National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 1 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	BIOLOGICAL- WATER	Packaged Drinking Water	Coliforms	IS 15185
2	BIOLOGICAL- WATER	Packaged Drinking Water	Escherichia coli	IS 15185
3	BIOLOGICAL- WATER	Packaged Drinking water	Faecal Streptococci	IS 15186
4	BIOLOGICAL- WATER	Packaged Drinking Water	Pseudomonas aeruginosa	IS 13428 (Annex D)
5	BIOLOGICAL- WATER	Packaged Drinking water	Salmonella	IS 15187
6	BIOLOGICAL- WATER	Packaged Drinking Water	Shigella	IS 5887 (Part 7)
7	BIOLOGICAL- WATER	Packaged Drinking Water	Staphylococcus aureus	IS 5887 (Part 2)
8	BIOLOGICAL- WATER	Packaged Drinking Water	Sulphite Reducing anaerobes	IS 13428 (Annex C)
9	BIOLOGICAL- WATER	Packaged Drinking Water	Total viable colony count @20-22 degree celsius per ml in 72 hrs	IS 5402
10	BIOLOGICAL- WATER	Packaged Drinking Water	Total viable colony count @37 ± 1degree celsius per ml in 24 hrs	IS 5402
11	BIOLOGICAL- WATER	Packaged Drinking Water	Vibrio cholerae	IS 5887 (Part 5)
12	BIOLOGICAL- WATER	Packaged Drinking Water	Vibrio parahaemolyticus	IS 5887 (Part 5)
13	BIOLOGICAL- WATER	Packaged Drinking Water	Yeast and Moulds	IS 5403
14	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement - OPC 33, OPC 43, OPC 43S, OPC 53, OPC 53S, Portland Pozzolana Cement - Calcined clay based, Portland Pozzolana Cement - Fly ash based, Portland Slag Cement, Masonry Cement.	Alkali Content as Sodium oxide (Na2O + 0.658 K2O)	IS 12813
15	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement - OPC 33, OPC 43, OPC 43S, OPC 53, OPC 53S, White Portland Cement & Sulphate resisting portland Cement	Alumina (Al2O3)	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement - OPC 33, OPC 43, OPC 43S, OPC 53, OPC 53S, White Portland Cement & Sulphate resisting portland Cement	Calcium Oxide (CaO)	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement - OPC 33, OPC 43, OPC 43S, OPC 53, OPC 53S, White Portland Cement & Sulphate resisting portland Cement	Ferric Oxide (Fe2O3)	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement - OPC 33, OPC 43, OPC 43S, OPC 53, OPC 53S, White Portland Cement & Sulphate resisting portland Cement	Silica (SiO2)	IS 4032

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 2 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement - OPC 33, OPC 43, OPC 43S, OPC 53, OPC 53S, White Portland Cement, Portland Pozzolana Cement - Calcined clay based, Portland Pozzolana Cement - Fly ash based, Portland Slag Cement, Sulphate resisting portland Cement.	Chloride content	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement - OPC 33, OPC 43, OPC 43S, OPC 53, OPC 53S, White Portland Cement, Portland Pozzolana Cement - Calcined clay based, Portland Pozzolana Cement - Fly ash based, Portland Slag Cement, Sulphate resisting portland Cement.	Insoluble residue	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement - OPC 33, OPC 43, OPC 43S, OPC 53, OPC 53S, White Portland Cement, Portland Pozzolana Cement - Calcined clay based, Portland Pozzolana Cement - Fly ash based, Portland Slag Cement, Sulphate resisting portland Cement.	Loss on ignition	IS 4032
22	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement - OPC 33, OPC 43, OPC 43S, OPC 53, OPC 53S, White Portland Cement, Portland Pozzolana Cement - Calcined clay based, Portland Pozzolana Cement - Fly ash based, Portland Slag Cement, Sulphate resisting portland Cement.	Magnesia	IS 12813
23	CHEMICAL- BUILDING MATERIAL	Ordinary Portland Cement - OPC 33, OPC 43, OPC 43S, OPC 53, OPC 53S, White Portland Cement, Portland Pozzolana Cement - Calcined clay based, Portland Pozzolana Cement - Fly ash based, Sulphate resisting portland Cement.	Total sulphur content calculated as sulphuric anhydride (SO3)	IS 4032
24	CHEMICAL- BUILDING MATERIAL	Portland Slag Cement	Sulphide sulphur (S)	IS 4032
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt & Refined Iodized Salt	Alkalinity (as Na2CO3)	IS 7224
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt & Refined Iodized Salt	Arsenic (as As)	IS 2088
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt & Refined Iodized Salt	Calcium (as Ca), on dry basis	IS 7224
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt & Refined Iodized Salt	Chloride content (as NaCl), on dry basis	IS 7224
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt & Refined Iodized Salt	Iodine Content	IS 7224

