





SN	Dicipline	Category	Subcategory	Calibration	Scheme	PT Item Name	PT Item	Parameter	Range	Measurement Points	Participation Criteria	Last date of Registration	Proposed PT Charges
1	Mechanical Calibration	Dimension (Basic-Measuring Instrument, Gauges etc.)	Dimension	Calibration	Sequential	Plunger Dial Gauge		Instrumental Error	0-1 mm (L.C.0.001 mm)	Plunger In / Out 0.05mm,0.12mm,0.56mm, 0.78mm,1.00mm	The CMC of participant laboratory should be greater than 1 µm	Open (Each PT round is of 5-10 Participants)	₹ 8,500.00
2	Mechanical Calibration	Dimension (Basic-Measuring Instrument, Gauges etc.)	Gauges	Calibration	Sequential	Plain Plug Gauge		Outer Diameter	up to 100 mm	ø 5.00 mm ø36.50 mm ø 98.00 mm	The participant laboratory should have CMC greater than 1.4 µm	Open (Each PT round is of 5-10 Participants)	₹ 8,500.00
3	Mechanical Calibration	Dimension (Basic-Measuring Instrument, Gauges etc.)	Gauges	Calibration	Sequential	Thread Ring Gauges		Simple Effective Diameter	up to 100 mm	M 5 X 0.8 -6g NOGO, M 40 X 3.0 -6g GO and G3 B ISO-228 Thread Ring Gauges	The participant laboratory's CMC should be greater than 1.5 µm	Open (Each PT round is of 5-10 Participants)	₹ 8,500.00
4	Mechanical Calibration	Dimension (Precision-Precision Instruments)	Linear – Reference (Measuring) Equipment	Calibration	Sequential	Gauge Blocks		Central Length Deviation	up to 100 mm	2, 20 & 75 mm	The participant laboratory's CMC should be greater than 0.04 + L/ 3000 µm	Open (Each PT round is of 5-10 Participants)	₹ 10,000.00
5	Mechanical Calibration	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	Calibration	Sequential	Pneumatic Pressure Gauge		Pressure	0 - 50 bar L.C.0.01 bar	5,10,15,20 and 35 bar	The CMC of participating lab. should be > 0.008% rdg	Open (Each PT round is of 5-10 Participants)	₹ 14,000.00
6	Mechanical Calibration	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	Calibration	Sequential	Hydraulic Pressure Gauge		Pressure	0-700 bar L.C. 0.01 bar	100,200,350,500 and 650 bar	The CMC of participating lab. should be > 0.009% rdg	Open (Each PT round is of 5-10 Participants)	₹ 14,000.00
7	Mechanical Calibration	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	Calibration	Sequential	Hydraulic Pressure Gauge		Pressure	0-200 bar L.C. 0.01 bar	50,100,125,150,175 bar	The CMC of participating lab. should be > 0.009% rdg	Open (Each PT round is of 5-10 Participants)	₹ 14,000.00
8	Mechanical Calibration	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	Calibration	Sequential	Vacuum Gauge		Pressure	-1 to 0 bar L.C. 0.01 bar	-0.1,-0.3,-0.5,-0.7 and -0.8 bar	The CMC of participating lab. should be > 0.008% rdg	Open (Each PT round is of 5-10 Participants)	₹ 14,000.00
9	Mechanical Calibration	Mass and Volume	Mass	Calibration	Sequential	Weights		Mass	up to 500 g	5g,100g & 200 g	The participant laboratory's CMC should be greater than 0.008 mg for 5 g, 0.012 mg for 100g and 0.035 mg for 200 g	Open (Each PT round is of 5-10 Participants)	₹ 14,000.00
10	Mechanical Calibration	Force	Force	Calibration	Sequential	Load Cell		Force	upto 500 N L.C.0.01 N	50,100,150,200,250,300,350,400,450 and 500 N	The participant laboratory's CMC should be greater than 0.03% rdg	Open (Each PT round is of 5-10 Participants)	₹ 14,000.00
11	Mechanical Calibration	Dimension (Basic-Measuring Instrument, Gauges etc.)	Dimension	Calibration	Sequential	Digital Caliper		Instrumental Error	0-300 mm L.C. - 0.01 mm	Ext. Measurements 50mm, 150mm,250mm Int. Measurements 50mm, 150mm,250mm Depath Measurements 50mm	The CMC of participant lab. should be > 12µm	Open (Each PT round is of 5-10 Participants)	₹ 8,500.00

