal force test	IS 616(Cl. No. 19.4)
1555	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Humidity treatment	IS 616 (Cl. No. 10.3)
1556	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Insulation of Internal wiring	IS 616(Cl. No. 8.9)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	102 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1557	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Insulation resistance and Dielectric strength	IS 616 (Cl. No. 10.4)
1558	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Internal forces	IS 616(Cl. No. 8.14)
1559	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Mains switch	IS 616 (Cl. No. 8.18, 8.19)
1560	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Markings and Instructions	IS 616 (Cl. No. 5)
1561	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Mechanical strength - Drop test	IS 616(Cl. No. 12.1.5)
1562	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Mechanical strength - Impact test	IS 616 (Cl. No. 12.1.4)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	103 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1563	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	removal of a cover which can be removed by hand	IS 616 (Cl. No. 8.4)
1564	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Supply apparatus for general Use	IS 616 (Cl. No. 8.15)
1565	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Surge test	IS 616 (Cl. No. 10.2)
1566	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Vertical force test	IS 616(Cl. No. 19.3)
1567	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Wall or Ceiling Mounting means	IS 616(Cl. No. 19.7)
1568	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Antenna coaxial sockets Mounted on apparatus	IS 616(Cl. No. 12.5)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	104 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1569	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Apparatus containing coin/button cell batteries	IS 616(Cl. No. 12.7)
1570	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Clearances and creepage distances	IS 616(Cl. No. 13)
1571	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Components	IS 616 (Cl. No. 14)
1572	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Conductive Parts	IS 616: 2017 (Cl. No. 8.1)
1573	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Edges or corners not hazardous	IS 616(Cl. No. 19.5)
1574	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	External flexible cords	IS 616(Cl. No. 16)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	105 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1575	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Fixing of actuating elements	IS 616(Cl. No. 12.2)
1576	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Fuse-links or handling drawers	IS 616 (Cl. No. 8.2)
1577	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Heating under normal operating conditions	IS 616(Cl. No. 7)
1578	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Hygroscopic materials	IS 616(Cl. No. 8.3)
1579	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Mechanical strength - Vibration test	IS 616 (Cl. No. 12.1.3)
1580	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Mechanical strength - Bump test	IS 616 (Cl. No. 12.1.2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	106 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1581	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Mechanical strength - Stress relief	IS 616(Cl. No. 12.1.6)
1582	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Remote control device held in hand	IS 616 (Cl. No. 12.3)
1583	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Stability requirements	IS 616 (Cl. No. 19.1)
1584	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Telescoping or rod antennas	IS 616(Cl. No. 12.6)
1585	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Terminals	IS 616 (Cl. No. 15)
1586	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Test at 10° to the horizontal	IS 616 (Cl. No. 19.2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	107 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1587	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Winding insulation test	IS 616 (Cl. No. 8.8)
1588	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	ClassII apparatus	IS 616(Cl. No. 8.6)
1589	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Fault conditions	IEC 60065 (Cl. No. 11):
1590	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Supply apparatus for general Use	IEC 60065 (Cl. No. 8.15)
1591	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Winding insulation test	IEC 60065 (Cl. No. 8.8)
1592	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Apparatus containing coin/button cell batteries	IEC 60065 (Cl. No.12.7)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	108 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1593	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Edges or corners not hazardous	IEC 60065 (Cl. No.19.5)
1594	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	External forces - windows & covers	IEC 60065 (Cl. No. 8.12,8.13):
1595	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Horizontal force test	IEC 60065 (Cl. No. 19.4)
1596	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Humidity treatment	IEC 60065 (Cl. No. 10.3)
1597	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Insulation of Internal wiring	IEC 60065 (Cl. No. 8.9)
1598	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Insulation resistance and Dielectric strength	IEC 60065 (Cl. No.10.4):



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	109 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1599	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Internal forces	IEC 60065 (Cl. No. 8.14):
1600	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Mains switch	IEC 60065 (Cl. No. 8.18, 8.19)
1601	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Mechanical strength - Vibration test	IEC 60065 (Cl. No.12.1.3):
1602	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Mechanical strength - Drop test	IEC 60065 (Cl. No. 12.1.5)
1603	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Mechanical strength - Stress relief	IEC 60065 (Cl. No.12.1.6)
1604	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Resistance to Fire	IEC 60065 (Cl. No.20):