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 3 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt & Refined Iodized Salt	Iron (as Fe)	IS 7224
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt & Refined Iodized Salt	Lead (as Pb)	IS 7224
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt & Refined Iodized Salt	Magnesium (as Mg), on dry basis	IS 7224
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt & Refined Iodized Salt	Matter soluble in water other than sodium chloride, on dry basis	IS 7224
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt & Refined Iodized Salt	Moisture	IS 7224
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt & Refined Iodized Salt	Sulphate (as SO4)	IS 7224
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized Salt & Refined Iodized Salt	Water insoluble matter, on dry basis	IS 7224
37	CHEMICAL- METALS & ALLOYS	Gold Bullion and Gold Alloys, Gold Jewellery/Artefacts	Assay (Purity/Fineness)	IS:1418
38	CHEMICAL- METALS & ALLOYS	Silver and Silver Alloys	Assay (Purity/Fineness)	IS:2113
39	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Aluminium	IS 3025 (Part 65)
40	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Antimony	IS 3025 (Part 65)
41	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Arsenic	IS 3025 (Part 65)
42	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Barium	IS 3025 (Part 65)
43	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Cadmium	IS 3025 (Part 65)
44	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Chromium	IS 3025 (Part 65)
45	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Copper	IS 3025 (Part 65)

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 4 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
46	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Iron	IS 3025 (Part 65)
47	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Lead	IS 3025 (Part 65)
48	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Manganese	IS 3025 (Part 65)
49	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Mercury	IS 3025(P-48)
50	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Nickel	IS 3025 (Part 65)
51	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Selenium	IS 3025 (Part 65)
52	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Silver	IS 3025 (Part 65)
53	CHEMICAL- RESIDUES IN WATER	Package Drinking Water	Zinc	IS 3025 (Part 65)
54	CHEMICAL- WATER	Package Drinking Water	Sulphate (as SO4)	IS:3025 (Part 24)
55	CHEMICAL- WATER	Packaged Drinking water	Alkalinity (as HCO3)	IS:3025(Part 23)
56	CHEMICAL- WATER	Packaged Drinking Water	Calcium (as Ca)	IS 3025 (Part 40)
57	CHEMICAL- WATER	Packaged Drinking Water	Chloride (as Cl)	IS 3025 (Part 32)
58	CHEMICAL- WATER	Packaged Drinking Water	Colour	IS 3025 (Part 4)
59	CHEMICAL- WATER	Packaged Drinking water	Fluoride	IS:3025(Part 60)
60	CHEMICAL- WATER	Packaged Drinking Water	Magnesium (as Mg)	IS 3025 (Part 46)
61	CHEMICAL- WATER	Packaged Drinking water	Magnesium(as mg)	IS:3025(Part 46)
62	CHEMICAL- WATER	Packaged Drinking water	Mineral oil	IS:3025(Part 39)Ammdt 2
63	CHEMICAL- WATER	Packaged Drinking water	Nitrate(as No3)	IS:3025 (Part 24)
64	CHEMICAL- WATER	Packaged Drinking water	Nitrite	IS:3025(Part 34)
65	CHEMICAL- WATER	Packaged Drinking water	Odour	IS:3025(Part 5)
66	CHEMICAL- WATER	Packaged Drinking Water	pH	IS:3025(Part 11)
67	CHEMICAL- WATER	Packaged Drinking water	Sodium	IS:3025(Part 45)
68	CHEMICAL- WATER	Packaged Drinking Water	Sulphide (as H2S)	IS 3025
69	CHEMICAL- WATER	Packaged Drinking Water	Taste	IS:3025(Part 8)
70	CHEMICAL- WATER	Packaged Drinking Water	Total dissolved solids	IS:3025(Part 16)
71	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	IS:3025(Part 10)

