

F.No.65(35)/TCD/TS04/2020-21
Government of India
Ministry Micro, Small & Medium Enterprises
O/o Development Commissioner (MSME)
TC Division

Nirman Bhavan, New Delhi

Dated: 28.06.2021

OFFICE MEMORANDUM

Sub: Charging of Common Testing and Calibration Fees by all MSME-Testing Centres & Testing Stations - reg

I am directed to convey the approval of the Competent Authority towards collecting of Common Testing Charges by all Testing Centres and Testing Stations. In this regard , the details of the different type of Testing, Calibration and its Charges are enclosed herewith for ready reference.

2. The concession of 25% in Total Charges shall be given to Micro Industries who are registered with Ministry of MSME
3. The concession of 10% in Total charges shall be given to Small Industries who are registered with Ministry of MSME.
4. No concession for Medium, Large Industries and Non registered MSMEs.
5. These charges will be in place for another three years from the date of issue of this memorandum.

All Testing Centres and Testing stations may start collecting the fees with immediate effect. This issue with the approval of Competent Authority vide E-File No 18596 dated 16.06.2021.

S. Sathesh Kumar

(S.Sathesh Kumar)

Dy.Director (DI/TC)

To,

All Joint Director / TCs, New Delhi, Kolkata, Mumbai, New Delhi

All Joint Director / TSs Bangalore, Hyderabad, Kolkhapur, Bhopal, Jaipur, Puduchery,

Ettamanur

Copy to :

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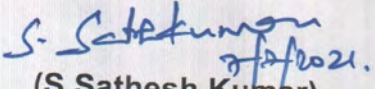
F.No.65(35)/TCD/TS04/2020-21
Government of India
Ministry Micro, Small & Medium Enterprises
O/o Development Commissioner (MSME)
TC & TS Division

Nirman Bhavan, New Delhi
Dated: 07.07.2021

CORRIGENDUM

Sub: Charging of Common Testing and Calibration Fees by all MSME-Testing Centres & Testing Stations - reg

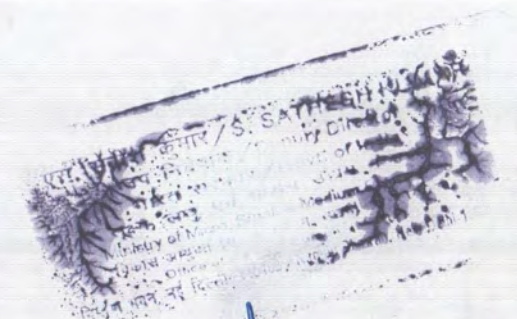
This is with reference to OM of even no dated 28.06.2021 regarding the common test charges. In this regard, in view of new IS 269:2015 (at Sl. No. 6 on page 27) standard introduced for cement testing place of IS 8112:2013 and IS 1449:2010, the test charges mentioned at Sl. No. 340 and 341 on page 49 is no longer valid and may be treated as removed from the list.


(S.Sathesh Kumar)
Dy.Director (DI/TC)

To,
All Joint Director / TCs, New Delhi, Kolkata, Mumbai, New Delhi
All Joint Director / TSs Bangalore, Hyderabad, Kolkhapur, Bhopal, Jaipur,
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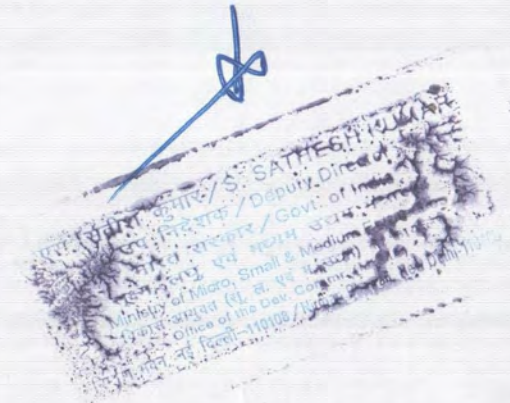
Sl. No.	Test Facility		Indian Standard Specifications /Parameters	Final Test Charges		
	Product/ Material for test	Specific tests performed		Micro (25% Dis)	Small (10% Dis)	Medium & Non MSME
1	2	3	4	5	6	7
1	Mild Steel Wire for General Engineering Purposes	Chemical Composition	IS-280-2006	3825	4590	5100
		Dimension (Diameter)	IS-280-2006	375	450	500
		Tensile Test	IS-280-2006	1200	1440	1600
		Wrapping Test	IS-280-2006	900	1080	1200
		Bend Test	IS-280-2006	1125	1350	1500
		Coating Test	IS-280-2006	1425	1710	1900
		Freedom From Defects	IS-280-2006	375	450	500
2	Aluminium Conductors for Over Head Transmission Purposes(AluminiumCo nductors,Galvanised Steel-Reinforced)	Freedom From Defects	IS-398-Pt-II-1996	375	450	500
		Nominal Size	IS-398-Pt-II-1996	375	450	500
		Breaking Load Test	IS-398-Pt-II-1996	1200	1440	1600
		Torsion Test	IS-398-Pt-II-1996	900	1080	1200
		Wrapping Test	IS-398-Pt-II-1996	900	1080	1200
		Resistance Test	IS-398-Pt-II-1996	1350	1620	1800
		Galvanizing Test	IS-398-Pt-II-1996	1050	1260	1400
3	Mild Steel & Medium Tensile Steel Bars & Hard-Drawn Steel Wires for Concrete Reinforcement	Chemical Composition	IS-432-Pt-I-1982	3075	3690	4100
		Freedom From Defects	IS-432-Pt-I-1982	375	450	500
		Nominal Sizes	IS-432-Pt-I-1982	375	450	500
		Tensile Test	IS-432-Pt-I-1982	1200	1440	1600
		Bend Test	IS-432-Pt-I-1982	1125	1350	1500
4	Mild Steel & Medium Tensile Steel Bars & hard Drawn Steel Wires For Concrete Reinforcement	Chemical Composition	IS-432-Pt-II-1982	3075	3690	4100
		Freedom From Defect	IS-432-Pt-II-1982	375	450	500
		Nominal Sizes	IS-432-Pt-II-1982	375	450	500
		Tensile Test	IS-432-Pt-II-1982	1200	1440	1600
		Reverse Bend Test	IS-432-Pt-II-1982	1200	1440	1600
5	Steel Tubes for	Chemical Composition	IS-1161-1998	3375	4050	4500
		Dimension & Weights	IS-1161-1998	1125	1350	1500
		Workmanship	IS-1161-1998	375	450	500
		Galvanizing	IS-1161-1998	1050	1260	1400



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 सूक्ष्म, लघु एवं मध्यम उद्यम, निर्माण
 Ministry of Micro, Small & Medium Enterprises
 विकास आयुक्त (सू. ल. एवं म. उद्यम) का कार्यालय
 Office of the Dev. Commr. (MS&ME)
 गण भवन, नई दिल्ली-110108 / Nirman Bhawan, New Delhi-110008

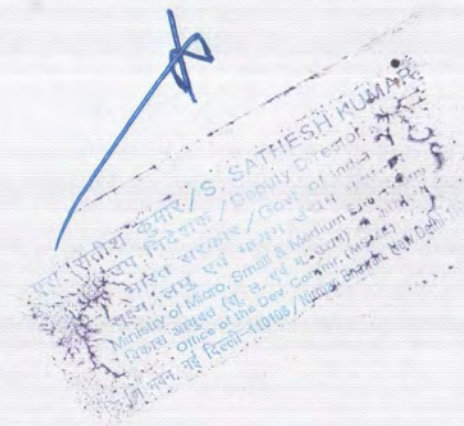
5	Structural Purposes	Straightness	IS-1161-1998	900	1080	1200
		Tensile Test	IS-1161-1998	1275	1530	1700
		Cold Bend Test	IS-1161-1998	1200	1440	1600
		Flattening Test	IS-1161-1998	1050	1260	1400
6	Mild Steel Tubes, Tubular Structures & other wrought fittings	Chemical Composition	IS-1239-Pt.-I-2004	3375	4050	4500
		Dimension & Mass	IS-1239-Pt.-I-2004	1125	1350	1500
		Galvanizing	IS-1239-Pt.-I-2004	1050	1260	1400
		Leak Tightening Test	IS-1239-Pt.-I-2004	1650	1980	2200
		Tensile Test	IS-1239-Pt.-I-2004	1275	1530	1700
		Bend Test	IS-1239-Pt.-I-2004	1200	1440	1600
		Flattening Test	IS-1239-Pt.-I-2004	1050	1260	1400
		Workmanship	IS-1239-Pt.-I-2004	375	450	500
		Marking	IS-1239-Pt.-I-2004	450	540	600
		7	Plain Hard-Drawn steel Wire for Prestressed Concrete	Chemical Composition	IS-1786-2008	3075
Deformations & Surface characteristics	IS-1786-2008			1125	1350	1500
Mass	IS-1786-2008			450	540	600
Tensile Test	IS-1786-2008			1200	1440	1600
Bend Test	IS-1786-2008			1050	1260	1400
Re bend Test	IS-1786-2008			1350	1620	1800
8	Seamless or Electrically welded Steel Pipes for water, gas and sewage	Chemical Composition	IS-3589-2001	3825	4590	5100
		Mass	IS-3589-2001	450	540	600
		Tensile Test	IS-3589-2001	1275	1530	1700
		Flattening Test	IS-3589-2001	1200	1440	1600
		Guided Bend Test(ForSAW Pipes)	IS-3589-2001	1200	1440	1600
		Dimensions	IS-3589-2001	675	810	900
		Workmanship	IS-3589-2001	375	450	500
		Marking	IS-3589-2001	450	540	600
9	Steel Tubes for Mechanical and General	Chemical Composition	IS-3601-2006	3450	4140	4600
		Straightness	IS-3601-2006	825	990	1100
		Dimensions	IS-3601-2006	825	990	1100
		Surface Protection	IS-3601-2006	1125	1350	1500
		Tensile Test	IS-3601-2006	1275	1530	1700

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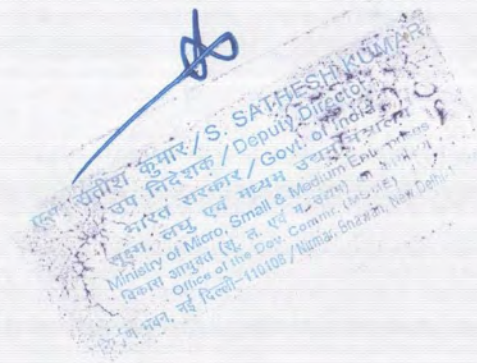
	Mechanical and General Engineering Purposes	Flattening Test	IS-3601-2006	1200	1440	1600
		Bend Test(Strip)	IS-3601-2006	1050	1260	1400
		Bend Test,,Whole Tube	IS-3601-2006	1125	1350	1500
		Drift Expansion	IS-3601-2006	1050	1260	1400
		Crushing Test	IS-3601-2006	1200	1440	1600
10	Steel Tubes used for water wells	Chemical Composition	IS-4270-2001	2775	3330	3700
		Tensile Test	IS-4270-2001	1275	1530	1700
		Flattening Test	IS-4270-2001	1200	1440	1600
		Dimensions	IS-4270-2001	1275	1530	1700
		Straightness	IS-4270-2001	825	990	1100
		Hydraulic Pressure Test	IS-4270-2001	450	540	600
		Coating of Tubes	IS-4270-2001	1050	1260	1400
		Workmanship	IS-4270-2001	375	450	500
		Marking	IS-4270-2001	450	540	600
11	Hollow Steel Sections for Structural Purposes	Chemical Composition	IS-4923-1997	2775	3330	3700
		Dimension & Weights	IS-4923-1997	975	1170	1300
		Straightness & Twist	IS-4923-1997	825	990	1100
		Marking	IS-4923-1997	450	540	600
		Tensile Test	IS-4923-1997	1275	1530	1700
12	Rigid Steel Conduit Pipe	Marking	IS-9537-Pt-2-1981	450	540	600
		Dimension+ uniformity of thick.	IS-9537-Pt-2-1981	1200	1440	1600
		Thread Characteristics	IS-9537-Pt-2-1981	1425	1710	1900
		Construction	IS-9537-Pt-2-1981	375	450	500
		Bend Test	IS-9537-Pt-2-1981	1275	1530	1700
		Compression Test	IS-9537-Pt-2-1981	1275	1530	1700
		External Influence	IS-9537-Pt-2-1981	825	990	1100
13	Conduit for Electrical Installation(Rigid Plain Conduit of Insulating Materials)	Marking	IS-9537-Pt-3-1983	450	540	600
		Dimension+ uniformity of thick.	IS-9537-Pt-3-1983	1350	1620	1800
		Construction	IS-9537-Pt-3-1983	375	450	500
		Bend Test	IS-9537-Pt-3-1983	1425	1710	1900
		Compression Test	IS-9537-Pt-3-1983	1125	1350	1500
		Impact Test	IS-9537-Pt-3-1983	9000	10800	12000

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		Collapse Test	IS-9537-Pt-3-1983	1125	1350	1500
		Resistance to Heat	IS-9537-Pt-3-1983	3450	4140	4600
		Resistance to Burning	IS-9537-Pt-3-1983	975	1170	1300
		Electrical Characteristics	IS-9537-Pt-3-1983	1350	1620	1800
14	Precast Concrete Manhole Cover & Frames	Dimension	IS-12592-2002	825	990	1100
		Placing & Compaction	IS-12592-2002	750	900	1000
		Edges protection (Frame)	IS-12592-2002	750	900	1000
		Edges protection (Cover)	IS-12592-2002	450	540	600
		Seatings	IS-12592-2002	375	450	500
		Lifting Hooks	IS-12592-2002	375	450	500
		Visual	IS-12592-2002	600	720	800
		Dimension (Cover & Frame)	IS-12592-2002	1125	1350	1500
		Load Test	IS-12592-2002	2025	2430	2700
15	Product: Glazed Stoneware Pipes and Fittings	Visual Inspection	IS:651 - 2007	450	540	600
		Hydraulic Test	IS:651 - 2007	1875	2250	2500
		Absorption Test	IS:651 - 2007	900	1080	1200
		Test for Acid Resistance	IS:651 - 2007	675	810	900
		Test for Alkali Resistance	IS:651 - 2007	675	810	900
		Crushing Strength Test	IS:651 - 2007	1650	1980	2200
		Marking	IS:651 - 2007	450	540	600
16	Grey Iron Castings	Chemical Composition	IS:210 - 2009	1725	2070	2300
		Tensile Test	IS:210 - 2009	1200	1440	1600
		Hardness Test	IS:210 - 2009	975	1170	1300
		Transverse Test	IS:210 - 2009	1350	1620	1800
		Hydrostatic Test	IS:210 - 2009	1875	2250	2500
17	Unreinforced Corrugated and Semi-Corrugated Asbestos Cement Sheets	Dimensions	IS:459-1992	375	450	500
		Load Bearing Capacity	IS:459-1992	1875	2250	2500
		Impermeability	IS:459-1992	1125	1350	1500
		Density	IS:459-1992	1125	1350	1500
		General Appearance & Finish	IS:459-1992	1125	1350	1500
	Cast Iron Manhole	Dimensions	IS:1726-1991	900	1080	1200
		Coating Test	IS:1726-1991	1050	1260	1400

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18	Cast Iron Manhole Cover	Load Test	IS:1726-1991	1875	2250	2500
		Tensile Bar Test	IS:1726-1991	1200	1440	1600
		Marking	IS:1726-1991	450	540	600
19	Asbestos Cement Building Boards	Dimensions	IS:2098-1997	450	540	600
		Load Bearing Capacity	IS:2098-1997	1875	2250	2500
		Water Absorption Test	IS:2098-1997	1275	1530	1700
		General Appearance & Finish	IS:2098-1997	825	990	1100
		Marking	IS:2098-1997	450	540	600
20	Flushing Cistern for Water Closets and Urinals (Other than Plastics)	Construction	IS:774-2004	975	1170	1300
		Finish	IS:774-2004	750	900	1000
		Discharge Capacity	IS:774-2004	750	900	1000
		Discharge Rate	IS:774-2004	750	900	1000
		Endurance Test	IS:774-2004	3750	4500	5000
		Marking	IS:774-2004	450	540	600
	Hollow Steel Section	Dimension	IS 4923	450	540	600
		Weight	IS 4923	975	1170	1300
2.	Hot Rolled Steel Section	Dimension	IS 7452	450	540	600
3.	Hot Rolled Structural Steel	Dimension	IS 2062	450	540	600
		Mass	IS 2062	450	540	600
4.	Steel Door Frames	Dimension	IS 4351	450	540	600
5.	Steel Doors, Windows, Ventilators	Dimension	IS 1038	450	540	600
	Copper Materials, Ferrous Materials, Alloys and Products and other	Bend Test	IS 1599	900	1080	1200
		Brinell Hardness	IS 1500	975	1170	1300
		Charpy Impact Test including Sub-zero temp. up to -40° C	IS 1757	1425	1710	1900
		Erichsen Cupping Test	IS 10175 (Pt. 1)	675	810	900
		Izod Impact Test	IS 1598	1425	1710	1900
		Proof Load Test	IS 1367 (Pt. 3), (Pt. 6)	1425	1710	1900
		Rebend Test	IS 1786	1125	1350	1500

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 विकास आयुक्त (सू. स. एवं म. उद्यम) का कार्यालय
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6.	and Products and other Non Ferrous Metal Alloys and Products , Welds & Welded Test Specimens	Rockwell Hardness Test	IS 1586	675	810	900
		Surface Discontinuity	IS 1367 (Pt. 9) Section 1, (Pt. 10)	675	810	900
		Tensile Test for Armoring Materials	IS 10810 (Pt. 37)	975	1170	1300
		Tensile Test for Metallic Materials	IS 1608	900	1080	1200
		Tensile Test for Zinc Wire	IS 12447	975	1170	1300
		Vickers Hardness Test	IS 1501	975	1170	1300
		Wedge Load Test	IS 1367 (Pt. 3)	1200	1440	1600
		Wrapping Test	IS 10810	675	810	900
		Wrapping Test	IS 1755	675	810	900
7.	Metallography Test	Micro Structure Analysis	IS 1038	600	720	800
		Macro Structure Analysis	IS 3600 (Pt. 9)	450	540	600
8.	Cast Iron Manhole Covers	Dimension	IS 1726	675	810	900
		Mass	IS 1726	450	540	600
9.	Plastic & Plastic Products - Cables	Accelerated Ageing	IS 10810 (Pt. 11)	3975	4770	5300
		Tensile & Elongation Test	IS 10810 (Pt. 6 & 7)	975	1170	1300
		Tensile Strength & Elongation Test	IS 1554 (Pt. 1 & 2)	975	1170	1300
10.	Thermosetting Synthetic resin bonded laminated sheet	Flexural/Cross Breaking Strength	IS 1998	975	1170	1300
11.	Rubber & Rubber Products	Accelerated Ageing	IS 3400 (Pt. 4)	3975	4770	5300
		Compression Set Test	IS 3400 (Pt. 10)	975	1170	1300
		Shore Hardness Type A	IS 3400 (Pt. 2)	975	1170	1300
		Tensile Strength & Elongation Test	IS 3400 (Pt. 1)	975	1170	1300
12.	Gland Packing	Dimension	IS 5414	450	540	600
13.	Washer	Dimension	IS 937	450	540	600
14.		Glue Shear Strength Test	IS 1734 (Pt. 4)	3600	4320	4800
15.	Plwood	Mycological Test	IS 1734 (Pt. 7)	1425	1710	1900