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	110 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1605	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Stability requirements	IEC 60065 (Cl. No.19.1):
1606	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Surge test	IEC 60065 (Cl. No.10.2)
1607	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Terminals	IEC 60065 (Cl. No.15)
1608	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Electric shock hazard under normal operating conditions	IS 616 (Cl. No. 8.21): 2017/ IEC 60065 (Cl. No. 8.21)
1609	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Antenna coaxial sockets Mounted on apparatus	IEC 60065 (Cl. No. 12.5)
1610	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Class I apparatus	IEC 60065 (Cl. No. 8.5)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	111 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1611	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Class I apparatus	IS 616 (Cl. No. 8.5)
1612	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Class II apparatus	IEC 60065 (Cl. No. 8.6)
1613	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Clearances and creepage distances	IEC 60065 (Cl. No.13)
1614	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Components	IEC 60065 (Cl. No.14)
1615	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Conductive Parts	IEC 60065 (Cl.No.8.1)
1616	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Drawers	IEC 60065 (Cl. No.12.4):



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	112 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1617	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Electrical connections and mechanical fixings	IEC 60065 (Cl. No.17)
1618	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	External flexible cords	IEC 60065(Cl. No.16):
1619	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Fixing of actuating elements	IEC 60065 (Cl. No.12.2)
1620	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Fuse-links or handling drawers	IEC 60065 (Cl. No. 8.2)
1621	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Heating under normal operating conditions	IEC 60065 (Cl. No. 7)
1622	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Hygroscopic materials	IEC 60065 (Cl. No. 8.3)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	113 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1623	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Markings and Instructions	IEC 60065 (Cl. No. 5)
1624	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Mechanical strength - Bump test	IEC 60065 (Cl. No. 12.1.2)
1625	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Mechanical strength - Impact test	IEC 60065 (Cl. No. 12.1.4):
1626	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Non-separable thin sheet material	IEC 60065 (Cl. No. 8.21)
1627	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Remote control device held in hand	IEC 60065 (Cl. No. 12.3)
1628	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	removal of a cover which can be removed by hand	IEC 60065 (Cl. No. 8.4)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	114 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1629	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Resistance to Fire	IS 616(Cl. No. 20)
1630	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Telescoping or rod antennas	IEC 60065 (Cl. No.12.6):2
1631	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Test at 10° to the horizontal	IEC 60065 (Cl. No. 19.2):
1632	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Vertical force test	IEC 60065 (Cl. No.19.3):
1633	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, Video and Similar Electronic Apparatus - Safety Requirements Electronic Games(video), Plasma/LCD/LED Television, Optical disc players, Amplifier, Electronic Musical system, Power adaptors, Wireless headphone and Earphone, Wireless microphone, video camera, webcam, Smart speakers (with and without display) Bluetooth speakers	Wall or Ceiling Mounting means	IEC 60065 (Cl. No.19.7):
1634	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Low air pressure test	IS 9000(Part 13)
1635	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Acetic acid salt spray test	ISO 9227
1636	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Acetic acid salt spray test	JIS Z 2371



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	115 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1637	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Ball Pressure Test	IS/IEC 60695-10-2
1638	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	CASS test	ISO 9227
1639	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	CASS test	JIS Z 2371
1640	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Change of Temperature Test	IEC60068-2-14
1641	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Change of Temperature Test	IS 9000 (Part-14/sec 2)
1642	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Cold Test	IEC 60068-2-1
1643	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Cold Test	IS 9000(Part-2/sec.1 to 4)
1644	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Corrosion (Salt/Salt Fog)	Test No-9 of JSS 55555
1645	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Corrosion-Salt	Test No-9 of QM 333/Issue-2
1646	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Damp Heat Steady State	IEC60068-2-78
1647	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Damp Heat Steady State	IS:9000 (Part-4)
1648	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Damp Heat Steady State	MIL 810 E,F,G,H
1649	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Damp Heat Steady State	QM 333/Issue-2
1650	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Damp Heat Steady State	Test No-10 of JSS 55555