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12	Mechanical Calibration	Dimension (Basic-Measuring Instrument, Gauges etc.)	Gauges	Calibration	Sequential	Plain Taper Ring Gauge		Diameter & Angle	Upto 50mm	ϕ 35mm & Angle 2.5° ϕ 25mm & Angle 1°	The CMC of participant lab. should be > 1.8µm	Open (Each PT round is of 5-10 Participants)	₹ 8,500.00
13	Mechanical Calibration	Dimension (Basic-Measuring Instrument, Gauges etc.)	Gauges	Calibration	Sequential	Taper Plug Gauge e		Diameter & Angle	Upto 50mm	ϕ 50mm & Angle 7° ϕ 38mm & Angle 3.5°	The CMC of participant lab. should be > 1.6µm	Open (Each PT round is of 5-10 Participants)	₹ 8,500.00
14	Mechanical Calibration	Force	Force	Calibration	Sequential	Push Pull Gauge		Force	up to 1000 N L.C. 0.1 N	10,20,50,70 and 100% of Range	The CMC of participating lab. should be > 0.02%	Open (Each PT round is of 5-10 Participants)	₹ 14,000.00
15	Mechanical Calibration	Dimension (Basic-Measuring Instrument, Gauges etc.)	Dimension	Calibration	Sequential	Micrometer Setting Standard		Length	up to 100 mm	25mm, 75 mm	The CMC of participating lab. should be > 1 µm	Open (Each PT round is of 5-10 Participants)	₹ 8,500.00
16	Mechanical Calibration	Dimension (Basic-Measuring Instrument, Gauges etc.)	Dimension	Calibration	Sequential	Bore Guage with Dial		Instrumental Error	18-35 mm with dial of L.C. 0.001mm Displacement up to 1 mm	Plunger in/out 0.04mm, 0.16mm, 0.44mm, 0.68mm, 0.80mm	the participation laboratory should have CMC > 1µm	Open (Each PT round is of 5-10 Participants)	₹ 8,500.00
17	Mechanical Calibration	Torque Generating & Measuring devices	Torque Transducer	Calibration	Sequential	Torque Sensor		Torque	up to 1000Nm L.C. 0.1Nm	100,250,450,750 & 950 Nm	The CMC of participating lab. should be >0.03%	Open (Each PT round is of 5-10 Participants)	₹ 45,000.00
18	Mechanical Calibration	Torque Generating & Measuring devices	Torque Wrenches (Type I & II)	Calibration	Sequential	Torque Wrench		Torque	Range 80 - 400 Nm L.C.0.1 Nm	80,240, 400Nm	The CMC of participating lab. should be > 0.1%	Open (Each PT round is of 5-10 Participants)	₹ 15,000.00

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19	Mechanical Calibration	Dimension (Basic-Measuring Instrument, Gauges etc.)	Dimension	Calibration	Sequential	Lever Dial Gauge		Instrumental Error	Range 0-0.8mm L.C.0.01mm	Upward Direction (forward /Reverse) 0.12mm,0.48mm and 0.80 mm Downward Direction (forward /Reverse) 0.12mm,0.48mm and 0.80 mm	the CMC of participant laboratory should be greater than 2 µm	Open (Each PT round is of 5-10 Participants)	₹ 8,500.00
20	Mechanical Calibration	Dimension (Basic-Measuring Instrument, Gauges etc.)	Gauges	Calibration	Sequential	Taper Thread Plug Gauge		Simple Effective Diameter	up to 50 mm	4-8 NPT (BASIC) 4-11 BSPT SY -B	The CMC of participating lab. should be > 2.5 µm	Open (Each PT round is of 5-10 Participants)	₹ 8,500.00
21	Mechanical Calibration	Dimension (Basic-Measuring Instrument, Gauges etc.)	Gauges	Calibration	Sequential	Thread Plug Gauge		Simple Effective Diameter	up to 50 mm	M8 X 1.25 6H Go M36 X 1.5 7H Go	The CMC of participating lab. should be > 2.3 µm	Open (Each PT round is of 5-10 Participants)	₹ 8,500.00
22	Mechanical Calibration	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	Calibration	Sequential	Analog Hydraulic Pressure Gauge		Pressure	0-600 bar L.C. 5 bar	50,200,300,400 & 550 bar	The CMC of participating lab. should be >1.3 bar	Open (Each PT round is of 5-10 Participants)	₹ 14,000.00
23	Mechanical Calibration	Dimension (Basic-Measuring Instrument, Gauges etc.)	Gauges	Calibration	Sequential	Master Setting Ring		Diameter	up to 100mm	5mm,26mm and 75mm	The participation Laboratory should have CMC > 0.7 µm	Open (Each PT round is of 5-10 Participants)	₹ 8,500.00
24	ET Calibration	Alternating Current (<1GHz) Direct Current	High Voltage	Calibration	Sequential	HV Probe with 3 1/2 Resolution DMM		AC / DC High Voltage	1kV- 40kV 1kV-28kV	AC- 1,5,10,15 and 25 kV DC -1,10,20,30 and 40 kV	The participant laboratory's CMC should be greater than 1.4% for AC & DC High Voltage	Open (Each PT round is of 5-10 Participants)	₹ 12,000.00