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 5 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
72	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables-For Working Voltages upto And Including 1100 Volts	Conductor Resistance Test	IS 10810(Part 5)
73	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables-For Working Voltages upto And Including 1100 Volts	Hot set test	IS 10810 (Part 30)
74	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables-For Working Voltages upto And Including 1100 Volts	Insulation resistance (volume Resistivity) test	Is 10810 (part 43)
75	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables-For Working Voltages upto And Including 1100 Volts	Shrinkage test on Insulation	IS 10810 (Part 11)
76	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables-For Working Voltages upto And Including 1100 Volts	Tensile strength and elongation at break of Insulation	IS 10810 (part 7)
77	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables-For Working Voltages upto And Including 1100 Volts	Tensile Test for Aluminium	IS 10810 (Part 2)
78	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables-For Working Voltages upto And Including 1100 Volts	Thermal ageing in air of Insulation	IS 10810 (Part 11)
79	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables-For Working Voltages upto And Including 1100 Volts	Water Absorption Test on Insulation	IS 10810 (Part 33)
80	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Aluminium Conductors Galvanised Steel Reinforced For Extra High Voltage (transmission purposes)	Breaking Load	IS 398(Part 5)
81	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Aluminium Conductors Galvanised Steel Reinforced For Extra High Voltage (transmission purposes)	Diameter of Individual Aluminium wires & galvanised steel Wires	IS 398 (Part 5)
82	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Aluminium Conductors Galvanised Steel Reinforced For Extra High Voltage (transmission purposes)	Elongation	IS 398 (Part 5)
83	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Aluminium Conductors Galvanised Steel Reinforced For Extra High Voltage (transmission purposes)	Galvanising Test on steel wires	IS 398 (Part 5)
84	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Aluminium Conductors Galvanised Steel Reinforced For Extra High Voltage (transmission purposes)	Lay Ratio	IS 398 (Part 5)
85	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Aluminium Conductors Galvanised Steel Reinforced For Extra High Voltage (transmission purposes)	Resistance Test	IS 398 (Part 5)
86	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Aluminium Conductors Galvanised Steel Reinforced For Extra High Voltage (transmission purposes)	Wrapping Test	IS 398 (Part 5)

