Calibration Charges: D1.01, Mass Standards (w.e.f. 01.04.2021)

Mass Standards

Sl. No.	Parameter	Item Type / Group	Item Name	Alias Name	Range	No. of Points for Calibration / Procedure No.	Limitation / Condition	Charges per Item Rs.	Additional Charges Rs.	Description for Additional Charges	Remarks, if any
1	Mass	Weight	A Set of Weights, [Class E1 / ASTM 0]		1 mg to 10 kg			110000			Charges will be double in case of ASTM standard [E617]
2	Mass	Weight	A Set of Weights, [Class E1 / ASTM 0]		1 mg to 200 g			90900			Charges will be double in case of ASTM standard [E617]
3	Mass	Weight	A Set of Weights, [Class E1 / ASTM 0]		1 mg to 5 g			75400			Charges will be double in case of ASTM standard [E617]
4	Mass	Weight	A Set of Weights, [Class E1 / ASTM 0]		1 mg to 500 mg			49900			Charges will be double in case of ASTM standard [E617]
5	Mass	Weight	A Set of Weights, [Class E1 / ASTM 0]		1 g to 200 g			44000			Charges will be double in case of ASTM standard [E617]
6	Mass	Weight	Assorted Weight, [Class E1 / ASTM 0]		1 mg to 1 kg (per Decade : 1,1,2,2,5 only)			19500			Charges will be double in case of ASTM standard [E617]
7	Mass	Weight	Assorted Weight, [Class E1 / ASTM 0]		Above 1 kg to 10 kg (per Decade : 1,1,2,2,5,10 only)			26200			Charges will be double in case of ASTM standard [E617]
8	Mass	Weight	Assorted Weight, [Class E1 / ASTM 0]		20 kg & 50 kg (per weight)			26200			Charges will be double in case of ASTM standard [E617]
9	Mass	Weight	A Set of Weights, [Class E2 / ASTM 1]		1 mg to 10 kg			52300			Charges will be double in case of ASTM standard [E617]
10	Mass	Weight	A Set of Weights, [Class E2 / ASTM 1]		1 mg to 200 g			40800			Charges will be double in case of ASTM standard [E617]
11	Mass	Weight	A Set of Weights, [Class E2 / ASTM 1]		1 mg to 5 g			27700			Charges will be double in case of ASTM standard [E617]
12	Mass	Weight	A Set of Weights, [Class E2 / ASTM 1]		1 mg to 500 mg			23200			Charges will be double in case of ASTM standard [E617]
13	Mass	Weight	A Set of Weights, [Class E2 / ASTM 1]		1 g to 200 g			19100			Charges will be double in case of ASTM standard [E617]
14	Mass	Weight	Assorted Weight, [Class E2 / ASTM 1]		1 mg to 1 kg			4800			Charges will be double in case of ASTM standard [E617]
15	Mass	Weight	Assorted Weight, [Class E2 / ASTM 1]		Above 1 kg to 50 kg			7800			Charges will be double in case of ASTM standard [E617]
16	Mass	Weight	Assorted Weight, [Class F1 / ASTM 2]		500 g to 50 kg			3900			Charges will be double in case of ASTM standard [E617]
17	Mass	Weight	Assorted Weights [Class F2 & lower / ASTM 3 & lower]		Above 50 kg to 500 kg			5300			Charges will be double in case of ASTM standard [E617]