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16.		Static Bend Test, MOR	IS 1734 (Pt. 11)	1425	1710	1900
17.		Water Resistance Test	IS 1734 (Pt. 6)	1425	1710	1900
18.	Ply Boards	MOR	IS 2380 (Pt. 4)	1425	1710	1900
19.		Screw & Nail Holding	IS 2380 (Pt. 14)	1425	1710	1900
20.		Tensile Test	IS 2380 (Pt. 5 & 6)	975	1170	1300
21.	Liquid Penetrant Test	Liquid Penetrant Test	IS 3658	975	1170	1300
22.	Radiography Test	Radiography Test by X-Ray	IS 1182	1425	1710	1900
23.	Radiography Test	Radiography Test by X-Ray	IS 4853	1425	1710	1900

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 Ministry of Micro, Small & Medium Enterprises
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Sl. No.	Test Facility		Indian Standard Specifications /Parameters	Final Test Charges		
	Product/ Material for test	Specific tests performed		Micro (25% Dis)	Small (10% Dis)	Medium & Non MSME
1	2	3	4	5	6	7
1.	Butterfly Valves	Dimensions	IS 13095	2025	2430	2700
		Hydrostatic Pressure Test	IS 13095	1500	1800	2000
		Visual Inspection	IS 13095	375	450	500
2.	Plastic Taps and valves	Nominal sizes	IS 9763	300	360	400
		Dimensions	IS 9763	1350	1620	1800
		Identification	IS 9763	375	450	500
		Construction & workmanship Finish	IS 9763	825	990	1100
		Minimum Thickness	IS 9763	300	360	400
		Residual chlorine	IS 9763	375	450	500
		Drip proofness test	IS 9763	1125	1350	1500
		Thermal shock test	IS 9763	375	450	500
		Hydraulic pressure test	IS 9763	1125	1350	1500
		Mechanical strength characteristics	IS 9763	1050	1260	1400
3.	Domestic Gas Stove Use With LPG	General	IS 4246	225	270	300
		Materials	IS 4246	1875	2250	2500
		Design for maintenance	IS 4246	225	270	300
		Rigidity and Stability	IS 4246	225	270	300
		Workmanship & finish	IS 4246	225	270	300
		Gas Tap	IS 4246	1800	2160	2400
		Injector Jets	IS 4246	1125	1350	1500
		Burners	IS 4246	225	270	300
		Burner pan supports	IS 4246	225	270	300
		Gas soundness test	IS 4246	225	270	300
		Gas Inlet connections	IS 4246	1575	1890	2100


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 Ministry of Micro, Small & Medium Enterprises
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		Strength & Rigidity	IS 4246	225	270	300
		Gas Consumption	IS 4246	225	270	300
		Ignition & Flame travel, stability, noise control, flash back, formation of soot	IS 4246	225	270	300
		Resistance to Draught	IS 4246	225	270	300
		Combustion	IS 4246	225	270	300
		Fire Hazard & limiting temp	IS 4246	750	900	1000
		Thermal Efficiency	IS 4246	2250	2700	3000
4.	Copper alloy fancy taps,	Dimensions	IS 8931	4425	5310	5900
5.	Door Handle	Dimensions	IS 4992	1500	1800	2000
6.	Float Glass	Dimensions	IS 14900	1200	1440	1600
7.	Plastic Theological Properties	Melt Flow Rate	IS 13360 Pt 4 Sec 1	3000	3600	4000
8.	PI-AI-PI Pipes	Dimensions of Pipes	IS 15450	1275	1530	1700
9.	Rubber Hose	Dimension	IS: 447	1125	1350	1500
		Hydraulic Pressure	IS 447	1125	1350	1500
10.	Water Tank	Dimension	IS 12701	1125	1350	1500
11.	2-Way and 3-Way suction collecting heads for firefighting	Dimension	IS:904	1875	2250	2500
		Hydraulic pressure Test	IS:904	1125	1350	1500


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12.	Cast copper alloy screw down bib tap and stop valves for water services	Dimension	IS 781	2175	2610	2900
		Minimum mass	IS 781	600	720	800
		Testing (Hydraulic)	IS 781	1125	1350	1500
13.	Continuous Piano Hinges	Dimensions, General, pin, knuckle, hole, Finish	IS 3818	3975	4770	5300
14.	Couplings, Double Male and female Pattern for fire Fighting	Dimension	IS:901	2250	2700	3000
		Hydraulic pressure Test	IS:901	1125	1350	1500
15.	Disposable Razors	Dimension	IS:13973	1275	1530	1700
16.	Door Handles	Dimensions	IS 208	1275	1530	1700
17.	Fire Hose Delivery Couplings, Branch pipe, Nozzles & spanner	Dimensions	IS 903	12075	14490	16100
		Hydraulic Pressure Test	IS:903	1275	1530	1700
18.	Fire Hydrant	Dimension	IS:908	1725	2070	2300
		Hydraulic Pressure Test	IS:908	1275	1530	1700
19.	Hospital Bed	Shape & Dimensions	IS 7378	2700	3240	3600
20.	Hot Rolled steel sections for door and window and ventilators	Dimensions	IS 7452	5925	7110	7900
21.	Non Ferrous Metal Butt Hinges	Dimensions, Tolerances, General, knuckle, pin, screw holes & Finish	IS 205	1575	1890	2100
22.	Performance of handles attached to Cookware	Bending strength	IS: 13359	1125	1350	1500
		Fatigue Resistance	IS:13395	1125	1350	1500

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		Impact strength	IS:13395	1125	1350	1500
		Torque strength	IS:13395	1125	1350	1500
23.	Pressure Cooker	Air Pressure Test	IS 2347	1125	1350	1500
		Bursting Pressure Test	IS 2347	1500	1800	2000
		Capacity Test	IS 2347	600	720	800
		Test For Pressure Regulating Device	IS 2347	750	900	1000
		Proof Pressure Test	IS 2347	1125	1350	1500
		Safety Relief Device	IS 2347	750	900	1000
		Test for Removal of Lid Under Pressure	IS 2347	1125	1350	1500
		Test For Safety Pressure Relief Device	IS 2347	1125	1350	1500
		Vent Pipe	IS 2347	225	270	300
	Razors	Dimension	IS:7370	1275	1530	1700
	Safety Razor Blades	Dimension	IS:7371	1275	1530	1700
	Scissors	Dimensions	IS:989	1275	1530	1700
	Staplers	Dimension	IS:5349	1275	1530	1700
	Staples	Dimension	IS:5348	1275	1530	1700
29.	Steel butt hinges	Dimensions, Tolerances, General, knuckle, pin, screw holes & Finish	IS 1341	1950	2340	2600
	Steel Door Frames	Dimensions	IS 4351	1575	1890	2100
	Thermoplastics Pipes	Test for Opacity	IS: 12235 part	1425	1710	1900
	Tower Bolts (Ferrous)	Dimensions	IS 204 Pt-1-91	1500	1800	2000
	Tower Bolts Non ferrous	Dimensions	IS 204Pt-2-92	2325	2790	3100
	Trolley Patient	Dimensions	IS 4036	1950	2340	2600
	Twin Blade Cartridge	Dimension	IS:13031	1275	1530	1700
	Twin Blade Razor Handle	Dimension	IS:13777	1275	1530	1700
	Umbrella	Dimension	IS:2920	1275	1530	1700
	Umbrellas, Folding	Dimension	IS:10675	1275	1530	1700
	Sanitary- Squatting Pan	Dimensions	IS 2556 part 3	3150	3780	4200
	Urinals & Partition Plates	Dimensions	IS 2556 Part 6	2700	3240	3600
	Sanitary - wash basins	Dimensions	IS 2556 part 4	4800	5760	6400
	Sanitary - water closet	Dimensions	IS 2556 Part -2	4800	5760	6400

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43.	Single Use Rubber Examination Gloves	Dimensions - Thickness	IS 15354	900	1080	1200
		Water tightness	IS: 15354	375	450	500
44.	Instantaneous domestic Water heater for use with LPG	General Requirements	IS 15558	900	1080	1200
		Materials	IS 15558	1875	2250	2500
		Connection	IS 15558	225	270	300
		Flame Visibility	IS 15558	225	270	300
		gas taps	IS 15558	1800	2160	2400
		Flame failure Device	IS 15558	225	270	300
		Ignition Device	IS 15558	225	270	300
		Protection against accidental heating	IS 15558	750	900	1000
		Water rate adjuster	IS 15558	225	270	300
		Gas Soundness	IS 15558	225	270	300
		Water Sound Ness	IS 15558	225	270	300
		Thermal Efficiency	IS 15558	750	900	1000
		Combustion	IS 15558	225	270	300
		Gas Consumption	IS 15558	225	270	300
		Ignition & Flame travel	IS 15558	225	270	300
		Flame Stability	IS 15558	225	270	300
		Noise control	IS 15558	225	270	300
		Flash Back	IS 15558	225	270	300
		Resistance to Draught	IS 15558	225	270	300
		Fire Hazard	IS 15558	750	900	1000
		Time for temp. Rise	IS 15558	750	900	1000
		Hot water output	IS 15558	750	900	1000
		Marking	IS 15558	225	270	300
45.	SS sink for Domestic Purpose	Definitions	IS 13983	225	270	300
		Types	IS 13983	225	270	300
		Material	IS 13983	5250	6300	7000
		Dimension and Tolerance	IS 13983	2250	2700	3000
		Construction Workmanship	IS 13983	900	1080	1200


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		Tap holes	IS 13983	450	540	600
		Overflows	IS 13983	450	540	600
		Finish	IS 13983	225	270	300
46.	Plastic Flushing Cistern	Cistern	IS 7231	450	540	600
		Cover	IS 7231	225	270	300
		Flush Pipe & connection	IS 7231	450	540	600
		Inlet & Overflow pipe	IS 7231	450	540	600
		Operating Lever	IS 7231	225	270	300
		Overflow pipe	IS 7231	225	270	300
		Finish	IS 7231	525	630	700
		Flushing Arrangement	IS 7231	225	270	300
		Working Level	IS 7231	225	270	300
		Freedom from self Siphonage	IS 7231	225	270	300
		Reduced Water Level	IS 7231	225	270	300
		Discharge Capacity	IS 7231	525	630	700
		Discharge Rate	IS 7231	525	630	700
		Distortion Resistance	IS 7231	375	450	500
		Dead Load Test	IS 7231	375	450	500
		Front Thrust Test	IS 7231	375	450	500
		Impact Test	IS 7231	375	450	500
		Discharge Capacity Test	IS 7231	750	900	1000
		Test for Discharge Rate	IS 7231	750	900	1000
		Endurance test	IS 7231	2250	2700	3000
47.	Fire Extinguisher. Cap.-135 ltrs	Capacity	IS 14951	225	270	300
		Principle	IS 14951	225	270	300
		Shape	IS 14951	225	270	300
		General	IS 14951	225	270	300
		Body	IS 14951	225	270	300
		carrying Handle	IS 14951	225	270	300
		Neck Ring	IS 14951	225	270	300
		cap	IS 14951	225	270	300


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		Snifter Valve	IS 14951	225	270	300
		Safety Pressure release valve	IS 14951	1125	1350	1500
		Liquid level indicator	IS 14951	225	270	300
		Hose	IS 14951	450	540	600
		Foam Making Branch & Fittings	IS 14951	225	270	300
		Syphon Tube	IS 14951	225	270	300
		Wheeled Carriage	IS 14951	675	810	900
		Anti-Corrosive Treatment	IS 14951	1050	1260	1400
		Painting fire red conforming to	IS 14951	225	270	300
		A picture showing a man	IS 14951	225	270	300
		Marked with letter A or B	IS 14951	450	540	600
		shall be capable of discharging	IS 14951	675	810	900
		hydraulic pressure test	IS 14951	1125	1350	1500
48.	Coverall	Resistance to penetration by Synthetic Blood	ASTMF1670	2625	3150	3500
49	FRP manhole cover	Load test	EN 124-1-2015	1875	2250	2500
ADDITIONAL TEST FACILITIES AVAILABLE AT MSME-TC, KOLKATA						
1.	Hot Rolled steel sections for door and window & ventilators	Mass	IS 7452	300	360	400
2.	Ceiling Fan	Dimension	IS 374	2325	2790	3100
		Visual	IS 374	1425	1710	1900
		Mass	IS 374	450	540	600
3.	Table/ Pedestal Fan	Dimension	IS 555	2325	2790	3100
		Visual	IS 555	1875	2250	2500
		Mass	IS 555	450	540	600
4.	Shallow Hand Pump	Dimension	IS 8035	2850	3420	3800
		Hydraulic Test	IS 8035	1875	2250	2500


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		Discharge Test	IS 8035	1425	1710	1900
		Visual Inspection	IS 8035	1425	1710	1900
5.	Cylindrical Type Pump	Dimension	IS 15500 (Pt. 2)	4725	5670	6300
		Hydraulic Test	IS 15500 (Pt. 2)	1875	2250	2500
		Discharge Test	IS 15500 (Pt. 2)	1425	1710	1900
		Visual Inspection	IS 15500 (Pt. 2)	1425	1710	1900
6.	Gland Packing	Dimension	IS 5414	975	1170	1300
		Weight	IS 5414	300	360	400
		Visual Inspection	IS 5414	450	540	600
7.	Fire Extinguisher, CO2Type	Dimension	IS 2878	975	1170	1300
		Leakage Test	IS 2878	450	540	600
		Intermittent Test	IS 2878	975	1170	1300
		Performance	IS 2878	1125	1350	1500
		Visual Inspection	IS 2878	450	540	600
8.	Fire Extinguisher Cartridge	Visual Inspection	IS 4947	450	540	600
		Hydraulic Test	IS 4947	975	1170	1300
		Hydraulic Test	IS 4947	1125	1350	1500
		Dimension	IS 4947	450	540	600
9.	Rubber Washer/ Gasket	Dimension	IS 937	975	1170	1300
		Visual Inspection	IS 937	450	540	600
10.	Aluminum Terminal End	Dimension	IS 8309	975	1170	1300
		Visual Inspection	IS 8309	450	540	600
11.	Hose Relay	Hydraulic Pressure Test	IS 554	1425	1710	1900
		Dimension	IS 554	975	1170	1300
		Visual Inspection	IS 554	450	540	600
12.	Bomb Calorimeter	Pressure test (300 atmospheric)		2850	3420	3800
13.	Gas Operated Relay	Porosity Test	IS 3637	975	1170	1300
		Element Test	IS 3637	975	1170	1300
		Mech. Strength test	IS 3637	975	1170	1300
		Continuity Test	IS 3637	975	1170	1300


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		Velocity Test	IS 3637	975	1170	1300
		Gas Vol. Test	IS 3637	975	1170	1300
		Leakage Test	IS 3637	975	1170	1300
		Enclosure Test	IS 3637	975	1170	1300
		UV Test	IS 3637	1425	1710	1900
		IP 65/67 Test	IS 3637	1875	2250	2500
		Routine Test	IS 3637	1875	2250	2500
		Type Test	IS 3637	1875	2250	2500
		Environment Test	IS 3637	1875	2250	2500
		Vibration Test	IS 3637	975	1170	1300
		Rapid Pressure Relay	IS 3637	5625	6750	7500
14.	Portable Fire Extinguisher	Dimension/Capacity	IS 15683	750	900	1000
		Test pressure	IS 15683	1125	1350	1500
		Bursting Pressure	IS 15683	1500	1800	2000
		Discharge Time/Bulk	IS 15683	750	900	1000
		Resistance to Impact	IS 15683	1500	1800	2000
		Vibration Test	IS 15683	1125	1350	1500
		Corrosion Test	IS 15683	1125	1350	1500
		Tapping Test	IS 15683	1125	1350	1500
		Intermittent Test	IS 15683	1125	1350	1500
		Performance Test Class A	IS 15683	7500	9000	10000
		Performance Test Class B	IS 15683	8475	10170	11300
		Crushing Test	IS 15683	1125	1350	1500
		Pressure Cycling Test	IS 15683	1125	1350	1500
		Colour and Visual test	IS 15683	750	900	1000
15.	Fire Extinguisher (Dry Powder)	Dimension	IS 2171	975	1170	1300
		Visual	IS 2171	450	540	600
		Expansion Space Test	IS 2171	450	540	600
		Hydro Pressure Test	IS 2171	1425	1710	1900
		Performance	IS 2171	1425	1710	1900
		Mechanical Failure Test	IS 2171	975	1170	1300
16.	Fire Extinguisher (Mechanical type)	Dimension	IS 10204	975	1170	1300
		Visual	IS 10204	450	540	600


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		Hydro Pressure Test	IS 10204	450	540	600
		Performance	IS 10204	1425	1710	1900
		Mechanical Failure Test	IS 10204	1425	1710	1900
		Painting & Marking Test	IS 10204	975	1170	1300
17.	Fire Extinguisher (Water type)	Dimension	IS 940	975	1170	1300
		Visual	IS 940	450	540	600
		Expansion Space Test	IS 940	450	540	600
		Hydro Pressure Test	IS 940	975	1170	1300
		Performance	IS 940	1125	1350	1500
		Mechanical Failure Test	IS 940	975	1170	1300
18.	Hydrant Stand Post type	Dimension	IS 909	975	1170	1300
		Visual	IS 909	450	540	600
		Hydrostatic test	IS 909	1425	1710	1900
19.	Branch Pipe Universal for Fire Fighting	Dimension	IS 2871	1425	1710	1900
		Visual Inspection	IS 2871	450	540	600
		Hydrostatic test	IS 2871	1425	1710	1900
		Performance	IS 2871	975	1170	1300
20.	LPG Cylinder	Dimension	IS 3196 (Pt. I)	975	1170	1300
		Capacity	IS 3196 (Pt. I)	450	540	600
		Visual	IS 3196 (Pt. I)	450	540	600
		Hydrostatic Test	IS 3196 (Pt. I)	975	1170	1300
		Pneumatic Leakage Test	IS 3196 (Pt. I)	975	1170	1300
		Drop test	IS 3196 (Pt. I)	975	1170	1300
		Handle Pull test	IS 3196 (Pt. I)	975	1170	1300
		Hydrostatic Stretch Test	IS 3196 (Pt. I)	1425	1710	1900
		Bursting Pressure Test	IS 3196 (Pt. I)	1875	2250	2500
21.	Drum Large Fixed End	Volume Capacity	IS 1783 (Pt. I & II)	450	540	600
		Visual Inspection	IS 1783 (Pt. I & II)	450	540	600
		Hydraulic Pressure test	IS 1783 (Pt. I & II)	975	1170	1300
		Pneumatic Leakage Test	IS 1783 (Pt. I & II)	975	1170	1300
		Drop Test	IS 1783 (Pt. I & II)	1875	2250	2500