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 6 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
87	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes Aluminium Alloy Stranded Conductors (Aluminium Magnesium Silicon type)	Breaking Load	IS 398(Part 4)
88	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes Aluminium Alloy Stranded Conductors (Aluminium Magnesium Silicon type)	Diameter of Individual Aluminium Wires	IS 398(Part 4)
89	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes Aluminium Alloy Stranded Conductors (Aluminium Magnesium Silicon type)	Elongation	IS 398 (Part 4)
90	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes Aluminium Alloy Stranded Conductors (Aluminium Magnesium Silicon type)	Lay Ratio	IS 398 (Part 4)
91	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes Aluminium Alloy Stranded Conductors (Aluminium Magnesium Silicon type)	Resistance	IS 398 (Part 4)
92	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes Aluminium Stranded Conductors (Aluminium Magnesium Silicon type)	Wrapping	IS 398 (Part 1)
93	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes Aluminium Stranded Conductors (Aluminium Magnesium Silicon type)	Breaking Load	IS 398 (Part 4)
94	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes Aluminium Stranded Conductors (Aluminium Magnesium Silicon type)	Diameter of Individual Aluminium Wires	IS 398 (Part 4)
95	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes Aluminium Stranded Conductors (Aluminium Magnesium Silicon type)	Lay ratio	IS 398 (Part 1)
96	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes Aluminium Stranded Conductors (Aluminium Magnesium Silicon type)	Resistance	IS 398 (Part 1)
97	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes-Aluminium Conductors, Galvanised Steel Reinforced	Measurement of Lay Ratio	IS 398 (Part 2)
98	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes-Aluminium Conductors,Galvanised Steel Reinforced	Breaking Load of aluminium & steel conductors	IS 398 (Part 2)
99	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes-Aluminium Conductors,Galvanized Steel Reinforced	Diameter of Individual Aluminium Wires	IS 398 (Part 2)
100	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes-Aluminium Conductors,Galvanized Steel Reinforced	Ductility	IS 398 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 7 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
101	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes-Aluminium Conductors,Galvanized Steel Reinforced	Elongation	IS 398 (Part 2)
102	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes-Aluminium Conductors,Galvanized Steel Reinforced	Galvanising	IS 398 (Part 2)
103	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes-Aluminium Conductors,Galvanized Steel Reinforced	Lay ratio	IS 398 (Part 2)
104	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes-Aluminium Conductors,Galvanized Steel Reinforced	Resistance	IS 398 (Part 2)
105	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes-Aluminium Conductors,Galvanized Steel Reinforced	Torsion	IS 398 (Part 2)
106	ELECTRICAL- CABLES & WIRES	Aluminium Conductors for Over Head Transmission Purposes-Aluminium Conductors,Galvanized Steel Reinforced	Wrapping	IS 398 (Part 2)
107	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Annealing	IS 10810 (Part 1)
108	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Tensile test for Aluminium	IS 10810 (Part 2)
109	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Conductor resistance test	IS 10810 (Part 5)
110	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Flammability test	IS 10810 (Part 53)
111	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Heat shock test on insulation and sheath	IS 10810 (Part 14)
112	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	High voltage test on cables	IS 10810 (Part 45)
113	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Hot deformation test on insulation and sheath	IS 10810 (Part 15)
114	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Hot Set Test	IS 10810 (Part 30)
115	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Insulation Resistance	IS 10810 (Part 43)
116	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Loss of mass test on insulation and sheath	IS 10810 (Part 10)
117	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Mass of zinc coating on steel and armour	IS 10810 (Part 41)

SCOPE OF ACCREDITATION

Laboratory Name :	BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6405	**Page No**	8 of 15
Validity	23/10/2022 to 22/10/2024	**Last Amended on**	03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
118	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Overall dimensions, thickness of insulation and sheath, jacket	IS 10810 (Part 6)
119	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Resistivity test of armour wires and strips and conductance test of armour (Wires and strips)	IS 10810 (Part 42)
120	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Shrinkage test on insulation and sheath, jacket	IS 10810 (Part 12)
121	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Tensile strength and elongation at break of armouring material	IS 10810 (Part 37)
122	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Tensile strength and elongation at break of insulation and sheath, jacket	IS 10810 (Part 7)
123	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Thermal ageing in air of Insulation and sheath	IS 10810 (Part 12)
124	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Thermal stability of PVC Insulation and sheath	IS 10810 (Part 60)
125	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Torsion test on galvanized steel wire for armouring	IS 10810 (Part 38)
126	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Uniformity of zinc coating of steel armour	IS 10810 (Part 40)
127	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Water Absorption Test on Insulation,Sheath and Jacket	IS 10810 (Part 33)
128	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Winding test on galvanized steel strips for armouring	IS 10810 (Part 39)
129	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated PVC sheathed cables for working voltages up to and including 1100 V	Wrapping test for Aluminium	IS 10810 (Part 3)
130	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Annealing	IS 10810 (Part 1)
131	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Conductor Resistance	IS 10810 (Part 5)
132	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Dimensions of Armouring Material	IS 10810 (Part 36)
133	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Flammability	IS 10810 (Part 53)
134	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Heat Shock Test on Insulation & Sheath	IS 10810 (Part 14)

