National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	CENTRAL LABORATORY, BUREAU OF INDIAN STANDARDS, 20/9, SITE-4, SAHIBABAD INDUSTRIAL AREA, GHAZIABAD, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11330	**Page No**	1 of 15
Validity	28/01/2023 to 27/01/2025	**Last Amended on**	29/03/2023

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- FOOD AND AGRICULTURAL PRODUCTS	Milk powder	Coliform	IS 5401 (Part-1)
2	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk powder	Aerobic Spore Count (Bacillus cereus)	IS 5887 (Part-6)
3	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk Powder	Bacterial Count	IS 5402
4	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk Powder	Coagulase Positive Staphylococcus aureus	IS 5887 (Part 2)
5	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk Powder	Salmonella	IS 5887 (Part-3)
6	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk Powder	Shigella	IS 5887 (Part-7)
7	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk Powder	Staphylococcus aureus	IS 5887 (Part-2)
8	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Skimmed Milk Powder	Coliform Count	IS 5401 (Part 1)
9	BIOLOGICAL- WATER	Packaged Drinking Water	Staphylococcus aureus	IS 5887 (Part-2)
10	BIOLOGICAL- WATER	Packaged Drinking Water	Pseudomonas aeruginosa	Annex D of IS 13428
11	BIOLOGICAL- WATER	Packaged Drinking Water	Vibrio parahaemolyticus	IS 5887 (Part-5)
12	BIOLOGICAL- WATER	Packaged Drinking Water	Aerobic Microbial Count at 20 to 22°C	IS 5402 Part 1
13	BIOLOGICAL- WATER	Packaged Drinking Water	Aerobic Microbial Count at 37±1°C	IS 5402 Part 1
14	BIOLOGICAL- WATER	Packaged Drinking Water	Coliform	IS 15185
15	BIOLOGICAL- WATER	Packaged Drinking Water	Escherichia coli	IS 15185
16	BIOLOGICAL- WATER	Packaged Drinking Water	Faecal streptococci	IS 15186
17	BIOLOGICAL- WATER	Packaged Drinking Water	Salmonella	IS 15187
18	BIOLOGICAL- WATER	Packaged Drinking Water	Shigella	IS 5887 (Part-7)
19	BIOLOGICAL- WATER	Packaged Drinking Water	Sulphite reducing anaerobes	Annex C of IS 13428

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11330 **Page No** 2 of 15

Validity 28/01/2023 to 27/01/2025 **Last Amended on** 29/03/2023

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20	BIOLOGICAL- WATER	Packaged Drinking Water	Vibrio cholerae	IS 5887 (Part-5)
21	BIOLOGICAL- WATER	Packaged Drinking Water	Yeast and Mould	IS 5403
22	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Calcium Oxide	IS 4032
23	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Chloride	IS 4032
24	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Insluble Residue	IS 4032
25	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Loss on ignition	IS 4032
26	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Sulphuric Anhydride	IS 4032
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Insolubility Index	IS 12759
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Milk Fat	IS 11721
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Moisture	IS 16072
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Titrable Acidity	IS 11766
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Total Ash	IS 14433
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Powder	Milk protein in milk solids not fat	IS 7219
33	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Manganese	IS 9879
34	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Nickel	IS 9879
35	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Phosphorus	IS 9879
36	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Sulphur	IS 9879

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY, BUREAU OF INDIAN STANDARDS, 20/9, SITE-4, SAHIBABAD INDUSTRIAL AREA, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11330 **Page No** 3 of 15

Validity 28/01/2023 to 27/01/2025 **Last Amended on** 29/03/2023

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	CHEMICAL- METALS & ALLOYS	High Mn Steel	Carbon	ASTM E 2209-02
38	CHEMICAL- METALS & ALLOYS	High Mn Steel	Chromium	ASTM E 2209-02
39	CHEMICAL- METALS & ALLOYS	High Mn Steel	Manganese	ASTM E 2209-02
40	CHEMICAL- METALS & ALLOYS	High Mn Steel	Nickel	ASTM E 2209-02
41	CHEMICAL- METALS & ALLOYS	High Mn Steel	Phosphorus	ASTM E 2209-02
42	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Carbn	ASTM E 415
43	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Carbon	IS 8811
44	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Manganese	ASTM E 415
45	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Manganese	IS 8811
46	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Phosphorus	ASTM E 415
47	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Phosphorus	IS 8811
48	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Silicon	ASTM E 415
49	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Silicon	IS 8811
50	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Sulphur	ASTM E 415
51	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steel	Sulphur	IS 8811
52	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Chromium	ASTM E 1251
53	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Chromium	IS 11035
54	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Copper	ASTM E 1251
55	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Copper	IS 11035