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	116 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1651	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Degree of Protection Provided by Enclosures (IP Code)	IEC 60529
1652	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Degree of Protection Provided by Enclosures (IP Code)	IEC 60529
1653	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Degree of Protection Provided by Enclosures (IP Code)	IS 12063
1654	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Degree of Protection Provided by Enclosures (IP Code)	IS 60529
1655	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Degree of Protection Provided by Enclosures for Electrical Equipment against External Impacts (IK Code)	IEC 62262
1656	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Driving rain test	IS 9000(Part 16):1983(Reaffirmed Year)
1657	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Driving rain test	Test No-12 of JSS 55555
1658	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Drop Test	Test No-10 of QM 333/Issue-2
1659	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Drop Test	Test No-13 of JSS 55555
1660	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Dry Heat Test	IEC 60068-2-2
1661	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Dry Heat Test	IS 9000(Part-3/sec.1 to 5)
1662	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Dust Test	IS 9000(Part -12)
1663	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Dust Test	Test No-14 of JSS 55555



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	117 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1664	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Dust Test	Test No-15 of QM 333/Issue-2
1665	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Flammability Test (Horizontal Specimen Method)	IS 11731(Part-1)
1666	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Flammability Test (Vertical Specimen Method) (FV0, FV1, FV2)	IS 11731(Part-2)
1667	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Free Fall	Test No-12 of QM 333/Issue-2
1668	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Glow Wire test	IEC60695-2-10/11/12/13
1669	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Glow Wire test	IS 11000(part2/Sec1)
1670	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Glow Wire test	IS/IEC 60695-2-11
1671	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Glow Wire test	IS/IEC 60695-2-13
1672	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	High Temperature (Dry Heat Cycle) Test	Test No-2 of QM 333/Issue-2
1673	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	High Temperature Test	Test No-17 of JSS 55555
1674	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Horizontal burning (HB)	UL 94, Ed.6 - P. 7
1675	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Horizontal flame test methods (HB)	IS/IEC 60695-11-10
1676	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Impact Test, Test Eh: Hammer tests	IEC 60068-2-75
1677	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Impact Test, Test Eh: Hammer tests	IS 9000(Part 7/Sec 7)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	118 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1678	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Low air pressure (Altitude Test)	IEC 60068-2-13
1679	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Low air pressure (Altitude Test)	Test No-3 of JSS 55555
1680	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Low Temperature (Cold Cycle)	Test No-1 of QM 333/Issue-2
1681	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Low Temperature Test	MIL 810 E,F,G,H
1682	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Low Temperature Test	Test No-20 of JSS 55555
1683	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Needle Flame Test	IS/IEC 60695-11-5
1684	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Neutral salt spray test	ISO 9227
1685	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Neutral salt spray test	JIS Z 2371
1686	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Rain test	Test No-14 of QM 333/Issue-2
1687	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Rapid Temperature Cycle (Thermal Shock) Test	MIL 810 E,F,G,H
1688	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Rapid Temperature Cycle (Thermal Shock) Test	Test No-22 of JSS 55555
1689	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Rapid Temperature Cycle Test	Test No-3 of QM 333/Issue-2
1690	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Resistance to cleaning solvents and permanence of markings	IS 9000(Part 20)
1691	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Robustness of Termination Test	IEC60068-2-21