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22.	Drum Large Open Top	Dimension test	IS 1783 (Pt. I & II)	1425	1710	1900		
		Volume Capacity	IS 13997	450	540	600		
		Visual Inspection	IS 13997	450	540	600		
		Leakage Test	IS 13997	975	1170	1300		
		Dimension test	IS 13997	1425	1710	1900		
23.	Bitumen Drum	Volume Capacity	IS 3575	450	540	600		
		Visual Inspection	IS 3575	450	540	600		
		Dimension test	IS 3575	1125	1350	1500		
		Air Pressure Test	IS 3575	1425	1710	1900		
		Dimension	IS 1783	450	540	600		
25.	Non Pressure Stove	Dimension	IS 2980	975	1170	1300		
		Hydro Pressure Test	IS 2980	975	1170	1300		
		Volume Capacity	IS 2980	450	540	600		
		Thermal Efficiency	IS 2980	975	1170	1300		
		Flame Stability	IS 2980	450	540	600		
		Surface Temp.	IS 2980	450	540	600		
		Fuel Temp.	IS 2980	450	540	600		
		Compressive Test	IS 2980	450	540	600		
		26.	Cast Iron Double Flanged Pipe	Dimension	IS 7181	975	1170	1300
				Visual	IS 7181	450	540	600
Hydrostatic Test	IS 7181			1425	1710	1900		
Hammer Test	IS 7181			300	360	400		
Straightness Test	IS 7181			300	360	400		
Mass	IS 7181			450	540	600		
27.	Hollow Section of Pipe	Dimension	IS 4923	975	1170	1300		
		Visual	IS 4923	450	540	600		
		Straightness	IS 4923	675	810	900		
		Squareness	IS 4923	675	810	900		
28.	Steel Tubes for Idlers for Belt Conveyors	Dimension	IS 9295	975	1170	1300		
		Visual	IS 9295	450	540	600		
		Hydrostatic Test	IS 9295	1425	1710	1900		

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29.	Hexagonal Bolts/Screws	Dimension	IS 1363 (Pt I & III)	975	1170	1300
		Visual	IS 1363(Pt I & III)	450	540	600
30.	MS Pipe	Dimension	IS 2062	1425	1710	1900
		Weight	IS 2062	450	540	600
		Visual	IS 2062	450	540	600
31.	MS Tubes, Tubular & Other Steel Fittings	Visual	IS 1239 Pt. I	450	540	600
		Dimension	IS 1239 Pt. I	975	1170	1300
		Hydraulic Test	IS 1239 Pt. I	1425	1710	1900
		Mass	IS 1239 Pt. I	450	540	600
		Bending Test	IS 1239 Pt. I	675	810	900
32.	MS Tubes, Tubular & Other Steel Fittings	Dimension	IS 1239 Pt. II	975	1170	1300
		Hydraulic Test	IS 1239 Pt. II	1425	1710	1900
		Mass	IS 1239 Pt. II	450	540	600
		Visual	IS 1239 Pt. II	450	540	600
33.	Detachable Joint for Asbestos Cement Pipe	Dimension	IS 8794	975	1170	1300
		Hydraulic Test	IS 8794	1425	1710	1900
		Mass	IS 8794	450	540	600
		Hammer Test	IS 8794	300	360	400
		Visual	IS 8794	450	540	600
34.	Cast Iron Manhole Covers & Frames	Dimension	IS 1726	1425	1710	1900
		Visual	IS 1726	450	540	600
		Mass	IS 1726	450	540	600
35.	CI Step for Manhole Cover	Dimension	IS 5455	1425	1710	1900
		Visual	IS 5455	450	540	600
36.	Cast Iron Special for Mechanical & Push on Flexible Joints	Dimension	IS 13382	975	1170	1300
		Visual	IS 13382	450	540	600
		Hydrostatic Test	IS 13382	1425	1710	1900
		Mass	IS 13382	450	540	600
37.	Centrifugal CI Pressure Pipes	Dimension	IS 1536	1425	1710	1900


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		Visual	IS 1536	450	540	600
		Hydrostatic Test	IS 1536	2325	2790	3100
		Straightness	IS 1536	450	540	600
		Mass	IS 1536	450	540	600
38.	Vertical CI Pressure Pipe	Dimension	IS 1537	1875	2250	2500
		Visual	IS 1537	450	540	600
		Hydrostatic Test	IS 1537	1875	2250	2500
		Straightness	IS 1537	450	540	600
		Mass	IS 1537	450	540	600
39.	CI Fittings for Pressure Pipes	Dimension	IS 1538	975	1170	1300
		Visual	IS 1538	450	540	600
		Hydrostatic Test	IS 1538	1875	2250	2500
		Mass	IS 1538	675	810	900
40.	DI Pressure Pipes	Visual	IS 8329	450	540	600
		Dimension	IS 8329	2850	3420	3800
		Hydrostatic Test	IS 8329	2850	3420	3800
		Ovality	IS 8329	675	810	900
		Straightness	IS 8329	675	810	900
		Thickness of Cement Lining	IS 8329	450	540	600
41.	CI Soil Pipe & Fittings	Visual	IS 3989	450	540	600
		Dimension	IS 3989	975	1170	1300
		Hydrostatic Test	IS 3989	975	1170	1300
		Hammer Test	IS 3989	225	270	300
		Mass	IS 3989	225	270	300
42.	Steel Pipe for Water	Visual	IS 3589	450	540	600
		Dimension	IS 3589	975	1170	1300
		Hydrostatic Test	IS 3589	450	540	600
		Straightness	IS 3589	375	450	500
		Mass	IS 3589	450	540	600
43.	Steel Tubes for Structural	Visual	IS 1161	675	810	900
		Dimension	IS 1161	1425	1710	1900


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		Hydrostatic Test	IS 1161	1425	1710	1900
		Ovality	IS 1161	675	810	900
		Thickness of Cement Lining	IS 1161	450	540	600
44.	Resilient Seated CI Air Relief Valve	Visual	IS 14845	600	720	800
		Hydrostatic Test	IS 14845	1875	2250	2500
		Pneumatic Pressure Test	IS 14845	1875	2250	2500
		Dimension	IS 14845	975	1170	1300
45.	MS Conduit Pipe & Fittings	Visual	IS 9537	450	540	600
		Dimension	IS 9537	1425	1710	1900
		Compression	IS 9537	975	1170	1300
		Bending	IS 9537	450	540	600
46.	Landing Valve	Visual Inspection	IS 5290	450	540	600
		Water Tightness	IS 5290	1500	1800	2000
		Hydrostatic Pressure Test	IS 5290	1875	2250	2500
		Flow Test	IS 5290	2850	3420	3800
		Dimension	IS 5290	1875	2250	2500
		Blank Cap Dimension	IS 5290	975	1170	1300
48	Steel Window/ Ventilator/ Door	Dimension	IS 1038	1425	1710	1900
		Visual	IS 1038	1875	2250	2500
49	C.I. Sluice Valve	Visual	IS 14846	675	810	900
		Hydraulic Pressure Test	IS 14846	2850	3420	3800
		Dimension	IS 14846	975	1170	1300
50	Swing Check Type Reflux Valve	Visual	IS 5312	675	810	900
		Hydraulic Pressure Test	IS 5312	1875	2250	2500
		Dimension	IS 5312	975	1170	1300
51	Foot Valve	Visual	IS 4038	450	540	600
		Hydraulic Pressure Test	IS 4038	1875	2250	2500
		Dimension	IS 4038	975	1170	1300
Mechanical Calibration Charges						
52.	Vernier Caliper (Analog/Dial/Digital)	0 -150 mm		1200	1440	1600


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		0 -200 mm	1200	1440	1600
		0 -300 mm	1275	1530	1700
		0 -600 mm	1725	2070	2300
		0 -1000 mm	2175	2610	2900
53.	Vernier Height Gauge	0 -300 mm	1500	1800	2000
		350 -600 mm	1950	2340	2600
		Above 600	2700	3240	3600
54.	Vernier Depth Gauge	0 -300 mm	1275	1530	1700
		350 -600 mm	3300	3960	4400
		Above 600	4725	5670	6300
55.	Gear Tooth Vernier	0 -150 mm	2100	2520	2800
		0 -200 mm	1425	1710	1900
		0 -300 mm	1875	2250	2500
56.	Micrometer Analog	0-25 mm	1200	1440	1600
		0-50 mm	1275	1530	1700
		0-100 mm	1425	1710	1900
		100-600 mm	1500	1800	2000
		Extension Rod each	375	450	500
57.	Micrometer Digital Type	0-25 mm	1200	1440	1600
		0-50 mm	1275	1530	1700
		0-100 mm	1425	1710	1900
58.	Micrometer Inside	0-25 mm	1350	1620	1800
		50-100 mm	1650	1980	2200
59.	Dial Indicator	0-5 mm	1125	1350	1500
		5-10 mm	1425	1710	1900
		Above 10 mm	1800	2160	2400
60.	Linear Scale/Steel tape	0-300 mm	675	810	900
		300-600 mm	825	990	1100
		600-1000 mm	975	1170	1300
		Above 1000 mm	900	1080	1200
61.	Measuring Tape	Up to 2 meter	1050	1260	1400
		Above 2 meters upto 5 meter	1575	1890	2100
		Above 5 meter upto 10 meters	2100	2520	2800
		Above 10 meter	2625	3150	3500
		Above 30 - 50 meters	3450	4140	4600

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62.	Try Square	90 °		975	1170	1300
63.	Thread Measuring wire set	Per set		1050	1260	1400
64.	Torque Wrench	1-50 kgcm		1350	1620	1800
		361.65 Lbft.		0	0	
		50-2000 kgcm		1650	1980	2200
		1446.6 Lbft.		0	0	
		2000-10000 kgcm		2100	2520	2800
		7233 Lbft.		0	0	
65.	Pressure Gauge	0-100 kg/cm ²		975	1170	1300
		0-200 kg/cm ²		1125	1350	1500
		0-400 kg/cm ²		1275	1530	1700
		0-1000 kg/cm ²		1500	1800	2000
66.	Tensile Testing Machine	0-2.5 KN		3750	4500	5000
		2.5-100 KN		4725	5670	6300
		100-500 KN		5625	6750	7500
		500-800 KN		6600	7920	8800
		800-1000 KN		9375	11250	12500
		1000-2000 KN		16425	19710	21900
67.	Hardness Testing Machine	Rockwell		4725	5670	6300
		Vickers		4725	5670	6300
		Brinell		4725	5670	6300
68.	Compound Gauge	--		1800	2160	2400
69.	Vacuum Gauge	0 to (-700 mmHg)		1425	1710	1900
70.	Bore Dial Gauge	0-100 mm		1425	1710	1900
		Upto 200 mm		2325	2790	3100
71.	Slip gauge	112 Pcs		20175	24210	26900
		Per Unit		375	450	500
72.	Filler Gauge	Per strip Per Set		450	540	600
		Per Strip		150	180	200
73.	Go-No Go Gauge	Gauge with 2 Dimension		975	1170	1300
		No Go Gauge		975	1170	1300
74.	Bevel Protractor	--		1650	1980	2200
75.	Angle Protractor	Combination Set		1950	2340	2600


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76.	Proving Ring/ Dynamometer/ Load Cell (upto 500KN Capacity)	Performance Verification		5625	6750	7500
77.	Proving Ring/ Dynamometer/ Load Cell (upto 1000KN Capacity)	Performance Verification		7500	9000	10000
78.	Unidirectional Abration Testing Machine	Performance Verification		3750	4500	5000
79.	Pin Hole Testing machine	Performance Verification		3750	4500	5000
80.	Cut Throw Testing Machine	Performance Verification		3750	4500	5000
81.	Elongation Testing Machine	Performance Verification		3750	4500	5000
82.	Panel Length Gauge	Performance Verification		9375	11250	12500
83.	Panel Height Gauge	Performance Verification		3975	4770	5300
84.	Panel Diagonal Gauge	Performance Verification		4725	5670	6300
85.	Gauge for CR CTP to CTP	Performance Verification		3975	4770	5300
86.	Gauge CR Bracing to Bracing	Performance Verification		3975	4770	5300
87.	Gauge for CR I Bracing toCTP	Performance Verification		4725	5670	6300
88.	Frame Bracing Length Gauge	Performance Verification		3975	4770	5300
89.	Frame Bracing Height Gauge	Performance Verification		3975	4770	5300
90.	Frame Bracing Diagonal Gauge	Performance Verification		4725	5670	6300
91.	Transom Length Gauge	Performance Verification		9375	11250	12500
92.	Transom Centre Gauge	Performance Verification		4725	5670	6300
93.	Gauge for Frame Bracing EW	Performance Verification		3975	4770	5300
94.	Gauge for Launching Link BB-65	Performance Verification		3975	4770	5300


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95.	Raker Gauge	Performance Verification		3975	4770	5300
96.	New Design Panel length Gauge	Performance Verification		9375	11250	12500
97.	New Design Panel Height Gauge	Performance Verification		3975	4770	5300
98.	New Design Panel Diagonal Gauge	Performance Verification		4725	5670	6300
99.	Pressure Calibrator/ Dead Weight Tester Upto 600 Kg/cm ²	Performance Verification		4725	5670	6300
100.	Dual Range Dead Weight Tester	Performance Verification		5625	6750	7500
101.	Pressure Transmitter with Digital Indicator	Performance Verification		2850	3420	3800
102.	Cylindrical Square	Performance Verification		1875	2250	2500
103.	Torque Wrench tester	Performance Verification		6075	7290	8100
104.	Torque Multipliers	Performance Verification		2325	2790	3100
105.	Angle Gauge Set	Performance Verification		4200	5040	5600
106.	Surface Plate	upto 500mm		2025	2430	2700
		Above 500mm upto 1000mm		3975	4770	5300
		Above 1000mm		5325	6390	7100
107.	Glass scale	Upto 500 mm		4350	5220	5800
108.	Cylindrical Ring Gauge	Plane		750	900	1000
109.	Cylindrical Plug Gauge	(Plane)		750	900	1000
110.	Taper Plug/ Ring Gauge	(Plane)		1050	1260	1400
111.	Spirit Level			1650	1980	2200
112.	V-Block			2025	2430	2700
113.	Standard Test Sieve			2025	2430	2700

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114.	Straightness of Pipe			1050	1260	1400
115.	Snap Gauge			750	900	1000
116.	Surface roughness std. specimen per parameter.			2625	3150	3500
117.	Thickness Foils Per Piece			300	360	400
118.	Feeler gauge Per Leaf			300	360	400
119.	Calibration Charges per dimensions			750	900	1000


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Sl. No.	Test Facility Product/ Material for test	Specific tests performed	Clause	Indian Standard Specifications /Parameters	IS Part	Year	Final Test Charges			
							Micro (25% Dis)	Small (10% Dis)	Medium & Non MSME	
1	2	3	4	5	6	7	8	9	10	11
1	Cement	Setting time	IS:269					1350	1620	1800
2		Soundness (Le- Chetelier)	IS:269 811212269					1575	1890	2100
3		Fineness (Blain air permeability)	IS:269 811212269					1200	1440	1600
4		(i) Compressive Strength 3/7 days	IS:269 811212269					2475	2970	3300
5		(ii) - do - 28 days	IS:269 811212269					2475	2970	3300
6		Chemical analysis of cement	IS:269 811212269					4650	5580	6200
7	Interlocking Pavers	Compressive strength	IS:15622-2006					2475	2970	3300
8		Water absorption	IS:15622-2006					1425	1710	1900
9	Plasticizer (Admixture)	Dry Material Content	IS:9103 Cl.9 - 1999					900	1080	1200
10		Ash Content	IS:9103 Cl.9 -					900	1080	1200
11		Relative Density	IS:9103 Cl.9 -					750	900	1000
12		pH	IS:9103 Cl.9 -					675	810	900
13	Water for construction	As per clause 5.4	IS:456 -2000					3075	3690	4100
14	Laundry Soap	Total Fatty Matter (TFM)	IS: 285-1992					1050	1260	1400
15		Alcohol insoluble	IS: 285-1992					825	990	1100
16		Unsaponified Fatty matter	IS: 285-1992					900	1080	1200
17		Glycerol	IS: 285-1992					825	990	1100
18		Rosin Acids	IS: 285-1992					825	990	1100

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19		Titer of total fatty acids	IS: 285-1992				825	990	1100
20		Free Caustic alkali	IS: 285-1992				750	900	1000
21		Chlorides, as NaCl	IS: 285-1992				750	900	1000
22		Moisture Content	IS: 285-1992				750	900	1000
23		Matter insoluble in alcohol	IS: 285-1992				750	900	1000
24		LSD/NSD content	IS: 285-1992				750	900	1000
25	Detergent Powder	Active ingredient	IS: 4955-2001				1050	1260	1400
26		Matter insoluble in water	IS: 4955-2001				750	900	1000
27		PH/ Active alkalinity	IS: 4955-2001				750	900	1000
28		Total Phosphate	IS: 4955-2001				750	900	1000
29		Sieve test	IS: 4955-2001				750	900	1000
30	Syn. Detergent for Woolen & Silk fabrics	As per table No. 1	IS:9458-1994				3150	3780	4200
31	Scoring powder	As per table No. 1	IS:6047-2009				3150	3780	4200
32	Detergent, house hold (Bar/Cake)	As per table No. 1	IS:8180-1992				3450	4140	4600
33	Synthetic detergent (Industrial)	As per table No. 1	IS: 4956-2006				3150	3780	4200
34	Toilet Soap	As per table No. 1	IS:2888-2004				3900	4680	5200
35	Toilet Soap, Liquid	As per IS: 4199-2001	IS: 4199-2001				3900	4680	5200
36		Keeping property	IS: 4199-2001				4125	4950	5500
37	Soft Soap	Description, consistency, As per table No. 1	IS:7532-1974				3900	4680	5200
38		Keeping Property	IS:7532-1974				4125	4950	5500

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39	Paints & Varnishes	Drying time	IS: 101				675	810	900
40		Consistency	IS: 101				600	720	800
41		Colour	IS: 101				600	720	800
42		Residue on sieve	IS: 101				675	810	900
43		Water content	IS: 101				675	810	900
44		Hardness / Flexibility	IS: 101				675	810	900
45		Resistance to Bleeding	IS: 101				750	900	1000
46		Flash point (Abel)	IS: 101				675	810	900
47		Mass in kg/10 lit.	IS: 101				600	720	800
48		Volatile/Non-Volatile matter	IS: 101				750	900	1000
49		Resistance to sea water	IS: 101				900	1080	1200
50		Lead restriction/freedom from Lead	IS: 101				825	990	1100
51		Resistance to chemical	IS: 101				825	990	1100
52		Resistance to heat	IS: 101				750	900	1000
53		Resistance to water	IS: 101				675	810	900
54		Fineness of grinding	IS: 101				675	810	900
55		Resistance to dry rubbing	IS: 101				600	720	800
56		Scratch hardness test	IS: 101				675	810	900
57		Gloss (60/45 deg.), Each test	IS: 101				675	810	900
58		Adhesion / Flexibility test	IS: 101				675	810	900