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11330 **Page No** 4 of 15

Validity 28/01/2023 to 27/01/2025 **Last Amended on** 29/03/2023

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
56	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Iron	ASTM E 1251
57	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Iron	IS 11035
58	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Magnese	IS 11035
59	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Manganese	ASTM E 1251
60	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Silicon	ASTM E 1251
61	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Silicon	IS 11035
62	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Titanium	ATM E 1251
63	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Titanium	IS 11035
64	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Carbon	IS 9879
65	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steel	Chromium	IS 9879
66	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Carbon	ASTM E1086
67	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Chromium	ASTM E1086
68	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Manganese	ASTM E1086
69	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Nickel	ASTM E1086
70	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Phosphorus	ASTM E1086
71	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Sulphur	ASTM E1086
72	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Antimony	BS EN 15079
73	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Iron	BS EN 15079
74	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Nickel	BS EN 15079

SCOPE OF ACCREDITATION

Laboratory Name :	CENTRAL LABORATORY, BUREAU OF INDIAN STANDARDS, 20/9, SITE-4, SAHIBABAD INDUSTRIAL AREA, GHAZIABAD, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11330	**Page No**	5 of 15
Validity	28/01/2023 to 27/01/2025	**Last Amended on**	29/03/2023

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
75	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Zinc	BS EN 15079
76	CHEMICAL- METALS & ALLOYS	Copper & its Alloys (Brass)	Lead	BS EN 15079
77	CHEMICAL- METALS & ALLOYS	Gold Jewelry/ Artefacts	Fineness/ Purity (Fire Assay)	IS 1418
78	CHEMICAL- WATER	Packaged Drinking Water	Alkalinity	IS 3025 Part 23
79	CHEMICAL- WATER	Packaged Drinking Water	Chloride	IS 3025 Part 32
80	CHEMICAL- WATER	Packaged Drinking Water	Colour	IS 3025 Part 4
81	CHEMICAL- WATER	Packaged Drinking Water	Fluoride	IS 3025 Part 60
82	CHEMICAL- WATER	Packaged Drinking Water	Odour	IS 3025 Part 5
83	CHEMICAL- WATER	Packaged Drinking Water	pH	IS 3025 Part 11
84	CHEMICAL- WATER	Packaged Drinking Water	Taste	IS 3025 Part 8
85	CHEMICAL- WATER	Packaged Drinking Water	TDS	IS 3025 Part 16
86	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Ageing in air oven	IS 694:2010, IS 10810: 1984 Part 11
87	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Annealing Test (For Cu)	IS 694:2010, 10810: Part 1
88	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Cold Bend Test	IS 694:2010, IS 10810: 1984 Part 20
89	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Cold Impact Test	IS 694:2010, IS 10810: 1984 Part 21
90	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Elongation	IS 694:2010, IS 10810: Part 7
91	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Flammability Test	IS 694:2010, IS 10810: Part 53

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11330	**Page No**	6 of 15
Validity	28/01/2023 to 27/01/2025	**Last Amended on**	29/03/2023

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
92	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Heat Shock Test	IS 694:2010, IS 10810: 1984 Part 14
93	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	High Voltage AC Test	IS 694:2010, IS 10810: Part 45
94	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Hot Deformation Test	IS 694:2010, IS 10810: 1984 Part 15
95	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Hot Set Test	IS 694:2010, IS 10810: Part 30
96	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Insulation Resistance Test	IS 694:2010, IS 10810: 1984 Part 43
97	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Loss of mass in air oven	IS 694:2010, IS 10810: 1984 Part 10
98	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Mass of Zinc Coating	IS 694:2010, IS 10810: Part 41
99	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Persulphate Test	IS 694:2010, IS 10810: 1984 Part 4
100	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Resistance Test	IS 694:2010, IS 10810: 1984 Part 5
101	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Shrinkage Test	IS 694:2010, IS 10810: 1984 Part 12
102	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Tensile Strength	IS 694:2010, IS 10810: 1984 Part 7

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11330	**Page No**	7 of 15
Validity	28/01/2023 to 27/01/2025	**Last Amended on**	29/03/2023