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 9 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
135	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	High Voltage Test on cables	IS 10810 (Part 45)
136	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Hot Deformation Test on Insulation and Sheath	IS 10810 (Part 15)
137	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Insulation resistance on cables	IS 10810 (Part 43)
138	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Loss of Mass test on insulation and sheath	IS 10810 (Part 10)
139	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Mass of Zinc coating on steel & armour	IS 10810 (Part 41)
140	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Overall Dimensions	IS 10810 (Part 6)
141	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Restivity test of Armour wires & strips & conductance test of Armour (wires & strips)	IS 10810 (Part 42)
142	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Shrinkage test on Insulation, Sheath & Jacket	IS 10810 (Part 12)
143	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Tensile Strength & Elongation at break of Armour material	IS 10810 (Part 37)
144	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Tensile Strength and Elongation at break of Insulation, Sheath & Jacket	IS 10810 (Part 7)
145	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Tensile Test for Aluminium	IS 10810 (Part 2)
146	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Thermal Ageing in Air of Insulation & Sheath	IS 10810 (Part 11)
147	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Thermal stability of PVC Insulation & sheath	IS 10810 (Part 60)
148	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Torsion test on Galvanized steel wire for Armouring	IS 10810 (Part 38)
149	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Uniformity of Zinc coating of Steel Armour	IS 10810 (Part 40)
150	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Winding test on Galvanized steel strips for Armouring	IS 10810 (Part 39)
151	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electrical Cables for Working Voltages up to and including 1100 V	Wrapping Test for Aluminium	IS 10810 (Part 3)
152	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Annealing	IS 10810 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 10 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
153	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	cold Bend	IS 10810 (part 20)
154	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Cold Impact	IS 10810 (part 21)
155	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	conductor resistance test	IS 10810 (Part 5)
156	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Elongation at break of Insulation and Sheath	IS 10810 (part 7)
157	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Flammability	IS 10810 (Part 53)
158	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Heat shock test on insulation and sheath	IS 10810 (part 14)
159	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	High Voltage test	IS 10810(part 45)
160	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Hot deformation test on Insulation and sheath	IS 10810 (15)
161	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Insulation resistance	IS 10810 (Part 43)
162	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Loss of Mass Test for Insulation & Sheath	IS 10810 (Part 10)
163	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Overall dimensions	IS 10810 (Part 6)
164	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Shrinkage test on Insulation and Sheath	IS 10810 (Part 12)
165	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Tensile Test	IS 10810 (Part 7)
166	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Tensile test for Aluminium wire	IS 10810 (part 2)
167	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Thermal ageing in air of Insulation and Sheath	IS 10810 (part 11)
168	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Thermal Stability	IS 10810 (part 60)
169	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Thickness of Insulation & Sheath	IS 10810 (part 6)
170	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables For Working Voltages Upto And Including 1100 Volts	Wrapping test for Aluminium wire	IS 10810(part 3)
171	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Food Mixers (Liquidisers & Grinders)	Leakage current at Operating temperature	IS 302 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 11 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
172	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Food Mixers (Liquidisers & Grinders)	Leakage current (after humidity treatment)	IS 302 (Part 1)
173	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Food Mixers (Liquidisers & Grinders)	Moisture Resistance	IS 302 (Part 1)
174	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Food Mixers (Liquidisers & Grinders)	Provision for Earthing	IS 302(part 1)
175	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Food Mixers (Liquidisers & Grinders)	Temperature withstand test for Bowl	IS 4250