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59		Protection against corrosion under condensation condition 7 days	IS: 101				3975	4770	5300
60		Phthalic anhydride content	IS: 101				900	1080	1200
61		Volume solids	IS: 101				825	990	1100
62		Accelerated storage stability test (60°C for 96 hrs.)	IS: 101				1800	2160	2400
63	Cement Paint	As per Table-1 except fastness to light	IS-5410-1992				4950	5940	6600
64	Dry Distemper	As per Table-1 except fastness to light	IS-427 -2005				5100	6120	6800
65	Washable Distemper	As per Table-1 except fastness to light	IS-427 -2000				5100	6120	6800
66	Enamel paint (under coat),	As per IS:133-2009	IS:133-2009				6900	8280	9200
67		Keeping property	IS:133-2009				5325	6390	7100
68	R.M. Paint Road Marking,	As per table 1 except wear test	IS:164-1981				8100	9720	10800
69		Keeping property	IS:164-1981				6600	7920	8800
70	R.M. Paint air drying (General)	As per table 1 except pressure test & fastness to light	IS:168-1993				5850	7020	7800
71		Keeping property	IS:168-1993				4275	5130	5700
72	R.M. Paint (Red oxide / Zinc chrome)	As per IS:2074-1992	IS:2074-1992				5850	7020	7800
73		Keeping property	IS:2074-1992				4275	5130	5700

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74	R.M. Paint (Red oxide / Zinc phosphate)	As per IS 12744 : 1989	IS 12744 : 1989				5850	7020	7800
75		Keeping property	IS 12744 : 1989				4275	5130	5700
76	Syn. Enamel; Ext. under coat,	As per IS :2932	IS:2932-2003				17100	20520	22800
77		Keeping property	IS:2932-2003				4275	5130	5700
78	Syn. Exterior finishing, including weathering	As per IS :2933-1975	IS:2933-1975				29550	35460	39400
79		Keeping property	IS:2933-1975				6675	8010	8900
80	Shoe polish paste	Keeping property	IS:1746-1992				5325	6390	7100
81		Odour	IS:1746-1992				750	900	1000
82		Colour	IS:1746-1992				750	900	1000
83		Consistency	IS:1746-1992				750	900	1000
84		Applicability	IS:1746-1992				750	900	1000
85		Colour of Water extract	IS:1746-1992				750	900	1000
86		Softening Point	IS:1746-1992				750	900	1000
87		Ash Content	IS:1746-1992				750	900	1000
88		pH	IS:1746-1992				750	900	1000
89		Distillation Range	IS:1746-1992				750	900	1000
90		Non-Volatile Matter	IS:1746-1992				750	900	1000
91		Flash Point	IS:1746-1992				750	900	1000
92		Ooze Test	IS:1746-1992				750	900	1000
93	Metal polish	As per IS:5487-1992	IS:5487-1992				5325	6390	7100
94		Keeping property	IS:5487-1992				5325	6390	7100
95	Paper	G.S.M. single sheet	IS:1060-2004				675	810	900
96	Paint Brush	As per IS:384-2002	IS:384-2002				3975	4770	5300

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97	Unplasticized PVC Pipes for Potable Water	Reversion Test (Cl. No. 6.4)	As per IS:4985- 2000				1500	1800	2000
98		Vicat Softening Point (Cl. No. 6.5)	As per IS:4985- 2000				750	900	1000
99		Density (Cl. No. 6.6)	As per IS:4985- 2000				750	900	1000
100		Sulphated Ash	As per IS:4985-				750	900	1000
101		Hydrostatic characteristics (Cl. No. 7.1) Acceptance Test Type test	As per IS:4985- 2000				750	900	1000
102		Impact test	As per IS:4985	--	--		750	900	1000
103		Effect on Water	As per IS:4985	--	--		3750	4500	5000
104		COMPLETE TEST	As per IS:4985				15000	18000	20000
105	U.P.V.C. Pipes for soil and waste discharge (S.W.R.)	Dia. & wall thickness of pipe (Cl. No.7.1)	As per IS:13592- 1992				750	900	1000
106		Wall thickness of sockets (Cl. No., 7.3.1)	As per IS:13592- 1992				750	900	1000
107		Grooved Socket Dimensions (Cl.No.7.3.2)	As per IS:13592- 1992				750	900	1000
108		Visual Appearance (Cl.No.8.1)	As per IS:13592- 1992				750	900	1000
109		Reversion Test	As per IS:13592-				750	900	1000
110		(Cl.No.8.2)	1992				0	0	
111		Stress Relief Test (Cl.No.8.3)	As per IS:13592- 1992				750	900	1000
112		Vicat Softening Test (Cl.No.8.4)	As per IS:13592- 1992				750	900	1000
112		Effect Of Sun-Light (Cl.No.8.5)	As per IS:13592- 1992				750	900	1000

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113		Resistance To Sulphuric Acid (Cl.No.9)	As per IS:13592-1992				750	900	1000
114		Impact Strength (Cl. No.10.1)	As per IS:13592-1992				750	900	1000
		COMPLETE TEST	As per IS:13592-1992				6000	7200	8000
115	U.P.V.C. Pipes For Use In Suction &	Dimensions (Cl. No.2.1)	As per IS:12231-1987				750	900	1000
116	Delivery Lines Of Agricultural Pump Sets	Visual Appearance (Cl No..6.1)	As per IS:12231-1987				750	900	1000
117		Opacity (Cl. No. 6.2)	As per IS:12231-1987				750	900	1000
118		Reversion Test (Cl. No. 6.4)	As per IS:12231-1987				750	900	1000
119		Resistance To Sulphuric Acid (Cl. No. 6.5)	As per IS:12231-1987				750	900	1000
120		Hydrostatic Characteristics (Cl. No. 7.1) Type Test Acceptance Test	As per IS:12231-1987				750	900	1000
121		Impact Strength (Cl. No.7.1)	As per IS:12231-1987				750	900	1000
122		Effect of Sun-Light (Cl. No. 8.1)	As per IS:12231-1987				750	900	1000
		COMPLETE TEST	As per IS:12231-1987				11250	13500	15000
123	P.V.C. Conduits Pipe For Electrical Installation	Marking (Cl. No.6)	As per IS:9537(Part-3)-1983				750	900	1000
124		Dimensions (Cl.No.7.1)	As per IS:9537(Part-3)-				2250	2700	3000
125		Wall Thickness (Cl.No.7.4)	As per IS:9537(Part-3)-				750	900	1000

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126		Construction (Cl.No.8.1)	As per IS:9537(Part-3)-				750	900	1000
127		Bending Test (Cl.No.9.2)	As per IS:9537(Part-3)-				750	900	1000
128		Compression Test (Cl.No.9.3)	As per IS:9537(Part-3)-				750	900	1000
129		Impact Test (Cl.No.9.4)	As per IS:9537(Part-3)-				1500	1800	2000
130		Collapse Test (Cl.No.9.5)	As per IS:9537(Part-3)-				750	900	1000
131		Resistance To Heat (Cl.No.10)	As per IS:9537(Part-3)-				750	900	1000
132		Resistance to Burning (Cl.No.11)	As per IS:9537(Part-3)- 1983				750	900	1000
133		Electrical Characteristics (Cl.No.11)	As per IS:9537(Part-3)- 1983				2250	2700	3000
134		COMPLETE TEST	As per IS:9537(Part-3)-				10500	12600	14000
135	Fittings For Non- Metallic Conduits	Dimensions (Cl.No.6)	As per IS:3419- 1988				1500	1800	2000
136		Visual Examination (Cl.No.8)	As per IS:3419- 1988				750	900	1000
137		Resistance To Heat (Cl.No.10)	As per IS:3419- 1988				750	900	1000
138		Resistance To Burning (Cl.No.11)	As per IS:3419- 1988				750	900	1000
139		Moisture Absorption Test (Cl.No.12)	As per IS:3419- 1988				750	900	1000
140		Resistance To Chemical Action (Cl.No.13)	As per IS:3419- 1988				750	900	1000
141		Copper Test (Cl.No.14)	As per IS:3419- 1988				750	900	1000

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142		Resistance To Oil Test (Cl.No.15)	As per IS:3419-1988			750	900	1000
143		Resistance To Impact (Cl. No.16)	As per IS:3419-1988			750	900	1000
144		Electrical characteristics (Cl.No.17)	As per IS:3419-1988			2250	2700	3000
145		COMPLETE TEST	As per IS:3419-1988			7500	9000	10000
146	HDPE Pipes For Water Supply	Dimensions (Cl.No.6)	As per IS:4984-1995	--	--	1500	1800	2000
147		Visual Appearance (Cl.No.7)	As per IS:4984-1995	--	--	750	900	1000
148		Density (Cl.No.8.4)	As per IS:4984-1995	--	--	750	900	1000
149		Melt Flow Rate (Cl.No.8.5)	As per IS:4984-1995	--	--	750	900	1000
150		Carbon Black Contents &Dispersion (Cl.No.8.6)	As per IS:4984-1995	--	--	1500	1800	2000
151		Reversion Test (Cl.No.8.2)	As per IS:4984-1995			750	900	1000
152		Hydraulic cl.8.1 type test	As per IS:4984-1995			3750	4500	5000
153		Acceptance	As per IS:4984-			750	900	1000
154		Over All Migration Test (Cl. No. 8.3)	As per IS:4984-1995			750	900	1000
155		COMPLETE TEST	As per IS:4984-1995			10500	12600	14000
156	HDPE Pipes for Sewerage	Dimensions (Cl. No. 6)	As per IS:14333-1996			1500	1800	2000
157		Visual Appearance (Cl.No.7)	As per IS:14333-1996			750	900	1000

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158		Density (Cl.No.8.3)	As per IS:14333-1996			750	900	1000
159		Melt Flow Rate (Cl.No.8.4)	As per IS:14333-1996			750	900	1000
160		Carbon Black Contents &Dispersion (Cl.No.8.5)	As per IS:14333-1996			1500	1800	2000
161		Reversion Test (Cl.No.8.2)	As per IS:14333-1996			750	900	1000
162		Hydraulic Characteristics type test	As per IS:14333-1996			3750	4500	5000
163		Hydraulic Characteristics Acceptance	As per IS:14333-1996			750	900	1000
164		COMPLETE TEST	As per IS:14333-1996			9000	10800	12000
165	P.E. Pipes for irrigational laterals	Dimensions (Cl.No.5)	As per IS:12786-1989			750	900	1000
166		Visual Appearance (Cl.No.6)	As per IS:12786-1989			750	900	1000
167		Toluene Extract (Cl.No.4.1)	As per IS:12786-1989			750	900	1000
168		Maximum Volatile Matter (Cl.No.4.1)	As per IS:12786-1989			750	900	1000
169		Carbon Black Contents &Dispersion (Cl.No.4.1)	As per IS:12786-1989			1500	1800	2000
170		Reversion Test (Cl.No.7.2)	As per IS:12786-1989			750	900	1000
171		Hydraulic Characteristics:- (Cl.No.8.1)	As per IS:12786-1989			3375	4050	4500


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172		Tensile & Elongation Test (Cl.No.7.3)	As per IS:12786-1989				750	900	1000
173		Environment Stress Crack Resistance (Cl.No.7.4)	As per IS:12786-1989				1500	1800	2000
174		COMPLETE TEST	As per IS:12786-1989				10500	12600	14000
175	P.E. Pipe for sprinkler irrigational system	Dimensions (Cl.No.5)	As per IS:14151(Part-1)-1999				1500	1800	2000
176		Visual Appearance (Cl.No.6)	As per IS:14151(Part-1)-1999				750	900	1000
177		Density(Cl.No.4.1)	As per IS:14151(Part-1)-1999				750	900	1000
178		Melt Flow Rate (Cl.No.4.1)	As per IS:14151(Part-1)-1999				750	900	1000
179		Carbon Black Contents & Dispersion (Cl.No.4.1)	As per IS:14151(Part-1)-1999				1500	1800	2000
180		Reversion Test (Cl.No.7.2)	As per IS:14151(Part-1)-1999				750	900	1000
181		Hydraulic Characteristics:- (Cl.No.8.1)	As per IS:14151(Part-1)-1999				2250	2700	3000
182		Tensile & Elongation Test (Cl.No.7.3)	As per IS:14151(Part-1)-1999				1500	1800	2000
183		Fusion Compatibility Test (Cl.No.7.4)	As per IS:14151(Part-1)-1999				1500	1800	2000
184		COMPLETE TEST	As per IS:14151(Part-1)-1999				7500	9000	10000


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185	P.E. Pipe for sprinkler irrigational system	Cl.No.3	IS:14151(Pt-2)				7500	9000	10000
186		Cl.No.4.2	IS:14151(Pt-2)				2250	2700	3000
187		Cl.No.4.4	IS:14151(Pt-2)				750	900	1000
188		Cl.No.4.6	IS:14151(Pt-2)				1500	1800	2000
189		Cl.No.5.1	IS:14151(Pt-2)				750	900	1000
190		Cl.No.5.2	IS:14151(Pt-2)				750	900	1000
191		Cl.No.5.3	IS:14151(Pt-2)				2250	2700	3000
192		COMPLETE TEST	IS:14151(Pt-2)				15000	18000	20000
193	Non-Stick Utensils	Dimensions(Cl.No.2.1)	As per IS:1660(Part)-				750	900	1000
194		Handle (Cl.No.6)	As per IS:1660(Part)-				750	900	1000
195		Workmanship Finish (Cl.No.7)	As per IS:1660(Part)-				750	900	1000
196		Visual Defects (Cl.No.3.2)	As per IS:1660(Part)-				750	900	1000
197		Salt Water Corrosion Test (Cl.No.3.3)	As per IS:1660(Part)-1982				750	900	1000
198		Coating Thickness Test (Cl.No.3.4)	As per IS:1660(Part)-1982				750	900	1000
199		Non-Stick Quality Test (Cl.No.3.5)	As per IS:1660(Part)-				1500	1800	2000
200		Adhesion Test (Cl.No.3.6)	As per IS:1660(Part)-				1500	1800	2000
201		COMPLETE TEST EXCEPT CHEMICAL	As per IS:1660(Part)-1982				6000	7200	8000
202	Casing & Capping	Dimensions (Cl.No.8)	As per IS:14927-2001				750	900	1000
203		Construction (Cl.No.9)	As per IS:14927-2001				1500	1800	2000
204		Impact Test (Cl.No.10.3)	As per IS:14927-2001				1500	1800	2000


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205		Linear Deflection Test (Cl.No.10.4)	As per IS:14927-2001			1500	1800	2000
206		Resistance To Flame Propagation (Cl.No.11)	As per IS:14927-2001			750	900	1000
207		Cover Retention Test (Cl.No.10.6)	As per IS:14927-2001			1500	1800	2000
208		Electrical Characteristics (Cl.No.12)	As per IS:14927-2001			2250	2700	3000
209		COMPLETE TEST	As per IS:14927-2001			9000	10800	12000
210	Paper stationary	Opacity	As per IS:12766			750	900	1000
211		Smoothness	As per IS:12766			750	900	1000
212		Gloss	As per IS:12766			675	810	900
213		Colour	As per IS:12766			750	900	1000
214		G.S.M.	As per IS:12766			675	810	900
215		pH	As per IS:12766			675	810	900
216		CobbTesting	As per IS:12766			750	900	1000
217		BreakingLoadTest	As per IS:12766			1500	1800	2000
218		tearing test	As per IS:12766			1500	1800	2000
219		Bursting Test	As per IS:12766			1050	1260	1400
220		COMPLETE TEST	As per IS:12766			7500	9000	10000
221	Plasticizer (Admixture)	Dry Material Content	IS:9103 Cl.9 - 1999			975	1170	1300
222		Ash Content	IS:9103 Cl.9 -			975	1170	1300
223		Relative Density	IS:9103 Cl.9 -			675	810	900
224		pH	IS:9103 Cl.9 -			600	720	800
225	Laundry Soap	Total Fatty Matter (TFM)	IS: 285-1992			825	990	1100
226		Alcohol insoluble	IS: 285-1992			675	810	900
227		Unsaponified Fatty matter	IS: 285-1992			825	990	1100


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228		Glycerol	IS: 285-1992			675	810	900
229		Rosin Acids	IS: 285-1992			675	810	900
230		Titer of total fatty acids	IS: 285-1992			675	810	900
231		Free Caustic alkali	IS: 285-1992			675	810	900
232		Chlorides, as NaCl	IS: 285-1992			675	810	900
233		Moisture Content	IS: 285-1992			675	810	900
234		Matter insoluble in alcohol	IS: 285-1992			675	810	900
235		LSD/NSD content	IS: 285-1992			675	810	900
236	Detergent Powder	Active ingredient	IS: 4955-2001			825	990	1100
237		Matter insoluble in water	IS: 4955-2001			675	810	900
238		PH/ Active alkalinity	IS: 4955-2001			675	810	900
239		Total Phosphate	IS: 4955-2001			675	810	900
240		Sieve test	IS: 4955-2001			675	810	900
241	Syn. Detergent for Woolen & Silk fabrics	As per table No. 1	IS:9458-1994			750	900	1000
242	Scoring powder	As per table No. 1	IS:6047-2009			750	900	1000
243	Detergent, house hold (Bar/Cake)	As per table No. 1	IS:8180-1992			3750	4500	5000
244	Toilet Soap	As per table No. 1	IS:2888-2004			3750	4500	5000
245	Toilet Soap, Liquid	As per IS: 4199-2001	IS: 4199-2001			3750	4500	5000
246		Keeping property	IS: 4199-2001			2250	2700	3000
247	Soft Soap	Description, consistency, As per table No. 1	IS:7532-1974			3750	4500	5000
248		Keeping Property	IS:7532-1974			750	900	1000

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249	Paints & Varnishes	Drying time	IS: 101				675	810	900
250		Consistency	IS: 101				600	720	800
251		Colour	IS: 101				525	630	700
252		Residue on sieve	IS: 101				675	810	900
253		Water content	IS: 101				600	720	800
254		Hardness / Flexibility	IS: 101				600	720	800
255		Resistance to Bleeding	IS: 101				750	900	1000
256		Flash point (Abel)	IS: 101				600	720	800
257		Mass in kg/10 lit.	IS: 101				600	720	800
258		Volatile/Non-Volatile matter	IS: 101				750	900	1000
259		Resistance to sea water	IS: 101				750	900	1000
260		Lead restriction/freedom from Lead	IS: 101				750	900	1000
261		Resistance to chemical	IS: 101				750	900	1000
262		Resistance to heat	IS: 101				750	900	1000
263		Resistance to water	IS: 101				600	720	800
264		Fineness of grinding	IS: 101				600	720	800
265		Resistance to dry rubbing	IS: 101				600	720	800
266		Scratch hardness test	IS: 101				600	720	800
267		Gloss (60/45 deg.), Each test	IS: 101				600	720	800
268		Adhesion / Flexibility test	IS: 101				600	720	800

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269		Protection against corrosion under condensation condition 7 days	IS: 101			4500	5400	6000
270		Phthalic anhydride content	IS: 101			750	900	1000
271		Volume solids	IS: 101			750	900	1000
272		Accelerated storage stability test (60°C for 96 hrs.)	IS: 101			1875	2250	2500
273	Cement Paint	As per Table-1 except fastness to light	IS-5410-1992			5250	6300	7000
274	Dry Distemper	As per Table-1 except fastness to light	IS-427 -2005			5250	6300	7000
275	Washable Distemper	As per Table-1 except fastness to light	IS-427 -2000			5250	6300	7000
276	Enamel paint (under coat),	As per IS:133-2009	IS:133-2009			5250	6300	7000
277		Keeping property	IS:133-2009			2850	3420	3800
278	R.M. Paint Road Marking,	As per table 1 except wear test	IS:164-1981			6750	8100	9000
279		Keeping property	IS:164-1981			3750	4500	5000
280	R.M. Paint air drying (General)	As per table 1 except pressure test & fastness to light	IS:168-1993			5250	6300	7000
281		Keeping property	IS:168-1993			2850	3420	3800
282	R.M. Paint (Red oxide / Zinc chrome)	As per IS:2074-1992	IS:2074-1992			5250	6300	7000
283		Keeping property	IS:2074-1992			2850	3420	3800