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	119 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1692	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Robustness of Termination Test	IS 9000 (Part -19/Sec-1to5)
1693	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Salt Mist Test	IEC 60068-2-11
1694	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Salt Mist Test	IS 9000(Part -11)
1695	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Salt mist, cyclic (sodium chloride solution)	IEC 60068-2-52
1696	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Salt Spray Test	ASTM B117
1697	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Sealing (Gas Tightness)/High Altitude Test.	Test No-7 of QM 333/Issue-2
1698	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Sulphur dioxide test for contacts and connections	IS 9000(Part 26)
1699	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Topple Test	Test No-26 of JSS 55555
1700	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Toppling Test	Test No-11 of QM 333/Issue-2
1701	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Tropical Exposure (Damp Heat Cyclic Test)	IEC60068-2-30
1702	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Tropical Exposure (Damp Heat Cyclic Test)	IS 9000 (Part-5,Sec-1 &1 2)
1703	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Tropical Exposure (Damp Heat Cyclic Test)	MIL 810 E,F,G,H
1704	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Tropical Exposure (Damp Heat Cyclic Test)	Test No-27 of JSS 55555
1705	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics Products	Tropical Exposure (Damp Heat Cyclic Test)	Test No-3 of QM 333/Issue-2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	120 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1706	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Vertical burning (V-0, V-1, V-2)	UL 94, Ed.6 - P. 8
1707	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Vertical flame test methods(V-0, V-1,V-2)	IS/IEC 60695-11-10
1708	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Vibration /Shock Test	AIS 156
1709	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Vibration /Shock Test	IEC 61373
1710	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Vibration Test	IEC 60068-2-6
1711	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Vibration Test	IS 9000(Part-8)
1712	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Vibration Test	Test No-28 of JSS 55555
1713	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Vibration Test	Test No-6 of QM 333/Issue-2
1714	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Vibration Test Random vibration	IEC 60068-2-64
1715	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Water Immersion test	IEC 60068-2-18
1716	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Water Immersion test	Test No-19 of JSS 55555
1717	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Electronics Products	Wind Resistance Test	"Cl.3.34 of GR-487-CORE Issue 3, April 2009
1718	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Cold Start Test	IEC 60571 (Cl. No. 12.2.4)
1719	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Cyclic damp heat test	BS EN 50155 (Cl. No. 13.4.8, 4.4.2, 4.4.7)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	121 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1720	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Damp heat Test, Cyclic	IEC 60571 (Cl. No. 12.2.6)
1721	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	DC Power supply Test	BS EN 50155 (Cl. No. 13.4.3, 5.2)
1722	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Dry Heat Test	BS EN 50155 (Cl. No. 13.4.5, 4.4.2, 4.4.3)
1723	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Dry heat Test	IEC 60571 (Cl. No. 12.2.5)
1724	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Enclosure Protection Test (IP Code)	BS EN 50155 (Cl. No. 13.4.10.5, 4.4.7, 10.9)
1725	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Equipment Stress Screening Test	IEC 60571 (Cl. No. 12.2.14)
1726	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Equipment Stress Screening Test	IEC 60571(Clause no.12.2.14)
1727	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Insulation Test	BS EN 50155 (Cl. No. 13.4.7, 4.6.8, 7.2.1)
1728	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Insulation Test	IEC 60571 (Cl. No. 12.2.10)
1729	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Low Temperature storage Test	BS EN 50155 (Cl. No. 13.4.6, 4.1)
1730	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Low Temperature storage Test	IEC 60571 (Cl. No. 12.2.15)
1731	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Low Temperature Test	BS EN 50155 (Cl. No. 13.4.4, 4.4.2)
1732	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Performance Test	BS EN 50155 (Cl. No. 13.4.2, 4.2, 4.3)
1733	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Performance Test	IEC 60571 (Cl. No. 12.2.3)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	122 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1734	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Rapid Temperature Variation Test	BS EN 50155 (Cl. No. 13.4.12, 4.4.4)
1735	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Salt Mist Test	BS EN 50155: (Cl. No. 13.4.13, 4.5.2)
1736	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Salt Mist Test	IEC 60571 (Cl. No. 12.2.11)
1737	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Shock and Vibration Test	BS EN 50155 (Cl. No. 13.4.10, 4.4.5)
1738	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Stress Screening Test	BS EN 50155 (Cl. No. 13.4.11)
1739	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Supply Over voltage's Test	IEC 60571 (Cl. No. 12.2.7)
1740	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Vibration, Shock and and Bump Test	IEC 60571 (Cl. No. 12.2.12)
1741	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Visual Inspection	BS EN 50155 (Cl. No. 13.4.1, 4.1)
1742	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Visual Inspection	IEC 60571 (Cl. No. 12.2.2)
1743	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Railway Application- Electronic Equipment used in Rolling Stock	Water tightness Test	IEC 60571 (Cl. No. 12.2.13)
1744	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Safeguard against fire under normal operating conditions and abnormal operating conditions	IS/IEC 62368-1 (Cl. No. 6.3)
1745	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Determination of working voltage	IS/IEC 62368-1 (Cl. No. 5.4.1.8)
1746	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Electric strength	IS/IEC 62368-1 (Cl. No. 5.4.9)