176	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Food Mixers (Liquidizers & Grinders)	Electrical Insulation Test at operating Temperature	IS 302 (part 1)
177	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Food Mixers (Liquidizers & Grinders)	Input	IS 302 (Part 1)
178	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric food mixers (liquidizers and grinders)	Operational tests	IS 4250
179	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Food Mixers (Liquidizers & Grinders)	Protection against electric shock	IS 302 (Part 1)
180	ELECTRICAL- WIRING ACCESSORIES	Conduits For Electrical installations -Rigid Plain Conduits of Insulating materials	Collapse Test	IS 9537 (Part 3)
181	ELECTRICAL- WIRING ACCESSORIES	Conduits For Electrical installations -Rigid Plain Conduits of Insulating materials	Compression Test (On Load)	IS 9537 (Part 3)
182	ELECTRICAL- WIRING ACCESSORIES	Conduits For Electrical installations -Rigid Plain Conduits of Insulating materials	Dimensions	IS 9537 (Part 3)
183	ELECTRICAL- WIRING ACCESSORIES	Conduits For Electrical installations -Rigid Plain Conduits of Insulating materials	Electric Strength	IS 9537 (Part 3)
184	ELECTRICAL- WIRING ACCESSORIES	Conduits For Electrical installations -Rigid Plain Conduits of Insulating materials	Impact Test	IS 9537 (Part 3)
185	ELECTRICAL- WIRING ACCESSORIES	Conduits For Electrical installations -Rigid Plain Conduits of Insulating materials	Insulation Resistance	IS 9537 (Part 3)
186	ELECTRICAL- WIRING ACCESSORIES	Conduits For Electrical installations -Rigid Plain Conduits of Insulating materials	Length	IS 9537 (Part 3)
187	ELECTRICAL- WIRING ACCESSORIES	Conduits For Electrical installations -Rigid Plain Conduits of Insulating materials	Mechanical properties	IS 9537 (Part 3)
188	ELECTRICAL- WIRING ACCESSORIES	Conduits For Electrical installations -Rigid Plain Conduits of Insulating materials	Resistance to Burning	IS 9537 (Part 3)
189	ELECTRICAL- WIRING ACCESSORIES	Conduits For Electrical installations -Rigid Plain Conduits of Insulating materials	Resistance to Heat	IS 9537 (Part 3)
190	ELECTRICAL- WIRING ACCESSORIES	Conduits For Electrical installations -Rigid Plain Conduits of Insulating materials	Uniformity of Wall Thickness	IS 9537 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 12 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium	% Elongation	IS 1608 (Part 1)
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium	Tensile Strength	IS 1608 (Part 1)
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	ROCKWELL HARDNESS TEST	IS 1586 (PART 1)
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	VICKERS HARDNESS TEST	IS 1501 (PART 1)
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Vickers hardness test	IS 1501 (PART 1)
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD bar	% Elongation	IS 1608 (Part 1)
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar	Rebend Test	IS 1786
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar, Structural Steel	Bend Test	IS 1599
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tube	Dimensions Thickness	IS 3601
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Crushing Test	IS 3601
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Drift Expansion Test	IS 2335
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Flattening Test	IS 2328
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, HSD Bars, Steel Tubes, sample taken from Domestic LPG Cylinders	Tensile strength	IS 1608 Part 1
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel, HSD Bars, Steel Tubes, Sample taken from Domestic LPG Cylinders	Yield strength	IS 1608 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 13 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
205	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Corrugated and Semi-Corrugated Asbestos cement sheets	Length of the sheet	IS 459
206	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Corrugated and Semi-Corrugated Asbestos cement sheets	load bearing capacity	IS 459
207	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Corrugated and Semi-Corrugated Asbestos cement sheets	Overall Width	IS 459
208	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Domestic gas stove	Burners gas consumption	IS 4246
209	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC GAS STOVE	COMBUSTION	IS 4246
210	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC GAS STOVE	FIRE HAZARD AND LIMITING TEMPERATURE	IS 4246
211	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC GAS STOVE	FLAME STABILITY	IS 4246
212	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC GAS STOVE	FLASH BACK	IS 4246
213	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC GAS STOVE	FORMATION OF SOOT	IS 4246
214	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC GAS STOVE	IGNITION AND FLAME TRAVEL	IS 4246
215	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC GAS STOVE	NOISE CONTROL	IS 4246
216	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC GAS STOVE	RESISTANCE TO DRAUGHT	IS 4246
217	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC GAS STOVE	Strength	IS 4246
218	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC GAS STOVE	THERMAL EFFICIENCY	IS 4246