18	Mass	Weight	Assorted Weights [Class F2 & lower / ASTM 3 & lower]		Above 500 kg to 2000 kg			9200			Charges will be double in case of ASTM standard [E617]
19	Mass	Weight	Assorted Dead Weight		1 mg to 2000 kg			9800	5800	Charges per weight for Adjustment (if required)	
20	Mass	Weight	Reference Standard (Set of 28 Weights)		1 mg to 5 kg	Initial Calibration (including adjustment, aging and final calibration)		53900			Legal Metrology
21	Mass	Weight	Reference Standard (Set of 28 Weights)		1 mg to 5 kg	Subsequent (Not Initial) Calibration		36100			Legal Metrology
22	Mass	Weight	Secondary Standard (Set of 29 Weights)		1 mg to 10 kg	Initial Calibration (including adjustment, aging and final calibration)		36100			Legal Metrology
23	Mass	Weight	Secondary Standard (Set of 29 Weights)		1 mg to 10 kg	Subsequent (Not Initial) Calibration		30800			Legal Metrology
24	Mass	Weighing Instrument	Two Pan Equal-Arm Balance		Upto 10 kg			27500			
25	Mass	Weighing Instrument	Two Pan Equal-Arm Balance		Above 10 kg to 50 kg			32300			
26	Mass	Weighing Instrument	Two Pan Equal-Arm Balance		Above 50 kg to 500 kg			37200			
27	Mass	Weighing Instrument	Electronic Weighing Machine		Upto 10 kg	OIML R-76		27500			
28	Mass	Weighing Instrument	Electronic Weighing Machine		Above 10 kg to 50 kg	OIML R-76		32300			
29	Mass	Weighing Instrument	Electronic Weighing Machine		Above 50 kg to 500 kg	OIML R-76		37200			
30	Mass	Weighing Instrument	Electronic Weighing Machine		Above 500 kg to 2000 kg	OIML R-76		42500			
31	Mass	Weighing Instrument	Electronic Weighing Machine		Above 2000 kg to 3000 kg	OIML R-76		52000			
32	Mass	Weighing Instrument	Electronic Weighing Machine		Above 3000 kg to 10000 kg	OIML R-76		125000			
33	Volume	Pipette	Micro-Pipette	Syringe		Single Point		4400			
34	Volume	Pipette	Micro-Pipette	Syringe		3 Points (for variable Micro-Pipette)		12000			
35	Volume	Volumetric Measure/Glassware	Volumetric Measure/Glassware		1 mL to 100 mL	Single Point	At 27 degree C	5000			
36	Volume	Volumetric Measure/Glassware	Volumetric Measure/Glassware		Above 100 mL to 2 L	Single Point	At 27 degree C	6000			
37	Volume	Large Volumetric Measure	Large Volumetric Measure		Above 2 L to 20 L	Single Point	At 27 degree C	11600			
38	Volume	Large Volumetric Measure	Large Volumetric Measure		Above 20 L to 50 L	Single Point	At 27 degree C	16900			
39	Volume	Large Volumetric Measure	Large Volumetric Measure		Above 50 L to 100 L	Single Point	At 27 degree C	20700			
40	Volume	Large Volumetric Measure	Large Volumetric Measure		Above 100 L to 500 L	Single Point	At 27 degree C	38500			
41	Volume	Large Volumetric Measure	Large Volumetric Measure		Above 500 L to 2000 L	Single Point	At 27 degree C	49200			
42	Volume	Secondary Standard	Secondary Standard (Set of 9 measures)		10 ml to 5 L	Initial calibration i.e. adjusting the capacity and final calibration	At 27 degree C	38500			Legal Metrology
43	Volume	Secondary Standard	Secondary Standard (Set of 9 measures)		10 ml to 5 L	Subsequent (Not Initial) Calibration	At 27 degree C	30800			Legal Metrology
44	Density	Glass	Density		650 to 1400	4 points as per IS	At 15, 20, 27.5	10800	2900	For each	Scale calibration