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284	R.M. Paint (Red oxide / Zinc phosphate)	As per IS 12744 : 1989	IS 12744 : 1989				5250	6300	7000
285		Keeping property	IS 12744 : 1989				2850	3420	3800
286	Syn. Enamel; Ext. under coat,	As per IS :2932	IS:2932-2003				22125	26550	29500
287		Keeping property	IS:2932-2003				2850	3420	3800
288	Syn. Exterior finishing, including weathering	As per IS :2933-1975	IS:2933-1975				37125	44550	49500
289		Keeping property	IS:2933-1975				2850	3420	3800
290	TMT Rod	Chemical composition	IS 1786 :2008				2250	2700	3000
291	Structural Steel	Chemical composition	IS 2062:2016				2250	2700	3000
292	Steel Wire	Chemical composition	IS 6528: 1995				2250	2700	3000
293	Stainless Steel Bars and Flats	Chemical composition	IS 6603:2001				2250	2700	3000
294	Steel Fasteners - Nuts	Chemical composition	IS 1367 Part 1 :2014				2250	2700	3000
295	Steel Fasteners - Bolts	Chemical composition	IS 1363 Part 3 : 2018				2250	2700	3000
296	Cold rolled sheet	Chemical composition	IS 513:2016				2250	2700	3000
297	Washers	Chemical composition	IS 937:1988				2250	2700	3000
298	Steel Tubes	Chemical composition	IS 1239:2004				2250	2700	3000
299	Steel Tubes For Structural Purposes	Chemical composition	IS 1161:2014				2250	2700	3000


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300	Wrought Aluminium and Aluminium Alloy Sheet and Strip	Chemical composition	IS 737:2008				2025	2430	2700
301	Aluminium and Aluminium Alloy Ingots and Castings	Chemical composition	IS 617:1994				2025	2430	2700
302	Wrought Aluminium and Aluminium Alloy Wire	Chemical composition	IS 739:1992				2025	2430	2700
303	Copper for Cable / Wire	Chemical composition	IS 191:1980				2025	2430	2700
304	Chemical Analysis of Copper	Chemical composition	IS 440:1964				2025	2430	2700
305	Copper Wire Nails	Chemical composition	IS 725:1961				2025	2430	2700
306	Zinc Wire	Chemical composition	IS 12447:1988				2025	2430	2700
307	Rolled zinc plate, sheet and strip	Chemical composition	IS 2258:1981				2025	2430	2700
308	Tin Ingot	Chemical composition	IS 26:1992				2025	2430	2700
309	Pig Lead	Chemical composition	IS 27:1992				2025	2430	2700
310	Lead sheets and strips	Chemical composition	IS 405:1992				2025	2430	2700
311	Rosin-cored solder wire	Chemical composition	IS 1921:2005				2775	3330	3700

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312	Hot-dip Zinc Coatings on Mild Steel Tubes	Mass of Zinc Coating, Uniformity of Coating,	IS 4736:1986				3225	3870	4300
313	Thickness of Tin Coating	Mass / Thickness of Tin Coating	IS 1359:1992				1500	1800	2000
314	Thickness of Cadmium Coating	Mass / Thickness of cadmium Coating	IS 1572:1986				1500	1800	2000
315	Thickness of Nickel Coating	Mass / Thickness of Nickel Coating	IS 13677:1993				1500	1800	2000
316	Thickness of Anodised Coating	Thickness of Aluminium Coating	IS 6697:1998				1500	1800	2000
317	Black Japan Paint	Drying Time, Consistency, Flash Point, Corrosion Resistance Test, Pigment content, etc	IS 341:2016				5250	6300	7000
318	ALUMINIUM PAINTS FOR GENERAL PURPOSES	Drying Time, Consistency, Flash Point, Corrosion Resistance Test, Pigment content, Non volatile Content etc.	IS 2339:2013				5250	6300	7000
319	Ready Mixed Paint, Marking, Quick Drying, For Marking with Rubber Stamps	Drying Time, Consistency, Flash Point, Corrosion Resistance Test, Pigment content, Volatile Matter etc.	IS 139:2018				5250	6300	7000



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320	Unsaturated Polyester Based Putty (Two packs)	Drying Time, Consistency, Rubbing Prop. Hold Out Property, Stopping Property, Adhesion, Pot Life etc.	M&C/PCN/100/2018					5700	6840	7600
321	Polyurethane Surfacer (Two packs)	Drying Time, Consistency, Flash Point, Corrosion Resistance Test, Colour, Volume Solid, Pigment content, Volatile Matter etc.	M&C/PCN/100/2018					5700	6840	7600
322	Epoxy Based Zinc phosphate Primer (Two packs)	Drying Time, Consistency, Flash Point, Corrosion Resistance Test, Pigment content, Volatile Matter etc.	M&C/PCN/100/2018					8400	10080	11200
323	Full Gloss Polyurethane Enamel(Two packs)	Drying Time, Consistency, Flash Point, Corrosion Resistance Test, Pigment content, Volatile Matter, Durability, Accelerated Test-Resistance to Chemicals etc.	M&C/PCN/100/2018					7125	8550	9500


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324	Knifing Putty	Drying Time, Consistency, Rubbing Prop. Hold Out Property, Stopping Property, Adhesion, Pot Life etc.	IS 5083:1988				5700	6840	7600
325	Epoxy Based Zinc Phosphate Primer (Two packs)	Drying Time, Consistency, Flash Point, Corrosion Resistance Test, Pigment content, Volatile Matter etc.	M&C/PCN/109/2020				8400	10080	11200
326	Full Gloss Poly Urethane Enamel (Two packs)	Drying Time, Consistency, Flash Point, Corrosion Resistance Test, Pigment content, Volatile Matter, Durability, Accelerated Test-Resistance to Chemicals etc.	M&C/PCN/109/2020				8400	10080	11200
327	Ready Mixed Paint, Red Oxide (ISC:446) Brushing, Finishing, Glossy for General Purposes (Two packs)	Drying Time, Consistency, Flash Point, Corrosion Resistance Test, Pigment content, Volatile Matter, Durability, Accelerated Test, Salt spray etc.	M&C/PCN/122/2020				8400	10080	11200


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328	High Performance Anticorrosion Epoxy Based Coating (Two Packs) for painting of Coaches:	Drying Time, Consistency, Flash Point, Corrosion Resistance Test, Pigment content, Volatile Matter, Durability, Accelerated Test, Salt spray, Resistance to Chemicals etc.	M&C/PCN/123/2018					8400	10080	11200
329	Quenching Oil	Saponification Value, Acidity, Viscosity, Ash, Flash Point etc.	IS 2664:1980					4800	5760	6400
330	Ferric Alum	Insoluble matter, Soluble Iron Content, Water soluble Aluminium Compound, pH, Free Acidity etc.	IS 299:2012					3300	3960	4400
331	Poly Aluminium Chloride	Aluminium Content, Basicity, Sp. Gravity. Toxic Substances, pH etc	IS 15573:2018					3300	3960	4400
332	Sodium Hypochlorite	Density, Available Chlorine, Free Acidity etc.	IS 11673:1992					2925	3510	3900
333	Construction water	pH, Organic Solid, Inorganic Solid, Suspended matter, Chloride Content etc	IS 456:2000					2550	3060	3400


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334	Reagent Grade water	pH, Colour retention, Silica Total Solid etc.	IS 1070:1992				2550	3060	3400
335	Plywood for General purpose	Moisture Content, Density, water resistance etc.	IS 303:1989				3300	3960	4400
336	Plywood	Moisture, dimension	IS 303				1650	1980	2200
337	Flush Door Shutter	End immersion Test, Knife test, Slamming Test etc.	IS 2202:1999				2850	3420	3800
338	Medium Density Fiber Board	Moisture Content, water absorption, Swelling in water, Density.	IS 12406:2003				3750	4500	5000
339	Wood Particle Board	Moisture Content, Density, Water absorption etc.	IS 3087:2005				2850	3420	3800
340	Ordinary Portland Cement	Chemical composition	IS 8112:2013				3075	3690	4100
341	Portland Prozzolana Cement	Chemical composition	IS 1449:2010				3075	3690	4100
342	Portland Slag Cement	Chemical composition	IS 455:2015				3900	4680	5200
343	Bentonite	Sand Content, Liquid Limit, Swelling in Water, pH etc.	IS 2911:2010				2850	3420	3800


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344	Chlorpyrifos Emulsifiable Concentrates	Cold Test, Flash point, Chlorpyrifos content, Acidity, Emulsion Stability etc.	IS 8944: 2005				2850	3420	3800
345	Paper & Paper Board	GSM, Moisture Content, Bursting Strength etc.	IS 1060				3300	3960	4400
346	Packaged Drinking Water (Other than Packaged Natural Mineral Water)	Microbiology test		5	IS:14543		4125	4950	5500
347	Packaged Natural Mineral Water	Microbiology test		6	IS:13428		0	0	0
348	Water						4125	4950	5500
349	Drinking water	Microbiology test			IS:10500		525	630	700
350	Plywood	Mycological test			IS:1734	7	1500	1800	2000
351	Alcohol based sanitizer	Microbiology test			BS EN 01276		1500	1800	2000
352	Free from alcohol based sanitizer (organic)	Microbiology test			BS EN 01276		1500	1800	2000
353	Veg and veg cleaning sanitizer	Microbiology test			BS EN 01276		1500	1800	2000
354	Floor cleaning agent	Microbiology test			BS EN 01276		1500	1800	2000
355	Packaged Drinking water	Chemical, Microbiological and radiological			All parameters as per IS:14543		21375	25650	28500

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356	Packaged Natural mineral water	Chemical, Microbiological and radiological	All parameters as per IS : 13428	21375	25650	28500
357	Drinking water	Chemical,	IS :10500	13500	16200	18000
358	Food matrix	CS-137 content	-	3000	3600	4000
359	Food matrix	CS-137 content	-	3000	3600	4000
360	Portable water	pH, TDS, turbidity,	IS :10500	4500	5400	6000
361	Cast cylindrical cube	Compressive strength	IS 516	2100	2520	2800
362	Burnt clay brick	Compressive strength, water absorption, efflorescence, dimension	IS 1077	4725	5670	6300
363	Ceramic tiles	water ,absorption, resistance to acid & alkali impact	IS 15622	4050	4860	5400
364	Coarse & fine aggregates	Gradation, Impact strength, crushing value	IS 383	6375	7650	8500
365	Metal Analysis	elemental analysis rate per element	IS 6603,6911, 737,617,73 9.191	750	900	1000

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Sl.	Test Facility	Product/ Material for test	Specific tests performed	Clause	Indian Standard Specifications /Parameters	IS Part	Year	Final Test Charges			
								Micro (25% Dis)	Small (10% Dis)	Medium & Non MSME	
1	2	3	4	5	6	7	8	9	10		
1	Safety of household and similar electrical appliances		Marking and instructions	7	302	1	2008	825	990	1100	
			Protection against access to live parts	8					975	1170	1300
			Starting of motor operated appliances	9					825	990	1100
			Power input and current	10					975	1170	1300
			Heating	11					2250	2700	3000
			Leakage current and electric strength at operating temperature	13					1275	1530	1700
			Transient Overvoltage	14					2100	2520	2800
			Moisture resistance	15					2325	2790	3100
			Leakage current and Electric Strength	16					1725	2070	2300
			Overload protection of transformers and associated circuits	17					1950	2340	2600
			-Endurance	18					4500	5400	6000
			Abnormal Operation	19					1650	1980	2200
			Stability & Mechanical Hazards	20					975	1170	1300
			Mechanical Strength	21					825	990	1100
			Construction	22					825	990	1100
			Internal wiring	23					825	990	1100
			Components	24					975	1170	1300
			Supply connection and external flexible cords	25					975	1170	1300
			Terminals for external conductors	26					825	990	1100
			Provision for Earthing	27					975	1170	1300
			Screws and connections	28					825	990	1100
			Clearances, creepage distances and solid insulation	29					825	990	1100
			Resistance to heat, fire and tracking	30					1725	2070	2300
			Resistance to rusting	31					975	1170	1300
	Radiation, toxicity and similar hazards	32					1500	1800	2000		
2	Electric iron		Markings and instructions	7	302	P2/Sec 3	2018	1050	1260	1400	
			Protection against access to live parts	8				1200	1440	1600	
			Provision for Earthing	27				1200	1440	1600	
			Power input and current	10				1425	1710	1900	
			Leakage current and electric strength at operating temperature	13				1575	1890	2100	
			Heating (Temperature Rise)	11				2850	3420	3800	
			Moisture resistance	15				2925	3510	3900	
			Leakage current and Electric Strength	16				1425	1710	1900	
			Transient Overvoltage	14				2250	2700	3000	

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					2175	2610	2900	
	Leakage current and electric strength at operating temperature	13			1575	1890	2100	
	Transient overvoltage's	14			3900	4680	5200	
	Moisture resistance	15			1950	2340	2600	
	Leakage current and electric strength	16			2250	2700	3000	
	Overload protection of transformers and associated Circuits	17			2850	3420	3800	
	Abnormal operation	19			2475	2970	3300	
	Stability and mechanical hazards	20			1425	1710	1900	
	Mechanical strength	21			1425	1710	1900	
	Construction	22			1425	1710	1900	
	Internal wiring	23			1425	1710	1900	
	Components	24			1425	1710	1900	
	Supply connection and external flexible cords	25			1425	1710	1900	
	Terminals for external conductors	26			1425	1710	1900	
	Provision for earthing	27			1650	1980	2200	
	Screws and connections	28			1425	1710	1900	
	Clearances, creepage distances and solid insulation	29			1425	1710	1900	
	Resistance to heat and fire	30			2775	3330	3700	
	Resistance to rusting	31			1650	1980	2200	
	Radiation, toxicity and similar hazards	32			1650	1980	2200	
5	Markings and Instructions	7	302	P2/Sec 21	2011	1050	1260	1400
	Protection against access to live parts	8				1200	1440	1600
	Power in put and current	10				1425	1710	1900
	Heating	11				3000	3600	4000
	Leakage current and electric strength at operating temperature Transient over voltages	13				1575	1890	2100
	Moisture resistance	14				2925	3510	3900
	Leakage current and electric strength	15				1575	1890	2100
	Overload protection of transformers and associated circuits abnormal operation	16				1575	1890	2100
	Stability and mechanical hazards	17				1425	1710	1900
	Mechanical Strength	19				1050	1260	1400
	Construction	20				1800	2160	2400
	Internal wiring	21				1050	1260	1400
	Components	22				1050	1260	1400
	Supply connection and external flexible cords	23				1425	1710	1900
	Terminals for external conductors	24				1050	1260	1400
	Provision for earthing	25				1200	1440	1600
	Screw and connections	26				1050	1260	1400
	Clearances, creepage distances and solid insulation	27				1050	1260	1400
	Resistance to heat and fire	28				2175	2610	2900
	Resistance to rusting	29				1200	1440	1600


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6	Room Heaters	Radiation, toxicity and similar hazards	30			1650	1980	2200	
		Protection against access to live parts	31			1200	1440	1600	
		Power input and current	32			1425	1710	1900	
		Markings and Instructions	7	302	P2/Sec 30	2013	1425	1710	1900
		Protection against access to live parts	8				1650	1980	2200
		Provision for Earthing	27				1500	1800	2000
		Power input and current	10				1725	2070	2300
		Leakage current and electric strength at operating temperature	13				2175	2610	2900
		Heating	11				3900	4680	5200
		Moisture resistance	15				3900	4680	5200
		Leakage current and Electric Strength	16				2175	2610	2900
		Transient Overvoltage	14				2250	2700	3000
		Mechanical Strength	21				1425	1710	1900
		Over load Protection of transformers and associated circuits	17				1950	2340	2600
		Abnormal Operation	19				2850	3420	3800
		Stability & Mechanical Hazards	20				1425	1710	1900
		Construction	22				1425	1710	1900
		Internal wiring	23				1425	1710	1900
		Components	24				1425	1710	1900
		Supply connection and external flexible cords	25				1425	1710	1900
		Terminals for external conductors	26				1425	1710	1900
		Screws and connections	28				1425	1710	1900
		Clearances, creepage distances and solid insulation	29				1425	1710	1900
Resistance to heat & fire	30				2775	3330	3700		
Resistance to rusting	31				1650	1980	2200		
7	Electric Instantaneous Water Heaters	Markings and Instructions	7	302	P2/Sec 35	2017	1425	1710	1900
		Protection against access to live parts	8				1650	1980	2200
		Power input and current	10				1725	2070	2300
		Heating	11				4050	4860	5400
		Leakage current and electric strength at operating temperature	13				2175	2610	2900
		Transient over voltages	14				2250	2700	3000
		Moisture resistance	15				3900	4680	5200
		Leakage current and electric strength	16				2175	2610	2900
		Overload protection of transformers and associated circuits	17				1575	1890	2100
		Abnormal operation	19				2850	3420	3800
		Stability and mechanical hazards	20				1425	1710	1900
		Mechanical strength	21				1425	1710	1900
		Construction	22				1425	1710	1900
Internal wiring	23				1425	1710	1900		


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					1425	1710	1900
	Components	24			1425	1710	1900
	Supply connection and external flexible cords	25			1425	1710	1900
	Terminals for external conductors	26			1650	1980	2200
	Provision for earthing	27			1425	1710	1900
	Screw and connections	28			1425	1710	1900
	Clearances, creepage distances and solid insulation	29			2775	3330	3700
	Resistance to heat and fire	30			1650	1980	2200
	Resistance to rusting	31			1650	1980	2200
	Radiation, toxicity and similar hazards	32			1050	1260	1400
8	Markings and Instructions	7	302	P2/Sec 201	2019	1200	1440
	Protection against access to live parts	8				1200	1440
	Provision for Earthing	27				1425	1710
	Power input and current	10				1575	1890
	Leakage current and electric strength at operating temperature	13				2850	3420
	Heating	11				2925	3510
	Moisture resistance	15				1425	1710
	Leakage current and Electric Strength	16				2250	2700
	Transient Overvoltage	14				1050	1260
	Mechanical Strength	21				2850	3420
	Abnormal Operation	19				1425	1710
	Stability & Mechanical Hazards	20				1050	1260
	Construction	22				1050	1260
	Internal wiring	23				1050	1260
	Components	24				1425	1710
	Supply connection and external flexible cords	25				1050	1260
	Terminals for external conductors	26				1050	1260
	Screws and connections	28				1050	1260
	Clearances, creepage distances and solid insulation	29				2175	2610
	Resistance to heat, fire and tracking	30				1200	1440
	Resistance to rusting	31				1650	1980
	Radiation, toxicity and similar hazards	32				1425	1710
	Measurement of Heating-Up Time	10	366		2018	3900	4680
	Heating (Temperature Rise)	11	366		2018	2925	3510
	Moisture resistance	15	366		2018	1425	1710
	Leakage current and Electric Strength	16	366		2018	1425	1710
	Measurement of Sole Plate Temperature	11	366		2018	1425	1710
	Measurement of Temperature Distribution	12	366	366	2018	1425	1710
	Initial over swing temperature & heating up excess temperature	13	366	366	2018	1425	1710
	Cyclic fluctuation of temperature of hottest point	14	366	366	2018	1425	1710
9	Electric Iron						


