

**Calibration Charges: D 2.02, AC High Voltage & Current Metrology Section (w.e.f. 01.04.2021)**

**AC High Current, AC High Voltage, AC High Current Ratio, AC High Voltage Ratio, Voltage & Current Burden, Capacitance and Loss factor (Tan Delta), High Voltage Capacitor, HV Dividers, etc.**

Sl. No.	Parameter	Item Type / Group	Item Name	Alias Name	Range	No. of Points for Calibration	Limitation / Condition	Calibration Charges per Item (Rs.)	Additional Charges Rs.	Description for Additional Charges	Remarks, if any
1	AC High Current Ratio	Current Transformer	Standard CT		Upto 1000 A	4	At 50 Hz	10400	7800	For each additional ratio & each additional burden	4 calibration points means 4 percentages of single ratio only i.e. Single ratio at 4 percentages i.e. at 5%, 20%, 100% and 120% Tuning Charges extra @25%
2	AC High Current Ratio	Current Transformer	Standard CT		Above 1000 A upto 2500A	4	At 50 Hz	12900	10200	For each additional ratio & each additional burden	4 calibration points means 4 percentages of single ratio only i.e. Single ratio at 4 percentages i.e. at 5%, 20%, 100% and 120% Tuning Charges extra @25%
3	AC High Current Ratio	Current Transformer	Standard CT		Above 2500A Upto 5000 A	4	At 50 Hz	20700	13800	For each additional ratio & each additional burden	4 calibration points means 4 percentages of single ratio only i.e. Single ratio at 4 percentages i.e. at 5%, 20%, 100% and 120% Tuning Charges extra @25%
4	AC High Current Ratio	Current Transformer	Standard CT		Above 5000A Upto 10000 A	4	At 50 Hz	25800	17300	For each additional ratio & each additional burden	4 calibration points means 4 percentages of single ratio only i.e. Single ratio at 4 percentages i.e. at 5%, 20%, 100% and 120% Tuning Charges extra @25%
5	AC High Current Ratio	C T Test Set , CT Bridge	CTTS (part of AITTS / ITTS), CT Bridge		5 A & 1 A	4	At 50 Hz	51900	28800	For each additional secondary Current	Upto 4 ratios for single secondary current.
6	AC High Voltage Ratio	Voltage Transformer	Standard PT/ Standard Capacitor with EPD		Upto 1 kV	3	At 50 Hz	12600	8300	For each additional ratio & each additional burden	3 calibration points means 3 percentages of single ratio only i.e. Single ratio calibration at 80%, 100% & 120%. Tuning Charges extra @25%
7	AC High Voltage Ratio	Voltage Transformer	Standard PT/ Standard Capacitor with EPD		Above 1 kV and upto 11 kV	3	At 50 Hz	17400	12100	For each additional ratio & each additional burden	3 calibration points means 3 percentages of single ratio only i.e. Single ratio calibration at 80%, 100% & 120%. Tuning (Burden Selection) - Charges extra @25%
8	AC High Voltage Ratio	Voltage Transformer	Standard PT/ Standard Capacitor with EPD		Above 11 kV and upto 22 kV	3	At 50 Hz	25900	17400	For each additional ratio & each additional burden	3 calibration points means 3 percentages of single ratio only i.e. Single ratio calibration at 80%, 100% & 120%. Tuning Charges extra @25%
9	AC High Voltage Ratio	Voltage Transformer	Standard PT/ Standard Capacitor with EPD		Above 22kV and upto 33 kV	3	At 50 Hz	35700	26500	For each additional ratio & each additional burden	3 calibration points means 3 percentages of single ratio only i.e. Single ratio calibration at 80%, 100% & 120%. Tuning Charges extra @25%

10	AC High Voltage Ratio	Voltage Transformer	Standard PT/ Standard Capacitor with EPD		Above 33kV and upto 100 kV	3	At 50 Hz	88300	35750	For each additional ratio & each additional burden	3 calibration points means 3 percentages of single ratio only i.e. Single ratio calibration at 80%, 100% & 120%. Tuning Charges extra @25%
11	AC High Voltage Ratio	P T Test Set , PT Bridge	PTTS (part of AITTS / ITTS), PT Bridge		110 V & 110 V/sqrt(3)	3	At 50 Hz	51900	28800	For each additional secondary Voltage	Upto 3 ratios for single secondary voltage.
12	AC High Voltage	TLMS	TLMS		Upto 50 kV		At 50 Hz	78500	50800	For each additional phase	Tuning Charges extra @50%
13	AC High Voltage	TLMS	TLMS		Upto 100 kV		At 50 Hz	157000	83150	For each additional phase	Tuning Charges extra @50%
14	AC High Voltage	TLMS	TLMS		Upto 200 kV		At 50 Hz	230000	132700	For each additional phase	Tuning Charges extra @50%
15	AC High Current	Current Probe, kA Meter, AC High Current Source	Current Probe, kA Meter, AC High Current Source	Clamp Meter, Tong Tester	Upto 1000 A		At 50 Hz	18400	7800	For each additional range	upto 10 calibration points
16	AC High Current	Current Probe, kA Meter, AC High Current Source	Current Probe, kA Meter, AC High Current Source	Clamp Meter, Tong Tester	Upto 2500 A		At 50 Hz	25900	10200	For each additional range	upto 10 calibration points
17	AC High Current	Current Probe, kA Meter, AC High Current Source	Current Probe, kA Meter, AC High Current Source	Clamp Meter, Tong Tester	Upto 5000 A		At 50 Hz	41500	13850	For each additional range	upto 10 calibration points
18	AC High Voltage	H V Break-down Test Set/ AC High Voltage source	H V Tester		Upto 10 kV		At 50 Hz	31600			Single range and upto 10 calibration points.
19	AC High Voltage	H V Break-down Test Set/ AC High Voltage source	H V Tester		Upto 50 kV		At 50 Hz	51900	28800	For each additional range	Single range and upto 10 calibration points.
20	AC High Voltage	H V Break-down Test Set/ AC High Voltage source	H V Tester		Upto 100 kV		At 50 Hz	88300	35750	For each additional range	Single range and upto 10 calibration points.
21	AC High Voltage	H V Break-down Test Set/ AC High Voltage source	H V Tester		Upto 150 kV		At 50 Hz	120000	53100	For each additional range	Single range and upto 12 calibration points.
22	AC High Voltage	H V Break-down Test Set/ AC High Voltage source	H V Tester		Upto 200 kV		At 50 Hz	151000	70400	For each additional range	Single range and upto 15 calibration points. -