		Hydrometer	Hydrometers		kg/cubic meter L.C. 0.0005	3104 (Part I & II) at One Temp.	& 28.89 degree C			additional point	
45	Density	Glass Hydrometer	Density Hydrometers		650 to 1400 kg/cubic meter L.C. 0.0002	4 points as per IS 3104 (Part I & II) at One Temp.	At 15, 20, 27.5 & 28.89 degree C	13100	3400	For each additional point	Scale calibration
46	Density	Glass Hydrometer	Density Hydrometers		Below 650 and above 1400 kg/cubic meter L.C. 0.0005	4 points as per IS 3104 (Part I & II) at One Temp.	At 15, 20, 27.5 & 28.89 degree C	13100	3400	For each additional point	Scale calibration
47	Density	Glass Hydrometer	Density Hydrometers		Below 650 and above 1400 kg/cubic meter L.C. 0.0002	4 points as per IS 3104 (Part I & II) at One Temp.	At 15, 20, 27.5 & 28.89 degree C	15400	3900	For each additional point	Scale calibration
48	Density	Glass Hydrometer	Specific Gravity Hydrometers		0.650 to 1.400 sp.gr. L.C upto 0.001	4 points at One Temp.	At 15, 20, 27.5 & 28.89 degree C	15400	3900	For each additional point	Scale calibration
49	Density	Glass Hydrometer	Specific Gravity Hydrometers		0.650 to 1.400 sp.gr. L.C upto 0.0005	4 points at One Temp.	At 15, 20, 27.5 & 28.89 degree C	16200	3900	For each additional point	Scale calibration
50	Density	Glass Hydrometer	Specific Gravity Hydrometers		0.650 to 1.400 sp.gr. L.C = 0.0002	4 points at One Temp.	At 15, 20, 27.5 & 28.89 degree C	20700	5200	For each additional point	Scale calibration
51	Density	Glass Hydrometer	Specific Gravity Hydrometers		Below 0.650 and above 1.400 sp.gr. L.C upto 0.001	4 points at One Temp.	At 15, 20, 27.5 & 28.89 degree C	16900	4300	For each additional point	Scale calibration
52	Density	Glass Hydrometer	Specific Gravity Hydrometers		Below 0.650 and above 1.400 sp.gr. L.C = 0.0002	4 points at One Temp.	At 15, 20, 27.5 & 28.89 degree C	23200	5600	For each additional point	Scale calibration
53	Density	Glass Hydrometer	Brix Hydrometer		0 to 30 degree Brix	4 points as per IS 7324 at One Temp.	At 15, 20, 27.5 & 28.89 degree C	9200	2400	For each additional point	IS 3104 (Part I & II) at One Temp.& Scale Calibration
54	Density	Glass Hydrometer	Brix Hydrometer		Above 30 degree Brix	4 points as per IS 7324 at One Temp.	At 15, 20, 27.5 & 28.89 degree C	10800	2700	For each additional point	Scale calibration
55	Density	Glass Hydrometer	Lactometer		1.000 to 1.040 sp. Gr.	4 points as per IS 9585 at One Temp.	At 15, 20, 27.5 & 28.89 degree C	10800	2700	For each additional point	Scale calibration
56	Density	Glass Hydrometer	Alcoholmeter		(0 to 100) % V/V	4 points as per IS 3608 (Part I & II) at One Temp.	At 15, 20, 27.5 & 28.89 degree C	10800	2700	For each additional point	Scale calibration
57	Density	Glass Hydrometer	Sikes		0 - 100	4 points at One Temp.	At 10.54, 15, 20, 27.5 & 28.89 degree C	10800	2700	For each additional point	Scale calibration
58	Density	Glass Hydrometer	High precision Hydrometer (Reference Hydrometer)			4 points at One Temp.	At 15, 20, 27.5 & 28.89 degree C	23900	9400	For each additional point	By Hydrostatic Weighing method
59	Density	Solid	Solid with polished surface			Single Point	At 27 degree C	13900			non-absorbent and non-reactive with Xylene, Tetra-Chloroethylene and Fluoro-carbon
60	Density	Liquid	Liquid				At 27 degree C	5500			
61	Viscosity	Viscometer	Glass Capillary Viscometer (Direct Flow)		Upto 1 cSt/s	At one temp.		12300			
62	Viscosity	Viscometer	Glass Capillary Viscometer (Reverse Flow)		Upto 1 cSt/s	At one temp.		19100			
63	Viscosity	Viscometer	Glass Capillary Viscometer (Direct Flow)		Above 1 cSt/s to 10 cSt/s	At one temp.		15400			
64	Viscosity	Viscometer	Glass Capillary Viscometer (Reverse Flow)		Above 1 cSt/s to 10 cSt/s	At one temp.		23900			
65	Viscosity	Viscometer	Flow Cup	Ford Cup				16900			
66	Viscosity	Newtonian liquids	Transaparent liquids		Upto 1000 cSt	At one temp.		14600			
67	Viscosity	Newtonian liquids	Transaparent liquids		Above 1000 cSt to 10000 cSt	At one temp.		16900			

Note : **1. Acceptance of tatkal case will be decided as per present work load**
2. * Calibrtaion of balance should be done at site only. calibration duration may be changed subject to distance of the location from Lab.