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
103	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Tensile Test	IS 694:2010, IS 10810: 1984 Part 2
104	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Thermal Stability Test	IS 694:2010, IS 10810: 1984 Part 60
105	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Torsion Test	IS 694:2010, IS 10810: Part 38
106	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Uniformity of Zinc Coating	IS 694:2010, IS 10810: Part 40:
107	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Water Absorption (Gravimetric for Insulation)	IS 694:2010, IS 10810: 1984 Part 33
108	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Winding Test	IS 694:2010, IS 10810: Part 39
109	ELECTRICAL- CABLES & WIRES	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 450/750 V	Wrapping Test	IS 694:2010, IS 10810: 1984 Part 3
110	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminium Alloy Stranded Conductor (Al-Mg-Si Type)	Breaking Load Test	IS 398 Part4
111	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminium Alloy Stranded Conductor (Al-Mg-Si Type)	Diameter of individual wire	IS 398 Part4
112	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminium Alloy Stranded Conductor (Al-Mg-Si Type)	Elongation	CL. 12.3, IS 398 Part4
113	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminium Alloy Stranded Conductor (Al-Mg-Si Type)	Lay Ratio	CL. 9, IS 398 Part4
114	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminium Alloy Stranded Conductor (Al-Mg-Si Type)	Resistance Test	CL. 12.4, IS 398 Part4

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11330	**Page No**	8 of 15
Validity	28/01/2023 to 27/01/2025	**Last Amended on**	29/03/2023

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115	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced	Breaking Load of individual wire	CL. 13.3, IS 398 Part2
116	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced	Diameter of Aluminium and Steel Wire	CL. 13.2 , IS 398 Part2
117	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced	Ductility Test	CL. 13.4, IS 398 Part2
118	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced	Galvanizing Test	CL. 13.7, IS 4826
119	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced	Lay Ratio	CL. 13.8, IS 398 Part2
120	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced	Resistance Test	CL. 13.6, IS 398 Part 2
121	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced	Wrapping Test	CL. 13.5, IS 398 Part2
122	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced for extra high voltage (400 kV & above)	Breaking Load Test	Cl 13.5,IS 398 Part5
123	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced for extra high voltage (400 kV & above)	Diameter of individual Aluminium and Steel Wire	Cl 13.3, IS 398 Part5
124	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced for extra high voltage (400 kV & above)	Ductility Test	CL 13.6, IS 398 Part5
125	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced for extra high voltage (400 kV & above)	Galvanizing Test	IS 4826
126	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced for extra high voltage (400 kV & above)	Lay Ratio of each layer	Cl 13.4, IS 398 Part5
127	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced for extra high voltage (400 kV & above)	Resistance Test	CL 13.8, IS 398 Part5
128	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced for extra high voltage (400 kV & above)	Visual examination	Cl 13.2, IS 398 Part5

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY, BUREAU OF INDIAN STANDARDS, 20/9, SITE-4, SAHIBABAD INDUSTRIAL AREA, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11330 **Page No** 9 of 15

Validity 28/01/2023 to 27/01/2025 **Last Amended on** 29/03/2023

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
129	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor, Galvanized Steel Reinforced for extra high voltage (400 kV & above)	Wrapping Test	CL 13.7, IS 398 Part5
130	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Stranded Conductor	Breaking load of Individual Aluminium Wire	CL. 12.3, IS 398 Part1
131	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Stranded Conductor	Diameter of Aluminium Wire	CL. 12.2, IS 398 Part1
132	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Stranded Conductor	Resistance test of Aluminum Wire	CL. 12.5, IS 398 Part1
133	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Stranded Conductor	Wrapping Test of Aluminum Wire	CL. 12.4, IS 398 Part1
134	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminum Stranded Conductor	Lay Ratio	CL. 12.6, IS 398 Part1
135	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Electric Strength	CL. 13.3,IS 302 Part1
136	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Heating	CL 11 , IS 302 Part1
137	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Leakage Current after Humidity Treatment	CL 16.2,IS 302 Part1
138	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Mechanical Strength	CL. 21,IS 302 Part1
139	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Power Input and Current	CL. 10,IS 302 Part1
140	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Provision for earthing	CL. 27.5,IS 302 Part1
141	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Abnormal Operation	CL 19,IS 302 Part1
142	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Clearances, Creepage Distances and Solid Insulation	CL. 29, IS 302 Part1
143	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Construction	CL. 22.11, IS 302 Part1
144	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Electric Strength after Humidity Treatment	Cl 16.3, IS 302 Part1
145	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Internal Wiring Flexing Test	CL. 23.3, IS 302 Part1

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY, BUREAU OF INDIAN STANDARDS, 20/9, SITE-4, SAHIBABAD INDUSTRIAL AREA, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11330 **Page No** 10 of 15