SCOPE OF ACCREDITATION

Laboratory Name : BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6405 **Page No** 14 of 15

Validity 23/10/2022 to 22/10/2024 **Last Amended on** 03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
219	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC PRESSURE COOKER	AIR PRESSURE TEST	IS 2347
220	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC PRESSURE COOKER	BURSTING PRESSURE TEST	IS 2347
221	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC PRESSURE COOKER	CAPACITY	IS 2347
222	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC PRESSURE COOKER	LID REMOVAL UNDER PRESSURE	IS 2347
223	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC PRESSURE COOKER	PRESSURE REGULATING DEVICE	IS 2347
224	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC PRESSURE COOKER	PROOF PRESSURE	IS 2347
225	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	DOMESTIC PRESSURE COOKER	SPRING LOADED MECHANISM	IS 2347
226	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG CYLINDER	VALVE PROTECTING RING	IS 3196 (PART 1)
227	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG CYLINDER (5 TO 250 L) WATER CAPACITY	DROP TEST	IS 3196 (PART 1)
228	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG CYLINDER (5 TO 250 L) WATER CAPACITY	BURSTING TEST	IS 3196 (PART 3)
229	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG CYLINDER (5 TO 250 L) WATER CAPACITY	HYDROSTATIC TEST	IS 3196 (PART 3)
230	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG CYLINDER (5 TO 250 L) WATER CAPACITY	PNEUMATIC LEAKAGE TEST	IS 3196 (PART 3)
231	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	SQUARE TIN	AIR PRESSURE TEST	IS 2471
232	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	SQUARE TIN	DIMENSIONS	IS 10325

SCOPE OF ACCREDITATION

Laboratory Name :	BUREAU OF INDIAN STANDARDS, SOUTHERN REGIONAL OFFICE LABORATORY, IV CROSS ROAD, CIT CAMPUS, CHENNAI, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6405	**Page No**	15 of 15
Validity	23/10/2022 to 22/10/2024	**Last Amended on**	03/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
233	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	SQUARE TIN	HANDLE PULL TEST	IS 2471
234	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	SQUARE TIN	HYDRAULIC PRESSURE TEST	IS 2471
235	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	CONTAINER FOR PNMW, PDW	CAPACITY	IS 2798
236	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	CONTAINER FOR PNMW, PDW	CLOSURE LEAKAGE, VIBRATION LEAKAGE, AIR PRESSURE LEAKAGE AND DROP TEST	IS 2798
237	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	CONTAINER FOR PNMW, PDW	COLOUR MIGRATION TEST	IS 9845
238	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	CONTAINER FOR PNMW, PDW	DESIGN SHAPE, FINISHING AND APPEARANCE	IS 15410
239	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	CONTAINER FOR PNMW, PDW	OVERALL MIGRATION TEST	IS 9845
240	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	CONTAINER FOR PNMW, PDW	TRANSPARENCY TEST	IS 15410
241	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	CONTAINER FOR PNMW, PDW	WALL THICKNESS	IS 2798
242	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	CONTAINER FOR PNMW, PDW	WATER POTABILITY TEST	IS 15410

NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.