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		Measurement of Thermostatic Stability	16	366	366	2018	1425	1710	1900
		Finish	17	366	366	2018	1050	1260	1400
10	Electric Immersion Water Heater	Endurance test	10	368	-----	2019	4500	5400	6000
		Finish	11				1050	1260	1400
11	Electric radiators	Markings and Instructions	7	302	P2/Sec 30	2013	1350	1620	1800
		Protection against access to live parts	8				1650	1980	2200
		Power Input and Current	10				1725	2070	2300
		Leakage Current & Electric Strength at Operating Temperature	13				1950	2340	2600
		Transient Overvoltage	14				2250	2700	3000
		Heating	11				4050	4860	5400
		Moisture Resistance	15				3900	4680	5200
		Leakage Current & Electric Strength	16				1875	2250	2500
		Overload Protection of Transformers and Associated Circuits	17				1500	1800	2000
		Abnormal Operation	19				2850	3420	3800
		Stability & Mechanical Hazards	20				1425	1710	1900
		Construction	22				1425	1710	1900
		Mechanical Strength	21				1425	1710	1900
		Internal Wiring	23				1425	1710	1900
		Components	24				1425	1710	1900
		Supply Connection & External Flexible Cords	25				1425	1710	1900
		Terminals for External Conductors	26				1425	1710	1900
		Provision for Earthing	27				1650	1980	2200
		Screws and Connections	28				1425	1710	1900
		Clearances, Creepage Distances & Solid Insulation	29				1425	1710	1900
		Resistance to Heat and Fire	30				2625	3150	3500
		Resistance to Rusting	31				1650	1980	2200
		Radiation, Toxicity & Similar Hazards	32				1650	1980	2200
12	Electric radiators	Dimensions, mass and means of connection to the supply (for all heaters)	7	369	---	1992	1425	1710	1900
		Temperature rise of air- outlet grilles and external surfaces (for all heaters)	8				1425	1710	1900
		Temperature rise of surfaces surrounding the heater (for all heaters)	9				1425	1710	1900
		Warming-up time of the heater (for all heaters)	10				1425	1710	1900
		Stability of room temperature (for heaters with an ambient temperature thermostat)	11				1425	1710	1900
		Set-back (for heaters with a set-back device)	12				1425	1710	1900
		Frost protection temperature (for heaters with frost protection means)	13				2100	2520	2800

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	Inrush Current (for all heaters)	14				1650	1980	2200
	Effect of radiant heat (for all heaters except fan heaters and heaters for mounting at a height above 1.8m)	15				1650	1980	2200
	Measurement of the Usable Power (for all heaters)	16				1425	1710	1900
13	Markings and Instructions	7	302	P2/Sec 80	2017	1425	1710	1900
	Protection against access to live parts	8				1650	1980	2200
	Starting of Motor-operated Appliances	9				2475	2970	3300
	Power Input and Current	10				1275	1530	1700
	Heating	11				4050	4860	5400
	Leakage Current & Electric Strength at Operating Temperature	13				1950	2340	2600
	Transient Overvoltage	14				2250	2700	3000
	Moisture Resistance	15				3900	4680	5200
	Leakage Current & Electric Strength	16				1950	2340	2600
	Overload Protection of Transformers and Associated Circuits	17				1575	1890	2100
	Abnormal Operation	19				2850	3420	3800
	Stability & Mechanical Hazards	20				2475	2970	3300
	Mechanical Strength	21				1425	1710	1900
	Construction	22				1425	1710	1900
	Internal Wiring	23				1425	1710	1900
	Components	24				1425	1710	1900
	Supply Connection & External Flexible Cords	25				1425	1710	1900
	Terminals for External Conductors	26				1425	1710	1900
	Provision for Earthing	27				1650	1980	2200
	Screws and Connections	28				1425	1710	1900
	Clearances, Creepage Distances & Solid Insulation	29				1425	1710	1900
	Resistance to Heat and Fire	30				2775	3330	3700
	Resistance to Rusting	31				1650	1980	2200
	Radiation, Toxicity & Similar Hazards	32				1500	1800	2000
	Performance Requirements	14,3, 15	374	----	2019	3225	3870	4300
	Speed and Power Factor	14,4&14,5				1050	1260	1400
						0	0	
	Speed Regulator	10.1 to 10.6,10.8				1050	1260	1400
	Speed Regulator	10.7				1425	1710	1900
	Starting	11				1050	1260	1400
	Interchangeability	12				1425	1710	1900
	Silent Operation	13				1050	1260	1400
	Test for Harmonic Distortion	17				1650	1980	2200
	Endurance Test	16				3225	3870	4300


Electric ceiling
type fans and
regulators


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14	POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED	Annealing test (for copper, before stranding)	7.1.2.1, 7.2.3 of IS 694, IS 10810-Pt-1, IS 8130					1050	1260	1400
	CABLESCORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR	Tensile strength (for Al, before stranding)	7.2.1 of IS 694, IS 10810-Pt-2, IS 8130					1050	1260	1400
	RATED VOLTAGES UP TO AND INCLUDING 1100 V	Wrapping (for Al)	7.2.2 of IS 694, IS 10810-Pt-3, IS 8130					975	1170	1300
		Conductor Resistance	7.3 of IS 694, IS 10810-Pt-5, IS 8130					975	1170	1300
		Persulphate test (for tinned copper conductor cable only)	Table 4 of IS 694, IS 8130					975	1170	1300
		Test for Overall dimensions and Thickness of Insulation Sheath, Section 2 and 3 of IS 694, IS 10810-Pt-6						1050	1260	1400
		Physical tests for insulation:						2025	2430	2700
		Tensile strength and elongation and break	Table 1 and 2 of IS 5831, IS 10810-Pt-7					1725	2070	2300
		Loss of Mass test,	Table 1 and 2 of IS 5831, IS 10810-Pt-10					2400	2880	3200
		Ageing in air oven	Table 1 and 2 of IS 5831, IS 10810-Pt-11					2400	2880	3200
		Shrinkage	Table 1 and 2 of IS 5831, IS 10810-Pt-12					900	1080	1200
		Heat Shock	Table 1 and 2 of IS 5831, IS 10810-Pt-14					900	1080	1200
		Hot deformation	Table 1 and 2 of IS 5831, IS 10810-Pt-15					1050	1260	1400
		Thermal Stability	Table 1 and 2 of IS 5831, IS 10810-Pt-60					1350	1620	1800
		Cold Bend test	Table 1 and 2 of IS 5831, IS 10810-Pt-20, 21					2025	2430	2700
		Cold Impact test	Table 1 and 2 of IS 5831, IS 10810-Pt-20, 21					2025	2430	2700
		Flammability test	10.4 of IS 694, IS 10810-Pt-53					900	1080	1200
		Oxygen Index test	10.4 of IS 694, IS 10810-Pt-58					5625	6750	7500
		Test for Temperature Index	10.7 of IS 694, IS 10810-Pt-64					5625	6750	7500

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	Halogen Acid Gas evaluation	10.6 of IS 694, IS 10810-Pt-59			5625	6750	7500
	Smoke density rating	10.8 of IS 694, IS 13360-Pt-6- Sec-9			5625	6750	7500
	Tensile strength and elongation and break	Table 1 and 2 of IS 5831, IS 10810-Pt-7			1575	1890	2100
	Loss of Mass test,	Table 1 and 2 of IS 5831, IS 10810-Pt-10			2250	2700	3000
	Ageing in air oven	Table 1 and 2 of IS 5831, IS 10810-Pt-11			2400	2880	3200
	Shrinkage	Table 1 and 2 of IS 5831, IS 10810-Pt-12			600	720	800
	Heat Shock	Table 1 and 2 of IS 5831, IS 10810-Pt-14			975	1170	1300
	Hot deformation	Table 1 and 2 of IS 5831, IS 10810-Pt-15			975	1170	1300
	Thermal Stability	Table 1 and 2 of IS 5831, IS 10810-Pt-60			1350	1620	1800
	Oxygen Index test	10.4 of IS 694, IS 10810-Pt-58			5625	6750	7500
	Test for Temperature Index	10.7 of IS 694, IS 10810-Pt-64			5625	6750	7500
	Test for Halogen Acid Gas evaluation	10.6 of IS 694, IS 10810-Pt-59			5625	6750	7500
	Test for Smoke density	10.8 of IS 694, IS 13360-Pt-6- Sec-9			5625	6750	7500
	High Voltage (Water Immersion) Test	10.1 of IS 694, IS 10810-Pt-45			3150	3780	4200
	High Voltage or spark test	10.3 of IS 694, IS 10810-Pt-44			2100	2520	2800
	Insulation Resistance Volume Resistivity	Table 1 of IS 5831			2475	2970	3300
	High Voltage test	10.2 of IS 694, IS 10810-Pt-45			1875	2250	2500
	Flammability test	10.4 of IS 694, IS 10810-Pt-53			900	1080	1200
	Additional Ageing test (OU cables only)	10.9 of IS 694			3750	4500	5000
15	No-load current, power input and speed at rated voltage and frequency	IS 996-2009	0		3750	4500	5000
	Breakaway starting current at rated voltage and frequency	12.1.1			1650	1980	2200
	Insulation resistance	12.7			1650	1980	2200
	High voltage	13.1			4125	4950	5500
	Break away (starting), pull-up and pull-out torques at rated voltage and frequency	12.1.1			4125	4950	5500
	Temperature rise	12.2			6225	7470	8300
	Momentary overload	12.1.2			1500	1800	2000
	Single-phase a.c. industrial motors for general						

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	purpose	Full-load performance at rated voltage and frequency	12.5.1				2250	2700	3000
		Leakage current	13.3				1650	1980	2200
		Moisture proofness	13.2				3000	3600	4000
		Vibration	12.6				1650	1980	2200
		Dimensions	7				1650	1980	2200
		Enclosure	10.1				1650	1980	2200
16	PVC insulated (heavy duty) electric cables, Part 1: For working voltages up to and including 1100 V	Annealing test (for copper, before stranding)	15.2 (a) of IS 1554-1, 7.1.2 of IS 8130, IS 10810-1				1050	1260	1400
		Tensile strength (for Al, before stranding)	15.2 (b) of IS 1554-1, 7.2.1 of IS 8130, IS 10810-2				1125	1350	1500
		Wrapping (for Al)	15.2 (c) of IS 1554-1, 7.2.2 of IS 8130, IS 10810-3				975	1170	1300
		Conductor Resistance	15.3 (a) of IS 1554-1, 7.3, Table 1, 2 of IS 8130, 10810-5				975	1170	1300
		Test for armouring wires strips	15.1 (b), 6, 13 and Table 5, of IS 1554-1, IS 10810-36 to 42				4950	5940	6600
		Test for Overall dimensions and Thickness of Insulation Sheath,	15.2 (e), 9, 12, 14 Table 2, 4, 7 of IS 1554-1, IS 10810-6				975	1170	1300
		Tensile strength and elongation and break	15.2 (f) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-7				1725	2070	2300
		Ageing in air oven	15.1 (d) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-11				2625	3150	3500
		Shrinkage	15.1 (d) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-12				975	1170	1300
		Hot deformation	15.1 (d) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-15				1125	1350	1500
	Loss of Mass test,	15.1 (d) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-10				2475	2970	3300	
	Heat Shock	15.1 (d) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-14				975	1170	1300	

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		Thermal Stability	15.1 (d) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-60				1500	1800	2000
		Insulation Resistance Test	15.2 (g) of IS 1554-1, Table 1 of IS 5831-1, IS 10810-43				1575	1890	2100
		High Voltage (Water Immersion) Test	15.1 (f), 16.3 of IS 1554-1, IS 10810-45				3150	3780	4200
		High Voltage test at room tempr	15.3 (b), 16.2 of IS 1554-1,				1725	2070	2300
		Flammability test	15.1 (h), 16.4 of IS 1554-1, IS 10810-53				900	1080	1200
		Oxygen Index Test	15.1.1, Appendix A, 16.5 of IS 1554-1, IS 10810-58				5625	6750	7500
		Flame Retardance Test on single cable	15.1.1, Appendix A, 16.6 of IS 1554-1,				5625	6750	7500
		Flame Retardance Test on bunched cable	15.1.1, Appendix A, 16.7 of IS 1554-1, IS 10810-62				7500	9000	10000
		Test for specific optical density of smoke	15.1.1, Appendix A, 16.8 of IS 1554-1				8250	9900	11000
		Temperature Index	15.1.1, Appendix A, 16.10 of IS 1554-1, IS 10810-64				5625	6750	7500
		Smoke Density	15.1.1, Appendix A, 16.11 of IS 1554-1, IS 10810-63				5625	6750	7500
		Test for Halogen acid gas evolution	15.1.1, Appendix A, 16.9 of IS 1554-1, IS 10810-59				5250	6300	7000
17		Annealing test (for copper, before stranding)	15.2 (a) of IS 1554-1, 7.1.2 of IS 8130, IS 10810-1				1050	1260	1400
		Tensile strength (for Al, before stranding)	15.2 (b) of IS 1554-1, 7.2.1 of IS 8130, IS 10810-2				1125	1350	1500
	Polyethylene insulated PVC sheathed cables, Part 1:	Wrapping (for Al)	15.2 (c) of IS 1554-1, 7.2.2 of IS 8130, IS 10810-3				975	1170	1300
	For working voltage upto and including 1 100 V	Conductor Resistance	15.3 (a) of IS 1554-1, 7.3, Table 1, 2 of IS 8130, 10810-5				975	1170	1300
		Test for armouring wires strips	15.1 (b), 6, 13 and Table 5, of IS 1554-1, IS 10810-36 to 42				4950	5940	6600

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	Test for Overall dimensions and Thickness of Insulation Sheath,	15.2 (e), 9, 12, 14 Table 2, 4, 7 of IS 1554-1, IS 10810-6				975	1170	1300
	Tensile strength and elongation and break	15.2 (f) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-7				1950	2340	2600
	Ageing in air oven	15.1 (d) of IS 1554-1, Table 1, 2 of IS 5831, IS 110810-11				2475	2970	3300
	Shrinkage	15.1 (d) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-12				975	1170	1300
	Hot deformation	15.1 (d) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-15				1125	1350	1500
	Loss of Mass test,	15.1 (d) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-10				2475	2970	3300
	Heat Shock	15.1 (d) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-14				975	1170	1300
	Thermal Stability	15.1 (d) of IS 1554-1, Table 1, 2 of IS 5831, IS 10810-60				1500	1800	2000
	Insulation Resistance Test	15.2 (g) of IS 1554-1, Table 1 of IS 5831, IS 10810-43				1575	1890	2100
	High Voltage (Water Immersion) Test	15.1 (f), 16.3 of IS 1554-1, IS 10810-45				3300	3960	4400
	High Voltage test at room tempr	15.3 (b), 16.2 of IS 1554-1,				1875	2250	2500
	Flammability test	15.1 (h), 16.4 of IS 1554-1, IS 10810-53				900	1080	1200
	Oxygen Index Test	15.1.1, Appendix A, 16.5 of IS 1554-1, IS 10810-58				5625	6750	7500
	Flame Retardance Test on single cable	15.1.1, Appendix A, 16.6 of IS 1554-1,				4725	5670	6300
	Flame Retardance Test on bunched cable	15.1.1, Appendix A, 16.7 of IS 1554-1, IS 10810-62				8250	9900	11000
	Test for specific optical density of smoke	15.1.1, Appendix A, 16.8 of IS 1554-1				8250	9900	11000
	Temperature Index	15.1.1, Appendix A, 16.10 of IS 1554-1, IS 10810-64				5625	6750	7500


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	Smoke Density	15.1.1, Appendix A, 16.11 of IS 1554-1, IS 10810-63			5625	6750	7500
	Test for Halogen acid gas evolution	15.1.1, Appendix A, 16.9 of IS 1554-1, IS 10810-59			5625	6750	7500
18	Markings and Instructions	7	2082	2018	1425	1710	1900
	Protection against access to live parts	8			1650	1980	2200
	Finish	21			1350	1620	1800
	Power Input & Current	10			1725	2070	2300
	Leakage current & electric strength at operating temperature	13			1950	2340	2600
	Construction	22			1425	1710	1900
	Provision for Earthing	27			1650	1980	2200
	Capacity	14			1425	1710	1900
	Heating	11			4050	4860	5400
	Moisture Resistance	15			3075	3690	4100
	Transient Overvoltage	14			2250	2700	3000
	Leakage Current & Electric Strength	16			1950	2340	2600
	Overload Protection of Transformers and associated circuits	17			1800	2160	2400
	Standing Loss per 24 hours	15			2625	3150	3500
	Deviation of dial calibration	19			1500	1800	2000
	Hot Water Output	16			1350	1620	1800
	Reheating Time	17			1350	1620	1800
	Mixing Factor	18			1350	1620	1800
	Cyclic Temperature Variation IS 10810-59 (differential)	20			1350	1620	1800
	Abnormal Operation	19			2850	3420	3800
	Stability & Mechanical Hazards	20			1350	1620	1800
	Mechanical Strength	21			1425	1710	1900
	Internal Wiring	23			2100	2520	2800
	Components	24			1500	1800	2000
	Supply Connections & external flexible cords	25			1350	1620	1800
	Terminals for external conductors	26			1425	1710	1900
	Screws & Connections	28			1425	1710	1900
	Clearances, creepage distances & solid insulation	29			1425	1710	1900
	Resistance to heat & fire	30			2250	2700	3000
	Resistance to rusting	31			1650	1980	2200
19	Markings and Instructions	7	2312	2015	975	1170	1300
	Starting	10.1			450	540	600
	Power Factor Test	14.6			1050	1260	1400
	High Voltage Test	14.8			2025	2430	2700
	Insulation -Resistance Test	14.9.1			1200	1440	1600
	Earthing Continuity Test	14.1			1125	1350	1500
	Electrical Input Test	14.11			1350	1620	1800
	Measurement of Fan Speed	14.12			1050	1260	1400