1747	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Fixing of conductors	IS/IEC 62368-1 (Cl. No. 4.6)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	123 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1748	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Insulating surface	IS/IEC 62368-1 (Cl. No. 5.4.1.9)
1749	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Top openings and top openings properties	IS/IEC 62368-1(Cl. No. 6.4.8.3.3)
1750	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Antenna terminal insulation	IS/IEC 62368-1 (Cl. No. 5.4.5)
1751	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Backfeed safeguard in Battery backed up supplies	IS/IEC 62368-1(Cl. No. 5.8)
1752	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Capacitor discharge	IS/IEC 62368-1 (Cl. No. 5.5.2.2)
1753	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Carts, stands and similar carriers	IS/IEC 62368-1 (Cl. No. 8.10)
1754	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Classification and limits of electrical energy sources	IS/IEC 62368-1 (Cl. No. 5.2)
1755	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Clearances	IS/IEC 62368-1 (Cl. No. 5.4.2)
1756	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Coin/button cell batteries	IS/IEC 62368-1(Cl. No. 4.8)
1757	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Components requirements	IS/IEC 62368-1 (Cl. No. 4.10)
1758	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Creepage distances	IS/IEC 62368-1 (Cl. No. 5.4.3)
1759	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Energy Source Classifications	IS/IEC 62368-1 (Cl. No. 4.2)
1760	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Equipment for direct insertion into mains socket-outlet	IS/IEC 62368-1 (Cl. No. 4.7)
1761	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Equipment having an Electro-mech. device for destruction of media	IS/IEC 62368-1 (Cl. No. 8.5.4.3)
1762	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Equipment mounted to a wall or ceiling or other structure	IS/IEC 62368-1 (Cl. No. 8.7)
1763	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Explosion	IS/IEC 62368-1(Cl. No. 4.5)
1764	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	General	IS/IEC 62368-1 (Cl. No. 4.1)
1765	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Glass slide test	IS/IEC 62368-1 (Cl. No. 8.6.4)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	124 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1766	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Handle strength	IS/IEC 62368-1 (Cl. No. 8.8)
1767	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Horizontal force test and compliance criteria	IS/IEC 62368-1 (Cl. No. 8.6.5)
1768	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Humidity Treatment	IS/IEC 62368-1 (Cl. No. 5.4.8)
1769	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Internal and external wiring	IS/IEC 62368-1 (Cl. No. 6.5)
1770	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Likelihood of fire or shock due to entry of conductive objects	IS/IEC 62368-1 (Cl. No. 4.9)
1771	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Max. operating temperatures for materials, components and systems	IS/IEC 62368-1(Cl. No. 5.4.1.4)
1772	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Mechanical energy source classifications	IS/IEC 62368-1 (Cl. No. 8.2)
1773	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Mounting means for slide-rail mounted equipment	IS/IEC 62368-1 (Cl. No. 8.11)
1774	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Pollution Degree	IS/IEC 62368-1 (Cl. No. 5.4.1.5)
1775	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Power source circuit classification	IS/IEC 62368-1 (Cl. No. 6.2.2)
1776	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Prospective touch voltage, touch current & protect. Conductor current	IS/IEC 62368-1 (Cl. No. 5.7)
1777	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Protection against energy sources	IS/IEC 62368-1 (Cl. No. 4.3)
1778	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Protection of against energy sources	IS/IEC 62368- (Cl. No. 5.3)
1779	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Protective conductors	IS/IEC 62368-1 (Cl. No. 5.6)
1780	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Relocation stability	IS/IEC 62368-1 (Cl. No. 8.6.3)
1781	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Safeguard against Mechanical energy sources	IS/IEC 62368-1 (Cl. No. 8.3)
1782	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Safeguard against part with sharp edges and corners	IS/IEC 62368-1 (Cl. No. 8.4)
1783	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Safeguards	IS/IEC 62368-1 (Cl. No. 4.4)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	125 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1784	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Safeguards against transient voltages from external circuits	IS/IEC 62368-1 (Cl. No. 5.4.10)
1785	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Separation between external circuits and earth	IS/IEC 62368-1 (Cl. No. 5.4.11)
1786	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Solid Insulation	IS/IEC 62368-1 (Cl. No. 5.4.4)
1787	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Stability of equipment-Requirements	IS/IEC 62368-1 (Cl. No. 8.6.1)
1788	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Static stability Test	IS/IEC 62368-1 (Cl. No. 8.6.2)
1789	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Telescoping or rod Antennas	IS/IEC 62368-1 (Cl. No. 8.12)
1790	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Test for the permanence of markings	IS/IEC 62368-1 (Cl. No. F.3.10)
1791	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Thermal burn injury	IS/IEC 62368-1 (Cl. No. 9)
1792	ELECTRONICS- IT EQUIPMENT	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements	Wheels or casters attachment requirement	IS/IEC 62368-1 (Cl. No. 8.9)
1793	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Discharge of Capacitors in equipment	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	126 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1794	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Power Interface	IS 13252-1: 2010 +A1: 2013+ A2:(Cl. No. 1.6)
1795	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Access to energized parts	IS 13252-1: 2010 +A1: 2013+ A2:(Cl. No. 2.1.1.1)
1796	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Access to energized parts	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7253 **Page No** 127 of 153

