Calibration Charges: DP No. (2.01) DP Name: (LF, HF Impedance and DC Metrology) (w.e.f. 01.04.2025)												EDC	
DC Metrology (DC Voltage, DC Current, DC Resistance & DC Charge)													
Sl. No	**Parameter**	**Item Type / Group**	**Item Name**	**Alias Name**	**Range**	**No. of Points for Calibration**	**Limitation / Condition**	**Charges per Item Rs.**	**Additional Charges Rs.**	**Description for Additional Charges**	**Remarks, if any**	**Normal, Days**	**Tatkal, Days**
1	DC Voltage	DC voltage source	DC Voltage Reference Standard	Nano scan / Zener Reference Voltage Standard	100 mV to 10V	1 to 2 points	Fixed points calibration for 100 mV, 1 Vor 1.018 V and 10 V	**95590**	26136	For each additional 1 point		10	3
2	DC current	DC current source	Transconductance Amplifier (up t0 20A)		1 microA to 20 A	3 points (one range)	as per NPLI calibration points	**71390**	14883	For each additional 3 point		15	7
3	DC current	DC current source	Transconductance Amplifier		1 microA to 100A	3 points (one range)	as per NPLI calibration points	**95590**	14883	For each additiona3 point		15	7
4	DC resistance	DC standard resistor/DC resistance source	Fixed value resistor and high current shunt		0.1μΩ to 1 TΩ	one point (one current/voltage)	Current range upto 100 A, Voltage range upto 1000 V (According to the specification of resistors, measurement voltage/current will be set)	**36300**	36300	For each additional 1 point		15	7
5	DC resistance	High resistance meter	Resistance meter	High resistance meter	10 μΩ to 1TΩ	3 points (one range)	as per NPLI calibration points	**95590**	14883			15	
6	DC Voltage, Current & resistance	DC Voltage ,Current & resistance source	DC Calibrator 7½ dgit & above	Calibrator	10 μV to 1 kV, 1 μA to 20A, 1 Ω to 100 MΩ	3 points one range)	For resistance, discreet points will be done as per NPLI calibration points	**127897**	14883	For each additional 3 points in one range		30	15
7	DC Voltage, Current & resistance	DC Voltage, Current & resistance meter	Digital Multimeter 7½ dgit & above	DMM	10 μV to 1 kV, 1 μA to 30A, 1 Ω to 10 GΩ	3 points (one range)	For resistance, discreet points will be done. As per NPLI calibration points	**127897**	14883	For each additional 3 points in one range		31	16
8	DC current	DC current source /meter	current source/pico ammeter/ electrometer		1 pA to 10 mA	3 points per range	as per NPLI calibration points	**62920**	9680	For each additional 3 points in one range		15	7
9	DC charge	Charge amplifier	Electrometer/ charge amplifier		100 pC to 2 μC	3 points per range	as per NPLI calibration points	**62920**	9680	For each additional 3 points in one range		15	

10	DC charge	Charge Amplifier	coloumb meter		2 µC to 1 nC		as per NPLI calibration points	**21780**				10	
11	DC Voltage,Current & resistance	DC voltmeter	Nano voltmeter		100 nV to 100V	3 points per range	as per NPLI calibration points	**41140**	7744	For each additional 3 points in one range		15	
12	DC current	DC current source	current coil		0 to 20 A		as per NPLI calibration points	**20570**				10	5
13	DC voltage & current	DC voltage & current source	DC power supply		up to 1000 V & 20 A		as per NPLI calibration points	**16940**				10	5
14	DC & AC Voltage, current & resistance	DC & AC Voltage , current & resistance Meter	Digital multimeter 6& 1/2 digit	DMM	DC Parameters: 10 m V - 1 kV, 1 A - 20 A, 1 Ω to -100 M Ω AC parameters: 1 mV – 1000 V(10 Hz – 1 MHz),1 mA – 20 A(40 Hz – 10 kHz)	In DC : 3 points (in each range) In AC :3 frequency points and at each frequency - 3 Voltage and 3 Current levels covering the entire range of DUC	For resistance, discreet points will be done as per NPLI calibration points	**18634**	1815	For each additional 3 points in one range		15	7
15	AC/DC Voltage AC/DC Current, Frequency, DC Resistance, Capacitance,RTD, Thermocouple	DC Voltage ,Current & resistance source	Multiproduct/ multifunction Calibrator 6½ digit	Calibrator	10 µV to 1 kV ,1 µA to 20A , 1 Ω to 10 GΩ	In DC : 3 points for voltage and current (one range) DC resistance in decade values In AC : Seven levels @3 frequencies Seven points in frequency	For resistance, discreet points will be done as per NPLI calibration points	**71615.5**	10890	For each additional frequency or points		30	15
16	DC Voltage, Current, resistance, RTD, Thermocouple	DC Voltage ,Current & resistance source & measure	Hand Held Calibrator 5& 1/2 digit and 4& 1/2	Hand Held Multi function calibrator	10 µV to 1 kV ,1 µA to 20A , 1 Ω to 10 GΩ	At discrete points	as per NPLI calibration points	**40924.4**	1210	For each points		20	10

17	Thermocouple	DC voltage simulation method , source and measure	Hand held thermometers and thermal indicators		10 µV to 10V	At discrete points	as per NPLI calibration points	**25740**				20	10