Stationary storage type electric water heaters

Propeller type ac ventilating fans

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		Air Delivery	14.2			3525	4230	4700
		Temperature Rise	14.3			2850	3420	3800
		A.C. Leakage Test	14.7			1050	1260	1400
		Insulation –Resistance Test	14.9.1			1200	1440	1600
		Moisture proofness Test	14.4			3900	4680	5200
		Mechanical Endurance Test	14.5			2475	2970	3300
20	Mineral Filled Sheathed Heating Elements	Markings and Instructions	7	4159	2017	1425	1710	1900
		Protection against electric shock	8			1650	1980	2200
		Input	10			1725	2070	2300
		Temperature-rise	11			4050	4860	5400
		Operation under overload conditions	12			1500	1800	2000
		Electrical insulation and leakage current at operating temperature	13			1950	2340	2600
		Moisture resistance	15			3900	4680	5200
		Insulation resistance and electric strength (after humidity treatment)	16			1950	2340	2600
		Endurance	18			3375	4050	4500
		Abnormal operation	19			2850	3420	3800
		Stability and mechanical hazard	20			2475	2970	3300
		Mechanical strength	21			1425	1710	1900
		Construction	22			1425	1710	1900
		Components	24			1425	1710	1900
		Supply connection and external flexible cables and cords	25			1425	1710	1900
		Terminal for external conductors	26			1425	1710	1900
		Provision for earthing	27			1650	1980	2200
		Screw and connection	28			1425	1710	1900
		Creepage distances and clearances	29			1425	1710	1900
		Resistance to heat, fire and tracking	30			2775	3330	3700
	Resistance to rusting,	31			1650	1980	2200	
	Finish	32			1425	1710	1900	
	Leakage auld hydrostatic strength (for immersion oil heating elements)	102			1650	1980	2200	
21	Domestic Electric Food-	Markings and Instructions	7	4250	2014	975	1170	1300
		Protection against electric shock	8			1125	1350	1500
		High Voltage test	13			1950	2340	2600
		Provision for earthing	27			1125	1350	1500
		Simple running test	38.3			1425	1710	1900
		Electrical insulation and Leakage current at operating temperature	13			1425	1710	1900
		Insulation resistance and Electric strength	16			2400	2880	3200
		Input	10			1200	1440	1600
		Operational tests	34			1350	1620	1800
		Moisture resistance	15			2850	3420	3800
		Temperature withstand test for bowl	35			1125	1350	1500
		Temperature rise	11			2850	3420	3800
		Stability and Mechanical hazards	20			975	1170	1300
		Test for controls	36			975	1170	1300

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Mixers (Liquidizes and Grinders)	Starting	9			975	1170	1300	
	Endurance	18			5025	6030	6700	
	Finish	33			975	1170	1300	
	Mechanical strength	21			975	1170	1300	
	Strength of assembly	37			1425	1710	1900	
	Resistance to heat fire and tracking	30			1575	1890	2100	
	Supply connection and external flexible cables and cords	25			975	1170	1300	
	Screws and connections	28			975	1170	1300	
	Creepage distances, clearances and distances through insulation	29			975	1170	1300	
	Abnormal operation	19			2025	2430	2700	
	Radio and Television interference suppression	14			1650	1980	2200	
	Internal wiring	23			975	1170	1300	
	Terminals for external conductors	26			975	1170	1300	
	Resistance to rusting	31			1125	1350	1500	
22	Crosslinked polyethylene insulated PVC sheathed cables, Part 1: For working voltage upto and including 1 100 V	Annealing test (for copper, before stranding)	15.1 (a) i of IS 7098-1, 7.1.2 of IS 8130, IS 10810-1			1125	1350	1500
		Tensile strength (for Al, before stranding)	15.1 (a) ii of IS 7098-1, 7.2.1 of IS 8130, IS 10810-2			975	1170	1300
		Wrapping (for Al)	15.1 (a) iii of IS 7098-1, 7.2.2 of IS 8130, IS 10810-3			975	1170	1300
		Conductor Resistance	15.1 (a) vi of IS 7098-1, 7.3, Table 1,2 of IS 8130, IS 10810-5			975	1170	1300
		Test for armouring wires strips	15.1 (b),13.3, 13.6, of IS 7098-1, IS 10810-36 to 42			5250	6300	7000
		Test for Thickness of Insulation and Sheath,	15.1.1 Section 4, 9, 12, 14, Table 2, 4, 6 of IS 7098-1, IS 10810-6			900	1080	1200
		Tensile strength and elongation and break	15.1.1 Section 4, Table 1 of IS 7098-1, IS 10810-7			1650	1980	2200
		Ageing in air oven	15.1.1 Section 4, Table 1 of IS 7098-1, IS 10810-11			2325	2790	3100
		Hot Set Test	15.1.1 Section 4, Table 1 of IS 7098-1, IS 10810-30			975	1170	1300

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	Shrinkage	15.1.1 Section 4, Table 1 of IS 7098-1, IS 10810-12				975	1170	1300
	Water absorption (Gravimetric)	15.1.1 Section 4, Table 1 of IS 7098-1, IS 10810-33				1650	1980	2200
	Tensile strength and elongation and break	15.1.1 Section 4, of IS 7098-1, IS 5831, IS 10810-7				1800	2160	2400
	Ageing in air oven	15.1.1 Section 4, of IS 7098-1, IS 5831, IS 10810-11				2400	2880	3200
	Loss of Mass test,	15.1.1 Section 4, of IS 7098-1, IS 5831, IS 10810-10				2325	2790	3100
	Shrinkage	15.1.1 Section 4, of IS 7098-1, IS 5831, IS 10810-12				975	1170	1300
	Hot deformation	15.1.1 Section 4, of IS 7098-1, IS 5831, IS 10810-15				1050	1260	1400
	Heat Shock Test	15.1.1 Section 4, of IS 7098-1, IS 5831, IS 10810-14				975	1170	1300
	Thermal Stability	15.1.1 Section 4, of IS 7098-1, IS 5831				1575	1890	2100
	Insulation Resistance Test Volume Resistivity Test	15.1.1 Section 4, Table 1 of IS 7098-1, IS 10810-43				1575	1890	2100
	High Voltage	15.1.1 Section 4, 16.2 of IS 7098-1, IS 10810-45				1875	2250	2500
	Flammability test	15.1.1 Section 4, 16.2 of IS 7098-1, IS 10810-53				825	990	1100
	Oxygen Index Test	15.1.1 Section 4, 16.3 of IS 7098-1, IS 10810-58				5625	6750	7500
	Flame Retardance Test on single cable	15.1.1 Section 4, 16.5 of IS 7098-1, IS 10810-61				5625	6750	7500
	Flame Retardance Test on bunched cable	15.1.1 Section 4, 16.6 of IS 7098-1, IS 10810-62				8250	9900	11000
	Test for specific optical density of smoke	15.1.1 Section 4, 16.7 of IS 7098-1				8250	9900	11000
	Temperature Index	15.1.1 Section 4, 16.9 of IS 7098-1, IS 10810-64				5625	6750	7500
	Smoke Density	15.1.1 Section 4, 16.10 of IS 7098-1, IS 10810-63				5625	6750	7500

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		Test for Halogen acid gas evolution	15.1.1 Section 4, 16.8 of IS 7098-1, IS 10810-59			5625	6750	7500
23	Electric instantaneous water heaters	Markings and Instructions	7	8978	1992	1425	1710	1900
		Protection against access to live parts	8			1650	1980	2200
		Finish	10			1425	1710	1900
		Power Input & Current	10			1725	2070	2300
		Leakage current & electric strength at operating temperature	13			1425	1710	1900
		Construction	22			1425	1710	1900
		Provision for Earthing	27			1650	1980	2200
		Endurance	12			3750	4500	5000
		Heating	11			4050	4860	5400
		Moisture Resistance	15			3750	4500	5000
		Transient Overvoltage	14			2250	2700	3000
		Leakage Current & Electric Strength	16			1575	1890	2100
		Overload Protection of Transformers and associated circuits	17			1350	1620	1800
		Abnormal Operation	19			2625	3150	3500
		Operation of Flow Switch	11			1425	1710	1900
		Stability & Mechanical Hazards	20			1425	1710	1900
		Mechanical Strength	21			1425	1710	1900
		Internal Wiring	23			1425	1710	1900
		Components	24			1425	1710	1900
		Supply Connections & external flexible cords	25			1425	1710	1900
	Terminals for external conductors	26			1425	1710	1900	
	Screws & Connections	28			1425	1710	1900	
	Clearances, creepage distances & solid insulation	29			1425	1710	1900	
	Resistance to heat & fire	30			2250	2700	3000	
	Resistance to rusting	31			1650	1980	2200	
24		Tensile strength (for Al, before stranding)	10.1 (a) i of IS 14255, 7.2.1 of IS 8130, IS 10810-2	14255	1995	1275	1530	1700
		Wrapping (for Al)	10.1 (a) ii of IS 14255, 7.2.2 of IS 8130, IS 10810-3			1275	1530	1700
		Conductor Resistance	10.1 (a) iii of IS 14255, 7.3, Table 2 of IS 8130, IS 10810-5			2475	2970	3300
		Breaking Load	10.1 (b) i, Table 3 of IS 14255, IS 10810-2			1425	1710	1900
		Elongation test	10.1 (b) ii, 11.3 of IS 14255			1050	1260	1400
		Resistance test	10.1 (b) iii, Table 3 of IS 14255, IS 10810-5			1275	1530	1700
		Tensile strength and elongation and break	10.1 (c) i, 5.1, Table 1 of IS 14255, IS 10810-7			2100	2520	2800


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Aerial Bunched Cables for working voltages upto and including 1100 Volts	Ageing in air oven	10.1 (c) ii, 5.1, Table 1 of IS 14255, IS 10810-11			3000	3600	4000
	Hot Set Test	10.1 (c) iii, 5.1, Table 1 of IS 14255, IS 10810-30			2400	2880	3200
	Shrinkage	10.1 (c) iv, 5.1, Table 1 of IS 14255, IS 10810-12			1275	1530	1700
	Water absorption (Gravimetric)	10.1 (c) v, 5.1, Table 1 of IS 14255, IS 10810-33			3450	4140	4600
	Tensile strength and elongation and break	10.1 (d) i, 5.1, Table 2 of IS 14255, IS 10810-7			2250	2700	3000
	Test for Thickness of Insulation	7, Table 4 of IS 14255, 10810-8			1275	1530	1700
	Insulation Resistance Test Volume Resistivity Test	10.1 (f), 5.1, Table 1 and 2 of IS 14255, IS 10810-43			2475	2970	3300
	High Voltage Test	10.1 (g), 11.2 of IS 14255, IS 10810-45			2625	3150	3500
	Banding Test Optional	10.4, 11.4 of			1650	1980	2200
	Marking	6			375	450	500
Lamp Dimension	7			750	900	1000	
Photometric Requirement – Initial Rating (Wattage & Lumen)	8.1 & 8.2	418	2004	1500	1800	25W-2000	
				2250	2700	40W-3000	
				2625	3150	60W-3500	
				3750	4500	100W-5000	
				6750	8100	200W-9000	
				3000	3600	25W-4000	
				3375	4050	40W-4500	
4125	4950	60W-5500					
6375	7650	100W-8500					
13500	16200	200W-18000					
Marking legibility & Marking durability	4.2.1 & Table-7 of IS 15518(Part 1) : 2004			750	900	1000	


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25 TUNGSTEN FILAMENT LAMPS FOR DOMESTIC AND SIMILAR GENERAL LIGHTING PURPOSE for 25W -200W

Presence of required symbol	4.2.2 & Table-7 of IS 15518(Part 1) : 2004
Accidental Contact(Edison Screw Caps)	4.3& Table-7 of IS 15518(Part 1) : 2004
Lamp Cap Temperature rise test	4.4 & Table-7 & Table -2 of IS 15518(Part 1) : 2004
Resistance to torque(unused lamps)	4.5.2 & Table-7
	of IS 15518(Part 1) : 2004
Resistance to torque(After heating)	4.5.3 & Table-7 of IS 15518(Part 1) : 2004
Insulation Resistance	4.6 & Table-7 of IS 15518(Part 1) : 2004
Accidental Live Parts (On Lamp Caps)	4.7 & Table-7 of IS 15518(Part 1) : 2004

15518 1 2004

750	900	1000
750	900	1000
1500	1800	25W-2000
2250	2700	40W-3000
3000	3600	60W-4000
3750	4500	100W-5000
7500	9000	200W-10000
2250	2700	25W-3000
2250	2700	40W-3000
3000	3600	60W-4000
3750	4500	100W-5000
7500	9000	200W-10000
3750	4500	25W-5000
5250	6300	40W-7000
6750	8100	60W-9000
11250	13500	100W-15000
15000	18000	200W-20000
1500	1800	25W-2000
1500	1800	40W-2000
2250	2700	60W-3000
3000	3600	100W-4000
7500	9000	200W-10000
750	900	1000

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		Creepage Distance	4.8			750	900	25W, 40W, 60W,100 W -1000
			& Table-7 of IS 15518(Part 1) : 2004					
		Safety at End of Life	4.9 Cl.4.6& Table-7 of IS 15518(Part 1) : 2004			1125	1350	200W - 1500
						4125	4950	25W- 5500
						6375	7650	40W- 8500
						8250	9900	60W- 11000
						14250	17100	100W- 19000
						30000	36000	200W- 40000
		Interchangeability	4.10 & Table-7 of IS 15518(Part 1) : 2004			750	900	25W, 40W, 60W - 1000
						0	0	
						1500	1800	100W & 200W- 2000
	Low Carbon Galvanised	Dimensions &Tolerance		3975	1999	750	900	1000
	steel Wires, Formed Wire & Tapes For Armouring Of Cables	Mechanical Property	7			0	0	
26		Tensile Strength Elongation at break	8.1			1425	1710	1900
		Torsion test for round wires	8.2			975	1170	1300
		winding test for formed wires	8.3			975	1170	1300
		Resistance Test (Resistivity)	8.4			2850	3420	3800
		Uniformity of zinc coating Mass of Zinc coating	9			2325	2790	3100
27	Tungsten Filament	Glass Shell	3.1	6701	1985	375	450	500
		Lamp Dimension	3.2			750	900	1000
		Caps	3.3.1			750	900	1000
		Torsion Test	3.3.2			1500	1800	2000
		Insulation Resistance	3.3.3			750	900	1000
	Miscellaneous	Solder	3.4			750	900	1000
	Electric Lamp	Marking	5			375	450	500
		For testing of Initial Rating (Wattage & Lumen)	6.1.3, 6.1.4 6.2.1 & 7.3			1875	2250	2500
		For Lumen Maintenance Average Life & Individual Life	6.1.5 , 6.2.2 & 7.5			2250	2700	3000


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28	Multipurpose Dry Batteries	Checking of Dimensions	5.0	8144		2018	750	900	1000
	(R03,R06,R14,	Checking of Terminals	6				375	450	500
	R20)	Checking of Marking	8				375	450	500
		Initial Life Test	9.4				1875	2250	2500
		Delayed Life Test	9.5				1875	2250	2500
		Leakage Test	9.6				1125	1350	1500
		Delayed Life Test under dry heat condition	9.7				3000	3600	4000
29	Self Ballasted Lamps For General Lighting services	Marking	Cl. 6	15111	1	2002	375	450	500
		Interchangeability	7				750	900	1000
		Protection Against Electric Shock	8				750	900	1000
		Insulation resistance and Electric strength after humidity treatment	9				1500	1800	2000
		Mechanical Strength	10.0				750	900	1000
		Cap Temperature rise	11.0				750	900	1000
		Resistance to Heat	12.0				1875	2250	2500
		Resistance to flame and ignition	13				1875	2250	2500
		Fault conditions	14				750	900	1000
30	Self Ballasted Lamps For General Lighting Services			15111	2	2002			
		Dimension	6				750	900	1000
		Starting and run-up	8				750	900	1000
		Lamp Wattage	9				750	900	Upto 15W rating of CFL-1000
							1425	1710	From 16 to 25W rating of CFL-1900
		Luminous Flux	10				900	1080	Upto 15W rating of CFL-1200
							1350	1620	From 16 to 25W rating of CFL-1800
		Colour	11				375	450	500
		Luminous Maintenance	12				750	900	1000
							0	0	0

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						3000	3600	Upto 15W rating of CFL-4000
	Life	13				4875	5850	From 16 to 25W rating of CFL-6500
	Harmonics	14				750	900	1000
						0	0	0
	Lamp efficacy	15				375	450	500
	Power Factor	16				750	900	1000
	Emission (radiated and conducted) of radio frequency disturbances	Table C1 & C2 as per Amdt.-06 of IS: 15111(Pt-2)				4725	5670	6300
						0	0	0
						0	0	0
	Marking	16102-1-20125				375	450	500
	Interchangeability	6				750	900	1000
	Protection Against Electric Shock	7				750	900	1000
	Insulation resistance and Electric strength after humidity treatment	8				1500	1800	2000
	Mechanical Strength	9				750	900	1000
	Cap Temperature rise	10				750	900	1000
	Resistance to Heat	11				1500	1800	2000
	Resistance to flame and ignition	12				1500	1800	2000
	Fault conditions	13				750	900	1000
	Creepage Distance & Clearance	14				750	900	1000
		16102-2-2017				0	0	0
	Marking	5				450	540	600
	Dimension	6				975	1170	1300
	Wattage and power factor	8.1 and 8.2				750	900	1000
	Luminous flux and efficacy	9.1 and 9.3				1875	2250	2500
	Colour chromaticity and colour rendering index (CRI)	10.1 and 10.2				1875	2250	2500
	Life	11				4200	5040	5600
	Harmonics	8.3				975	1170	1300
	Emission (radiated and conducted) of radio frequency disturbances	8.4				4725	5670	6300
		10322-Pt-5-Sec-3-2012				0	0	
	Marking	6				375	450	500
	Creepage distances and clearances	8				375	450	500
	Provision for earthing	9				375	450	500
	Terminals	10				375	450	500
	EXTERNAL AND INTERNAL WIRING	11				375	450	500
	Protection against electric shock	12				375	450	500
	Endurance tests and thermal tests	13				2850	3420	3800

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		Resistance to dust and moisture	14			4725	5670	6300
		Insulation resistance and electric strength	15			1500	1800	2000
		Resistance to heat, fire and tracking	16			975	1170	1300
		Photometric Tests (Chromaticity Coordinate, CCT, Dominant WL, Purity, Render Index, Flux, Efficacy), Voltage, Current, Power & Harmonic	--			4725	5670	6300
34	Flood Lights	Marking	10322-Pt-5-Sec-5-2013 - 6.0			375	450	500
		Creepage distances and clearances	8			375	450	500
		Provision for earthing	9			375	450	500
		Terminals	10			375	450	500
		EXTERNAL AND INTERNAL WIRING	11			375	450	500
		Protection against electric shock	12			375	450	500
		Endurance tests and thermal tests	13			2850	3420	3800
		Resistance to dust and moisture	14			4725	5670	6300
		Insulation resistance and electric strength	15			1500	1800	2000
		Resistance to heat, fire and tracking	16			975	1170	1300
		Photometric Tests (Chromaticity Coordinate, CCT, Dominant WL, Purity, Render Index, Flux, Efficacy), Voltage, Current, Power & Harmonic	--			4725	5670	6300
35	Fixed General Purpose Luminaires	Marking	10322-Pt-5-Sec-1-2012 - 6.0			375	450	500
		Creepage Distances And Clearances	8			375	450	500
		Provision For Earthing	9			375	450	500
		Terminals	10			375	450	500
		EXTERNAL AND INTERNAL WIRING	11			375	450	500
		Protection against electric shock	12			375	450	500
		Endurance tests and thermal tests	13			2850	3420	3800
		Resistance to dust and moisture	14			4725	5670	6300
		Insulation resistance and electric strength	15			1500	1800	2000
		Resistance to heat, fire and tracking	16			975	1170	1300
		Photometric Tests (Chromaticity Coordinate, CCT, Dominant WL, Purity, Render Index, Flux, Efficacy), Voltage, Current, Power & Harmonic	--			4725	5670	6300
36	General Requirements For Enclosures For Accessories For Household And Similar Fixed Electrical Installations		14772-2020			0	0	
		Ratings	6			375	450	500
		Classification	7			375	450	500
		Marking	8			375	450	500
		Dimensions	9			375	450	500
		Protection against electric shock	10			375	450	500
		Provision for earthing	11			375	450	500
		Construction	12			375	450	500
		Resistance to ageing, protection against ingress of solid objects and against harmful ingress of water	13			1500	1800	2000
		Insulation resistance and electric strength	14			750	900	1000