Validity 05/07/2023 to 04/07/2025 **Last Amended on** 07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1797	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Adjustable controls	IS 13252-1: 2010 +A1: 2013+ A2:(Cl. No. 4.3.3)
1798	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Adjustable controls	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1799	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Battery Compartments	IS 13252-1: 2010 +A1: 2013+ A2:(Cl. No. 2.1.1.2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	128 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1800	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Battery Compartments	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1801	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Clearances, Creepage distance and distances through insulation	IS 13252-1: 2010 +A1: 2013+ A2:(Cl. No. 2.10)
1802	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Clearances, Creepage distance and distances through insulation	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	129 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1803	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Components	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1804	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Connection to cable distribution systems	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 7)
1805	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Connection to cable distribution systems	UL/IEC 60950-1: 2005+ A1: 2009+ A2:



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	130 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1806	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Connection to telecommunication networks	IS 13252-1: 2010 +A1: 2013+ A2:(Cl. No. 6)
1807	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Connections by plug and sockets	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 4.3.5)
1808	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Connections by plug and sockets	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	131 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1809	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Connections to Mains Supply	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 3.2)
1810	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Connections to Mains Supply	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1811	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Direct plug-in equipment	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 4.3.6)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	132 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1812	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Direct plug-in equipment	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1813	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Discharge of Capacitors in equipment	IS 13252-1: 2010 +A1: 2013+ A2:(Cl. No. 2.1.1.7)
1814	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Disconnections from The Mains Supply	IS 13252-1: 2010 +A1: 2013+ A2:(Cl. No. 3.4)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	133 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1815	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Disconnections from The Mains Supply	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1816	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Edges and corners	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 4.3.1)
1817	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Edges and corners	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7253 **Page No** 134 of 153

Validity 05/07/2023 to 04/07/2025 **Last Amended on** 07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1818	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Electric strength	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 5.2)
1819	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Electric strength	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1820	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Electrical Insulation	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 2.9)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7253 **Page No** 135 of 153

Validity 05/07/2023 to 04/07/2025 **Last Amended on** 07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1821	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Electrical Insulation	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1822	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Energy Hazard	IS 13252-1: 2010 +A1: 2013+ A2 (Cl. No. 2.1.1.5)
1823	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Handles and manual controls	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	136 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1824	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Handles and manual controls	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 4.3.2)
1825	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Heating element in earth equipment	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 4.3.7)
1826	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Heating element in earth equipment	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	137 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1827	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Interconnection of Equipment	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 3.5)
1828	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Interconnection of Equipment	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1829	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Limited Current Circuits	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 2.4)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	138 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1830	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Limited Current Circuits	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1831	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Manual Controls	IS 13252-1: 2010 +A1: 2013+ A2:(Cl. No. 2.1.1.6)
1832	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Manual Controls	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	139 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1833	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Markings and Instructions	IS 13252-1: 2010 +A1: 2013+ A2:(Cl. No. 1.7)
1834	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Markings and Instructions	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1835	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Mechanical Strength	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 4.2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	140 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1836	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Oil & grease	IS 13252-1: 2010 +A1: 2013+ A2 (Cl. No. 4.3.9)
1837	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Oil & grease	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1838	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Openings of Enclosure	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	141 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1839	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Over current And Earth Fault Protection in Primary Circuit	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 2.7)
1840	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Over current And Earth Fault Protection in Primary Circuit	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1841	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Physical Requirements - Stability	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 4.1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7253 **Page No** 142 of 153