23	AC High Voltage	Electrostatic Voltmeter, Kilo Volt Meter	Electrostatic Voltmeter, Kilo Volt Meter, HV Divider	kV Meter	Upto 50 kV		At 50 Hz	51900	28800	For each additional range	Single range and upto 10 calibration points. Tuning Charges extra @25%
24	AC High Voltage	Electrostatic Voltmeter, Kilo Volt Meter	Electrostatic Voltmeter, Kilo Volt Meter, HV Divider	kV Meter	upto 100 kV		At 50 Hz	88300	35750	For each additional range	Single range and upto 10 calibration points. Tuning Charges extra @25%
25	AC High Voltage	Electrostatic Voltmeter, Kilo Volt Meter	Electrostatic Voltmeter, Kilo Volt Meter, HV Divider	kV Meter	upto 150 kV		At 50 Hz	120000	53100	For each additional range	Single range and upto 12 calibration points. Tuning Charges extra @25%
26	AC High Voltage	Electrostatic Voltmeter, Kilo Volt Meter	Electrostatic Voltmeter, Kilo Volt Meter, HV Divider	kV Meter	upto 200 kV		At 50 Hz	151000	70400	For each additional range	Single range and upto 15 calibration points. Tuning Charges extra @25%
27	AC High Voltage	H V Probe	H V Probe		0 to 30 kV		At 50 Hz	34500			upto 10 calibration points
28	Voltage Burden	Burden Box, Burden Meter	P T/VT Burden Box , VT Burden Meter		Upto 110 VA for 110V, and upto 105 VA for 110V/sqrt(3)		At 50 Hz	33800	19350	For each additional voltage (110V or 110V/1.73)	upto 10 calibration points
29	Current Burden	Burden Box, Burden Meter	C T Burden Box, CT Burden Meter		Upto 150 VA (5A) and upto 110 VA (1A)		At 50 Hz	33800	19350	For each additional Current (1A or 5A)	upto 10 calibration points
30	Capacitance and Loss facor (Tan Delta)	High Voltage Capacitors and Tan Delta Bridge	C & Tan Delta Bridge/ Schering Bridge/ Transformer Arm Ratio Bridge		C= 10pF - 100µF, Tan Delta = 0.00001 to 0.1 (Subject to current limitation)		At 50 Hz	106000			
31	High Voltage Capacitance	High Voltage Capacitors	High Voltage Capacitors		10pF - 100µF and upto 10 kV (Subject to current limitation)		At 50 Hz	17850			
32	High Voltage Capacitance	High Voltage Capacitors	High Voltage Capacitors		10pF - 100µF and upto 30kV (Subject to current limitation)		At 50 Hz	35000			
33	High Voltage Capacitance	High Voltage Capacitors	High Voltage Capacitors		10pF - 100µF and upto 100kV (Subject to current limitation)		At 50 Hz	88300			
34	High Voltage Capacitance	High Voltage Capacitors	High Voltage Capacitors		10pF - 100µF and upto 150kV (Subject to current limitation)		At 50 Hz	120000			
35	High Voltage Capacitance	High Voltage Capacitors	High Voltage Capacitors		10pF - 100µF and upto 200kV (Subject to current limitation)		At 50 Hz	151000			
36	Tan Delta	High Voltage Capacitors	Tan Delta		Tan Delta upto 50kV (Subject to current limitation)		At 50 Hz	17900			
37	Tan Delta	High Voltage Capacitors	Tan Delta		Tan Delta upto 100kV (Subject to current limitation)		At 50 Hz	25900			
38	Tan Delta	High Voltage Capacitors	Tan Delta		Tan Delta upto 150kV (Subject to current limitation)		At 50 Hz	36000			
39	Tan Delta	High Voltage Capacitors	Tan Delta		Tan Delta upto 200kV (Subject to current limitation)		At 50 Hz	43500			