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		Mechanical strength	15				375	450	500
		Resistance to heat	16				375	450	500
		Creepage distance, clearance and distance through seating compound	17				375	450	500
		Resistance of insulating material to abnormal heat and fire	18				750	900	1000
		Resistance to tracking	19				375	450	500
		Resistance to corrosion	20				375	450	500
				3854			0	0	
		Rating	6				375	450	500
		Classification	7				375	450	500
		Marking,	8				375	450	500
		Checking of Dimensions,	9				750	900	1000
		Protection against electric shock,	10				375	450	500
		Provision for earthing ,	11				375	450	500
		Resistance to ageing, to harmful ingress water and humidity	15				1500	1800	2000
		Insulation Resistance and Electric Strength	16				1500	1800	2000
		Temperature Rise	17				1500	1800	2000
		Mechanical strength,	20				750	900	1000
		Resistance to heat,	21				750	900	1000
		Resistance of insulating material to abnormal heat and fire.	24.1				1500	1800	2000
		Resistance of tracking	24.2				750	900	1000
		Resistance to rusting	25				375	450	500
		Visual Examination	2086-1993 -9.1				375	450	500
		Test Of Dimension	9.2				750	900	1000
		Test Of Mechanical Endurance	9.3				1500	1800	2000
		Test Of Mechanical Strength,	9.4				750	900	1000
		Test of Withdrawal Force	9.5				750	900	1000
		Test of Temperature Rise	9.6				1500	1800	2000
		Test of Insulation Resistance	9.7				750	900	1000
		Test Of High Voltage Test	9.8				750	900	1000
		Test Of Water Absorption	9.1				750	900	1000
		Test of Test On Ceramic Material	11				1500	1800	2000
		IP Test	ISIEC 60529-2001				2850	3420	3800
		Degrees of protection against access to hazardous parts indicated by the first characteristic numeral	Table 2 of IS IEC 60529: 2001				2850	3420	3800
		Degrees of protection against water indicated by the second characteristic numeral	Table 3 of IS IEC 60529: 2001				2850	3420	3800
		Measurement of Diamrters of individual wires	Cl.12.2	IS : 398	1	1996	525	630	700 (for 7 stands)
		Aluminium conductors for					900	1080	1200 (for 7 stands)
		Breaking load of wire	Cl.12.3						

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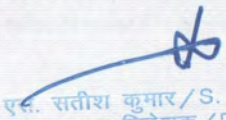
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	overhead transmission purposes, Aluminium stranded conductors	Wrapping test	Cl.12.4				525	630	700 (for 7 stands)
		Conductor Resistance	Cl.12.5				525	630	700 (for 7 stands)
		Measurement of layratio	Cl.12.6				300	360	400 (for 7 stands)
41	Aluminium conductors for overhead transmission purposes: Aluminium conductors, galvanized steel reinforced	Measurement of Diamrters of individual wires	Cl.13.2	IS : 398	2	1996	525	630	700 (for 7 stands)
		Breaking load of wire	Cl.13.3.1				1125	1350	1500 (for 7 stands)
		Ductility test	Cl.13.4				375	450	500 (for 7 stands)
		Wrapping test	Cl.13.5				525	630	700 (for 7 stands)
		Conductor Resistance	Cl.13.6				525	630	700 (for 7 stands)
		Galvanizing test	Cl.13.7				1500	1800	2000 (for 7 stands)
		Measurement of lay ratio	Cl.13.8				300	360	400 (for 7 stands)
		Surface condition test	Cl.13.9				5625	6750	7500 (for 19 stands)
		Ultimate Breaking load	Cl.13.10				5625	6750	7500 (for 19 stands)
		Stress strain test	Cl.13.11				5625	6750	7500 (for 19 stands)
42	Aluminium conductors for overhead transmission purposes: Aluminium conductors, aluminized steel	Measurement of Diamrters of individual wires	Cl.7	IS : 398	3	1976	525	630	700 (for 7 stands)

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	Breaking load of wire	Cl.12.2				1125	1350	1500 (for 7 stands)
	Ductility test	Cl.12.3				375	450	500 (for 7 stands)
	Torsion test	Cl.12.3.1				375	450	500 (for 7 stands)
	Elongation test	Cl.12.3.2				375	450	500 (for 7 stands)
	Wrapping test	Cl.12.4				450	540	600 (for 7 stands)
	Conductor Resistance	Cl.12.5				375	450	500 (for 7 stands)
	Mass of coating	Cl.12.6				1500	1800	2000 (for 7 stands)
	Measurement of lay ratio	Cl.2.4				300	360	400 (for 7 stands)
42	Measurement of Diamrters of individual wires	Cl.7	IS : 398	4	1994	525	630	700 (for 7 stands)
	Measurement of lay ratio	Cl.9.2				300	360	400 (for 7 stands)
	Breaking load of wire	Cl.12.2				900	1080	1200 (for 7 stands)
	Elongation test	Cl.12.3				375	450	500 (for 7 stands)
	Conductor Resistance	Cl.12.4				525	630	700 (for 7 stands)
						9000	10800	12000 (for 500A,20 cycles)


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43	Metal fittings of insulators for overhead power lines with nominal voltage greater than 1000 V	Heat cycle test	CI12.1.1	IS :2486	1	1993	12000	14400	16000 (for 501-1000A, 20 cycles)
							15000	18000	20000 (for 1001-2000A, 20 cycles)
							19500	23400	26000 (for 2001-3000A, 20 cycles)
44	Electric Power Connectors	Temperature rise test	CI.12	IS :5561	-	1970	1500	1800	2000 (for upto 800A and per sample)
							1875	2250	2500 (for 800-1600A and per sample)
							2625	3150	3500 (for 1601-3500A and per sample)
							3375	4050	4500 (for above 3501A and per sample)


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45	Conductors and earth wire accessories for overhead power lines, : Mid span joints and repair sleeves for conductors	Heat Cycle test	Cl.6.6	IS 2121	2	1981	9000	10800	12000 (for 500A,20 cycles)
							12000	14400	16000 (for 501-1000A, 20 cycles)
							15000	18000	20000 (for 1001-2000A, 20 cycles)
							19500	23400	26000


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Sl.	Test Facility	Product/ Material for test	Specific tests performed	Measurement range	Indian Standard Calibration Measurement/Method	Final Test Charges								
						Micro (25% Dis)	Small (10% Dis)	Medium & Non MSME						
1	2	3			4	5	6	7	8					
Additional Facility Available for calibration of Instruments/Equipments at MSME-TC,Kolkata														
Charge for Calibration of Instruments/Equipments														
Sl. No.	Discipline Group	Measured or Reference												
		Material/Type of instrument or material to be calibrated or measured Quantity												
		Measured Instrument												
Electro Technical Discipline														
	Alternating Current (< 1 GHz)	AC Voltage	1mV to 1000V @ 50 Hz	Using Multi Product Calibrator Fluke 5502A,USA by Direct Method						1125	1350	1500		
	(Source Mode)	AC Current	33 µA to 20 A @ 50 Hz Upto 10A 10 A to 20A	Using Multi Product Calibrator Fluke 5502A,USA by Direct Method	0	0								
		AC Power (At UPF)	1W to 10000W @50Hz Upto 10A 10 A to 20A	Using Multi Product Calibrator Fluke 5502A,USA by Direct Method	1125	1350	1500							
		Capacitance	220pF to 300nF	Fluke5502A,USA by Direct Method	1725	2070	2300							
		AC Current	20A to 50A @ 50Hz	Yokogawa,2558by Direct Method	2850	3420	3800							
1	Alternating Current (< 1 GHz)	AC Voltage	10mV to 1000V	Using Reference Multi Meter Fluke . 8508A by Direct Method	1125	1350	1500							
	(Measure Mode)	AC Current	29µA to 20 A Upto 10A 10 A to 20A	Using Reference Multi Meter Fluke . 8508A by Direct Method	1125	1350	1500							
		AC Current	20 A to 800A 20A-50A 50A-500A Above 500A	Using Current Transformer with Power meter by Comparison method	0	0								
		AC High Voltage	1KV to 90 KV, 50Hz	Using ACDC High Voltage. Divider KVM, 100-B,Hipotronics by Direct Method	1350	1620	1800							
					2250	2700	3000							
					2850	3420	3800							
2	Alternating Current (< 1 GHz)													
	(Measure Mode)													
			Up-to 1kV		1125	1350	1500							


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		above 1kV-to 5 kV		1350	1620	1800	
		above 5kV to 30kV		1725	2070	2300	
		above 30kV to 50 kV		2475	2970	3300	
		above 50kV to 90 kV		2850	3420	3800	
	VoltageTurn Ratio Measurement of Transformer winding	Ratio 5 to 700	Using 2 Stage Voltage Ratio Transformer, Tinsleyby Direct Method	1350	1620	1800	
		(Single Phase)		0	0		
				2250	2700	3000	
		(Three Phase)		0	0		
	Burden (VA &P.F.)(upto 63.5V &upto 5A)	2.5VA to 100VA	Using Digital Power Meter WT230,				
		(PF 0.8, 1.0)	Yokogawa , AC Voltage Current Standard,2558,Yokogawa,				
		For one Ratio	by Comparison method	975	1170	1300	
		Each remaining Ratio		750	900	1000	
	AC Current Ratio	5A5A to 50A5A	Using AC Voltage CurrentStandard,2558,Yokogaw ,Digital Power Meter,WT230 ,Yokogawa				
			by Comparison method				
		For CTs					
		For one Ratio		1125	1350	1500	
		Each remaining Ratio					
	AC Current Ratio	50A5A to 800A5A	Using CT with Digital Power Meter,				
			by Comparison method				
		For CTs					
		For one Ratio		1725	2070	2300	
		Each remaining Ratio		1125	1350	1500	
	Power Factor	0.2 to unity (Lag, Lead)	Using Digital Power Meter WT 230 by Comparison method	1125	1350	1500	
3	Direct Current (Source Mode)	DC Voltage	1mV to 1000 V	Using Multi Product Calibrator Fluke5502A,USA by Direct Method	1125	1350	1500
		DC Current	10.0 μ A to 10 A	Using Multi Product Calibrator Fluke5502A,USA by Direct Method			
					1125	1350	1500
			10A to 20A		1350	1620	1800
		DC Power	1W to 12000W	Using Multi Product Calibrator Fluke5502A,USA by Direct Method	0	0	
			Upto 10A		1725	2070	2300
			Above 10A		2850	3420	3800
		DC Resistance (Low 4 Wire)	1m Ω to 10m Ω	Using Resistance Standard 4737B			
			Per range	by Direct Method	1725	2070	2300
			Complete range		4500	5400	6000
		DC Resistance (Low 4 Wire)	1 Ω	Standard Resistor, Vaiseshika Electron Devices, 9409D by Direct Method	1725	2070	2300
		DC Resistance (High 2 wire)	1 Ω to 500 G Ω	Multi Product Calibrator,			
				Fluke 5502A,USA Meg Ohm Decade Box, Tinsley, 4720by Direct Method			
			UPTO 500V, DC		1125	1350	1500
			ABOVE 500 TO 1000V,		1725	2070	2300


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 Office of the Dev. Commr. (MSME)
 निर्माण भवन, नई दिल्ली-110108 / Nirman Bhawan, New Delhi-110108

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		ABOVE 1000V TO 5000V, DC	2850	3420	3800		
4	Direct Current (Measure Mode)	DC Voltage	1.0mV to 1000V	Using Reference Multi Meter Fluke , 8508A by Direct Method	1125	1350	1500
		DC Current	10.0 μA to 10 A	Using Reference Multi Meter Fluke , 8508A by Direct Method			
					1125	1350	1500
			10A to 20A		1350	1620	1800
		DC Resistance	1Ω to 20 GΩ	Using Reference Multi Meter Fluke , 8508A by Direct Method	1350	1620	1800
	DC High Voltage	1KV to 90 KV	Using ACDC High Voltage. Divider KVM-100-B,Hipotronicsby Direct Method				
		Up-to 1kV		1125	1350	1500	
		above 1kV-to 5 kV		1350	1620	1800	
		above 5kV to 30kV		1725	2070	2300	
		above 30kV to 50 kV		2475	2970	3300	
above 50kV to 90 kV		2850		3420	3800		
5	Temperature Simulation	Temperature Simulation Method without thermocouple RTD (Indicator ControllerRecorder)		Using Multi Product Calibrator Fluke 5502A,USA by Direct Method	1350	1620	1800
		K-type -	(-)200 °C to 1300 °C				
		J-type -	(-)200 °C to 1350 °C				
		R-type -	(-)210 °C to 1200 °C				
		S-type-	150 °C to 1700 °C				
			150 °C to 1700 °C				
6	Time & Frequency	Frequency	10 Hz to 1 MHz	Using Multi Product Calibrator Fluke5502A,USA by Direct Method	1125	1350	1500
		(Source Mode)			0	0	
	(Measure Mode)	Frequency	50 Hz to 1 MHz	Using Reference Multi Meter Fluke , 8508A by Direct Method	1125	1350	1500
		Time	5s to 90 Min	Using Programmable Time Totalizer , TIM-T, Prestigeby Comparison method	1350	1620	1800
On Site Calibration							
7	Alternating Current (< 1 GHz) (Measure Mode)	AC High Voltage 1KV to 90 KV, 50Hz	Up-to 1KV	Using ACDC High Voltage. Divider KVM-100-B,Hipotronics by Direct Method	1125	1350	1500
			above 1kV-to 5 kV		1350	1620	1800
			above 5kV to 30kV		1725	2070	2300
			above 30kV to 50 kV		2475	2970	3300
			above 50kV to 90 kV		2850	3420	3800
			AC Current		5mA to 20A	Using Digital Power Meter WT 230by Direct Method	1125
	AC Current	20A to 400A	Using Current Transformer with Digital Power Meter. WT230by Comparison method	1125	1350	1500	

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	VoltageTurn Ratio Measurement of Transformer winding	Ratio 5 to 700 (Single Phase)	Using 2 Stage Voltage Ratio Transformer, Tinsleyby Direct Method	1350	1620	1800		
		(Three Phase)		2250	2700	3000		
8	Direct Current (Measure Mode)	DC High Voltage	1KV to 90 KV	Using ACDC High Voltage. Divider KVM-100-B,Hipotronics by Direct Method				
			Up-to 1kV		1125	1350	1500	
			above 1kV-to 5 kV		1350	1620	1800	
			above 5kV to 30kV		1725	2070	2300	
			above 30kV to 50 kV		2475	2970	3300	
			above 50kV to 90 kV		2850	3420	3800	
	DC Current	5mA to 20A	Using Digital Power Meter, WT230, Yokogawa by Direct Method	1125	1350	1500		
	DC Voltage	10mV to 300V	Using Digital Multimeter, H.P.,34401Aby Direct Method	1125	1350	1500		
Thermal Discipline (In-house & AT Site)								
9	Temperature	RTD Temperature IndicatorControllers	50° C to 200° C 300°C to 500°C >500°C to 1200°C	Using Digital Temperature Indicator with Sensor(SPRT) Multifunction Calibrator R- Type Thermocouple by Comparison method	1350	1620	1800	
		Digital Thermometer						
		Recorder with sensors(Type k, R, J, S & Pt-100)			2850	3420	3800	
10	DC Resistance	Million Meg-ohm Meter	Upto 500Gohmper voltage	Meg Ohm Decade Box, Tinsley, 4720by Direct Method	3375	4050	4500	
11	DC Resistance	Kelvin Double bridge	Complete range	Using Resistance Standard 4737B and Standard Resistor, Vaiseshika Electron Devices, 9409D by Direct Method	3375	4050	4500	
		Wheatstone bridge						
12	DC voltage & Current	mVmA SourceMeasure Instruments	4 ranges	Using Reference Multi Meter Fluke , 8508A by Direct Method	3375	4050	4500	
			For additional range		1125	1350	1500	
13	DC Resistance	Decade Resistance Box	For 1st Dial	Using Resistance Standard 4737B and Standard Resistor, Vaiseshika Electron Devices, 9409D and Meg Ohm Decade Box, Tinsley, 4720 by Direct Method	1125	1350	1500	
			For 2 nd Dial		1725	2070	2300	
			After three dial		2850	3420	3800	
14	DC Resistance	MeggerInsulation TesterEearth Tester	Upto 500Gohms	Using Resistance Standard 4737B and Standard Resistor, Vaiseshika Electron Devices, 9409D and Meg Ohm Decade Box, Tinsley, 4720 by Direct Method				
			UPTO 500V, DC		1125	1350	1500	
			ABOVE 500 TO 1000V, DC		1725	2070	2300	
			ABOVE 1000V TO 5000V, DC		2850	3420	3800	
15	ACDC Voltage	DMMs (up-to 4 &12) & Analog Multimeters:	Complete range (@ 1 pointRange)	Using Multi Product Calibrator Fluke 5502A,USA by Direct Method	3375	4050	4500	
			Current, Resistance ,Frequency	V,I,R parameters only				
				(@ 1 pointRange)		2250	2700	3000
				Complete Instrument				
				(@ 5 pointRange)		5625	6750	7500


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16	ACDC Voltage	Digital Power meter 1 phase1 Channel	one point calibration (complete)	Using Multi Product Calibrator Fluke 5502A,USA by Direct Method	16875	20250	22500
	Current,Resistance, Frequency						
		Digital Power meter 1 phase1 Channel	one point calibration (VIRF range only)				
		Digital Power meter 3 phase3 Channel			11250	13500	15000
			one point calibration (complete)				
		Digital Power meter 3 phase 3Channel	one point calibration (VIRF range only)		20250	24300	27000
					16875	20250	22500
17	DC Resistance	Transformer winding Resistance Meter	(Singleone Element)	Using Resistance Standard 4737B and Standard Resistor, Vaiseshika Electron Devices, 9409D and Meg Ohm Decade Box, Tinsley, 4720 by Direct Method	3375	4050	4500
		Transformer winding Resistance Meter					
			(SingleTwo or Three				
					5625	6750	7500
18	ACDC Voltage	Clamp-on meter		Using Multi Product Calibrator Fluke 5502A,USA by Direct Method			
	Current,Resistance, Frequency	Tong Tester	Per Range		1725	2070	2300
			Complete range (one point calibration)		5100	6120	6800
19	ACDC Voltage & Current, Frequency, Capacitance, Resistance	Multi product Multifunction Calibratorsourcemeasure	Complete range (@ 1 point) ACDC Voltage & Current, Frequency,	Using Reference Multi Meter Fluke , 8508A by Direct Method	28125	33750	37500
				For Multi product source and Using Multi Product Calibrator Fluke 5502A,USA by Direct Method for Multifunction Calibratorsmeasure			
			Extra point			225	270
20	ACDC Voltage & Current, Frequency, PF	Panel Type Meter (Voltmeter, Ammeter, KV Meter, Frequency, PF Meter)	Complete range with three point calibration	Using Multi Product Calibrator Fluke 5502A,USA by Direct Method	750	900	1000
<p>Note : The Above Calibration charge for three points per range only and For additional point Rs. 300(MSME) extra charge</p>							


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