Validity 28/01/2023 to 27/01/2025 **Last Amended on** 29/03/2023

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
146	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Leakage Current	CL 13.2, IS 302 Part1
147	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Overload protection of Transformers and associated circuits	CL.17, IS 302 Part1
148	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Protection against access to live parts	CL 8, IS 302 Part1
149	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Pull Test, Supply Connection and External Flexible Cord	CL. 25.15, IS 302 Part1
150	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Resistance to heat and fire	CL 30.2,IS 11000-Part2-Sec1,IS 302 Part1
151	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Screws and connections	CL. 28.1 , IS 302 Part1
152	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Stability and Mechanical Hazards	CL. 20,IS 302 Part1
153	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Appliances (Heaters, Mixer, Irons)	Terminals for external conductors	CL. 26.5, IS 302 Part1
154	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Endurance	CL 18.1,IS 368
155	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Operation under overload condition of Appliances with Heating elements	CL 12.2 ,IS 368
156	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Accessibility of live parts	IS 371
157	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Creepage distance and clearances	IS 371
158	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Dimension	IS 371
159	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Electric Strength	IS 371
160	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Insulation resistance	IS 371
161	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Marking	IS 371
162	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Mechanical Strength	IS 371
163	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Provision for earthing	IS 371

SCOPE OF ACCREDITATION

Laboratory Name :	CENTRAL LABORATORY, BUREAU OF INDIAN STANDARDS, 20/9, SITE-4, SAHIBABAD INDUSTRIAL AREA, GHAZIABAD, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11330	**Page No**	11 of 15
Validity	28/01/2023 to 27/01/2025	**Last Amended on**	29/03/2023

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
164	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Provision for earthing	IS 371
165	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Resistance to abnormal heat, fire and tracking	IS 371
166	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Resistance to excesive residual stresses and rusting	IS 371
167	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Resistance to heat	IS 371
168	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Resistance to moisture and humidity	IS 371
169	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Screws, Current carrying parts and connections	IS 371
170	ELECTRICAL- WIRING ACCESSORIES	Ceiling Rose	Temperature Rise	IS 371
171	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Checking of dimensions	IS 3854
172	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Classification	IS 3854
173	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Creepage, Clearances and Distances through Sealing compounds	IS 3854
174	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Electric Strength	IS 3854
175	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Insulation Resistance	IS 3854
176	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Making and Breaking Capacity	IS 3854
177	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Marking	IS 3854
178	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Mechanical Strength	IS 3854
179	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Normal Operation	IS 3854
180	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Protection against electric shock	IS 3854
181	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Provision for earthing	IS 3854

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY, BUREAU OF INDIAN STANDARDS, 20/9, SITE-4, SAHIBABAD INDUSTRIAL AREA, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11330 **Page No** 12 of 15

Validity 28/01/2023 to 27/01/2025 **Last Amended on** 29/03/2023

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
182	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Resistance to abnormal heat and fire	IS 3854
183	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Resistance to heat	IS 3854
184	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Resistance to rusting	IS 3854
185	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Screws, current carrying parts and connections	IS 3854
186	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V)	Temperature Rise	IS 3854
187	ELECTRICAL- WIRING ACCESSORIES	Flush type and Surface type switches (up to 32A, 250V) IPX1	Resistance to ageing, to harmful ingress of water and humidity	IS 3854
188	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Checking of dimensions	IS 1293
189	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Creepage, Clearances and DIstance through Sealing compounds	IS 1293
190	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Electric Strength	IS 1293
191	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Flexing Cable and their connection	IS 1293
192	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Force necessary to withdraw the plug	IS 1293
193	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Insulation Resistance	IS 1293
194	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Making and Breaking capacity test	IS 1293
195	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Marking	IS 1293
196	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Mechanical strength	IS 1293
197	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Normal Operation	IS 1293
198	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Protection against electric shock	IS 1293
199	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Provision for earthing	IS 1293

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY, BUREAU OF INDIAN STANDARDS, 20/9, SITE-4, SAHIBABAD INDUSTRIAL AREA, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11330 **Page No** 13 of 15