Validity 05/07/2023 to 04/07/2025 **Last Amended on** 07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1842	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Protection against hazardous moving parts	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 4.4)
1843	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Protection against hazardous moving parts	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1844	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Protection in Service access areas	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 2.1.2)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	143 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1845	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Protection in Service access areas	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1846	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Provision for Earthing & Bonding	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1847	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Resistance to Fire	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 4.7)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	144 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1848	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Resistance to Fire	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1849	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Safety Interlocks	IS 13252-1: 2010 +A1: 2013+ A2 (Cl. No. 2.8)
1850	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Safety Interlocks	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	145 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1851	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Securing of parts	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 4.3.4)
1852	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Securing of parts	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1853	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Thermal requirements	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 4.5)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	146 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1854	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Thermal requirements	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1855	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	TNV Circuits	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 2.3)
1856	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	TNV Circuits	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	147 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1857	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Touch current and protective conductor current	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 5.1)
1858	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Touch current and protective conductor current	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1859	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Wiring Connection and Supply General	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 3.1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7253 **Page No** 148 of 153

Validity 05/07/2023 to 04/07/2025 **Last Amended on** 07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1860	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Wiring Connection and Supply General	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1861	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Wiring Terminals for connections of External Conductors	IS 13252-1: 2010 +A1: 2013+ A2:(Cl. No. 3.3)
1862	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Wiring Terminals for connections of External Conductors	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	149 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1863	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Abnormal operating and fault conditions	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1864	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Abnormal operating and fault conditions	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 5.3)
1865	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Components	IS 13252-1: 2010 +A1: 2013+ A2:(Cl. No. 1.5)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	150 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1866	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Connection to telecommunication networks	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1867	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Limited Power Sources	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 2.5)
1868	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Limited Power Sources	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	151 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1869	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Mechanical Strength	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1870	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Physical Requirements - Stability	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1871	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Power Interface	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	152 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1872	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Provision for Earthing & Bonding	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 2.6)
1873	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	SELV Circuits	IS 13252-1: 2010 +A1: 2013+ A2: (Cl. No. 2.2)
1874	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	SELV Circuits	UL/IEC 60950-1: 2005+ A1: 2009+ A2



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARTI AUTOMATION PRIVATE LIMITED (A TESTING DIVISION), PLOT NO. 354, SEC. 7, IMT MANESAR, GURGAON, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7253	Page No	153 of 153
Validity	05/07/2023 to 04/07/2025	Last Amended on	07/09/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1875	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment-Safety (General Requirements) Laptop, desktop computer, Notebook, Tablets, Mobile Phone, Cash Resister, Smart card readers, Mail Processing machine, Postage machine, Passport reader, Power bank, Point of sale Terminals, visual display units, video Monitors, Printer, Plotter, scanner, Coping machine, Wireless keyboard, keyboard, telephone Answering machine, Set top box, USB type external solid-state storage device, USB type external hard disk drive, Automatic Data processing machine, Power adaptor, Standalone switch mode power supplies(SMPS), CCTV cameras, Digital camera, CCTV Recorder, USB Driven barcode readers, barcode scanner, Iris scanner, optical fingerprint scanner, Smart watch, Automatic Teller cash dispensing machine, server etc.	Energy Hazard	UL/IEC 60950-1: 2005+ A1: 2009+ A2
1876	ELECTRONICS- IT EQUIPMENT	Mobile Phone Handsets Part 3 Indian Language Support for Mobile Phone Handsets - Specific Requirements	Marking	IS 16333 (Part 3) (Cl. No. 6)
1877	ELECTRONICS- IT EQUIPMENT	Mobile Phone Handsets Part 3 Indian Language Support for Mobile Phone Handsets - Specific Requirements	Requirements- Message readability	IS 16333 (Part 3) (Cl. No. 4.2)
1878	ELECTRONICS- IT EQUIPMENT	Mobile Phone Handsets Part 3 Indian Language Support for Mobile Phone Handsets - Specific Requirements	Requirements-Inputting of text	IS 16333 (Part 3) (Cl. No. 4.1)
1879	ELECTRONICS- IT EQUIPMENT	Mobile Phone Handsets Part 3 Indian Language Support for Mobile Phone Handsets - Specific Requirements	Tests- Message readability	IS 16333 (Part 3) (Cl. No. 5.2)
1880	ELECTRONICS- IT EQUIPMENT	Mobile Phone Handsets Part 3 Indian Language Support for Mobile Phone Handsets - Specific Requirements	Tests-Inputting of text	IS 16333 (Part 3) (Cl. No. 5.1)