Validity 28/01/2023 to 27/01/2025 **Last Amended on** 29/03/2023

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
200	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Provison for earthing	IS 1293
201	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Resistance to ageing and humidity	IS 1293
202	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Resistance to heat	IS 1293
203	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Resistance to rusting	IS 1293
204	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Screw, current carrying part and connection	IS 1293
205	ELECTRICAL- WIRING ACCESSORIES	Plugs and Sockets	Temperature Rise	IS 1293
206	ELECTRICAL- WIRING ACCESSORIES	SWITCHES	CONDUCTOR SPACE TEST	CL. 12.2.1, IS 3854
207	MECHANICAL- BUILDINGS MATERIALS	Cement 33 grade OPC, 43 grade OPC, 53 grade OPC, Portland Slag Cement, Portland Pozzolana Cement (Fly Ash and Calcined Clay Based)	Compressive Strength	IS 4031 Part 6
208	MECHANICAL- BUILDINGS MATERIALS	Cement 33 grade OPC, 43 grade OPC, 53 grade OPC, Portland Slag Cement, Portland Pozzolana Cement (Fly Ash and Calcined Clay Based)	Initial Setting Time	IS 4031 Part 5
209	MECHANICAL- BUILDINGS MATERIALS	Cement 33 grade OPC, 43 grade OPC, 53 grade OPC, Portland Slag Cement, Portland Pozzolana Cement (Fly Ash and Calcined Clay Based)	Soundness by Autoclave Expansion	IS 4031 Part 3
210	MECHANICAL- BUILDINGS MATERIALS	Cement 33 grade OPC, 43 grade OPC, 53 grade OPC, Portland Slag Cement, Portland Pozzolana Cement (Fly Ash and Calcined Clay Based)	Soundness by Le Chatelier	IS 4031 Part 3
211	MECHANICAL- BUILDINGS MATERIALS	Cement 33 grade OPC, 43 grade OPC, 53 grade OPC, Portland Slag Cement, Portland Pozzolana Cement (Fly Ash and Calcined Clay Based)	Final Setting Time	IS 4031(P-5)
212	MECHANICAL- BUILDINGS MATERIALS	Cement 33 grade OPC, 43 grade OPC, 53 grade OPC, Portland Slag Cement, Portland Pozzolana Cement (Fly Ash and Calcined Clay Based)	Specific Surface (Blaine's Method)	IS 4031 Part 2
213	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (Fly Ash and Calcined Clay Based)	Dry Shrinkage	IS 4031 Part 10
214	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Brass Valves	Izod Impact Test	IS 1598
215	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & Products	Brinell Hardness (10/3000)	IS 1500 Part 1

SCOPE OF ACCREDITATION

Laboratory Name :	CENTRAL LABORATORY, BUREAU OF INDIAN STANDARDS, 20/9, SITE-4, SAHIBABAD INDUSTRIAL AREA, GHAZIABAD, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11330	**Page No**	14 of 15
Validity	28/01/2023 to 27/01/2025	**Last Amended on**	29/03/2023

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
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Brinell Hardness (5/750)	IS 1500 Part 1
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Elongation	IS 1608 Part 1
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Ultimate Tensile Strength	IS 1608 Part 1
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Yield Strength	IS 1608 Part 1
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Medium and High Tensile Structural Steel	Length & Width	IS 2062
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bars	Rebend Test	IS 1786
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Bend Test	Bend Test (Steel)	IS 1599
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials - Wire - Simple Torsion Test	Torsion Test	IS 1717
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Method for bend test on metallic tubes (in full section)	Bend Test	IS 2329
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Method for charpy impact test (V notch) for metallic material	Charpy Impact Test (V-Notch)	IS 1757 Part 1
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Method for wrapping test for metallic wire	Wrapping	IS 1755
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steel Tubes	Flattening Test	IS 2328
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rockwell Hardness Test for Metallic Material	Rockwell Hardness HR30TW	IS 1586 Part 1
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rockwell Hardness Test for Metallic Material	Rockwell Hardness HRBW	IS 1586 Part 1

SCOPE OF ACCREDITATION

Laboratory Name :	CENTRAL LABORATORY, BUREAU OF INDIAN STANDARDS, 20/9, SITE-4, SAHIBABAD INDUSTRIAL AREA, GHAZIABAD, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11330	**Page No**	15 of 15
Validity	28/01/2023 to 27/01/2025	**Last Amended on**	29/03/2023

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
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rockwell Hardness Test for Metallic Material	Rockwell Hardness HRC	IS 1586 Part 1
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipes and Steel Tubes	Drift Expansion Test	IS 2335
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipes for Water and Sewage	Outside Diameter	IS 3589
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipes for Water and Sewage	Thickness	IS 3589
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Wire Ropes	Load Test	IS 6594
235	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	CO2 Gas Cartridge	Hydraulic and Burst Test	IS 4947
236	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG Cylinders	Hydraulic and Burst Test	IS 3196 Part 3
237	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG Stove	Gas Consumption	IS 5116
238	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Malleable cast iron Pipe Fittings	Hydraulic Test	IS 1879
239	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Pressure Cooker	Hydraulic Test	IS 2347
240	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Valves	Hydraulic Test	IS 781

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.