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25	ET Calibration	Temperature Simulation	Temperature Simulation	Calibration	Sequential	Process Calibrator		Temperature Simulation	Type K and PT 100	Type K- 35, 275, 515,790 and 1065°C RTD PT 100 -50,180,410,590 and 770 °C	The participation Laboratory should have CMC > 0.09 °C for K Type and 0.07 °C for RTD PT 100 Sensor	Open (Each PT round is of 5-10 Participants)	₹ 10,000.00
26	ET Calibration	Temperature Simulation	Temperature Simulation	Calibration	Sequential	Process Calibrator		Temperature Simulation	Type S, Type J	Type S - 50,370,690,1010 and 1330 in °C Type J- 35, 275, 515,790 and 1065°C	The participation Laboratory should have CMC > 0.07 °C for J Type and 0.84 °C for s Type	Open (Each PT round is of 5-10 Participants)	₹ 10,000.00
27	ET Calibration	Alternating Current (<1GHz) Direct Current	Current Voltage	Calibration	Sequential	Digital Multimeter 3 1/2 Resolution	 GDM-532	Current AC & AC Voltage 50Hz	AC Voltage:50mv -1000V AC Current: 100µA to 5A	AC Voltage- 50mV, 100mV,5V, 100V & 980V at Frequency 50Hz AC Current - 100µA,100mA,500mA,1A & 5A at Frequency 50Hz	The participation Laboratory should have CMC > 0.018% to 0.077% for AC Voltage & 0.091% to 0.139% for AC Current	Open (Each PT round is of 5-10 Participants)	₹ 10,000.00
28	ET Calibration	Alternating Current (<1GHz) Direct Current	Current Voltage	Calibration	Sequential	Digital Multimeter 3 1/2 Resolution	 GDM-532	Current DC and DC Voltage	DC Voltage: 50mV to 1000V DC Current 100µA to 5A	DC Voltage - 50mV, 100mV,5V, 100V & 980V DC Current - 100µA,100mA,500mA,1A & 5A	The participation Laboratory should have CMC > 0.012% to 0.058% for DC Voltage & 0.028% to 0.106% for DC Current	Open (Each PT round is of 5-10 Participants)	₹ 10,000.00
29	ET Calibration	Alternating Current (<1GHz) Direct Current	Current Voltage	Calibration	Sequential	Digital Multimeter 4 1/2 Resolution		Current AC & AC Voltage 50Hz	AC Voltage:50mv -1000V AC Current: 100µA to 5A	AC Voltage- 50mV, 100mV,5V, 100V & 980V at Frequency 50Hz AC Current - 100µA,100mA,500mA,1A & 5A at Frequency 50Hz	The participation Laboratory should have CMC > 0.013% to 0.055% for AC Voltage & 0.053% to 0.131% for AC Current	Open (Each PT round is of 5-10 Participants)	₹ 10,000.00
30	ET Calibration	Alternating Current (<1GHz) Direct Current	Current Voltage	Calibration	Sequential	Digital Multimeter 4 1/2 Resolution		Current DC and DC Voltage	DC Voltage: 50mV to 1000V DC Current 100µA to 5A	DC Voltage - 50mV, 100mV,5V, 100V & 980V DC Current - 100µA,100mA,500mA,1A & 5A	The participation Laboratory should have CMC > 0.003% to 0.546% for DC Voltage & 0.046% to 0.109% for DC Current	Open (Each PT round is of 5-10 Participants)	₹ 10,000.00

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31	Thermal Calibration	Specific Heat & Humidity	Humidity	Calibration	Sequential	Hygrometer		Humidity	Rh 5% to 95% at 25°C to 50°C L.C.0.01%	Humidity 20%Rh, 30%Rh,50%Rh, 70%Rh & 80%Rh @ 25°C	The participant laboratory's CMC should be greater than 0.45 %Rh	Open (Each PT round is of 5-10 Participants)	₹ 10,000.00
32	Thermal Calibration	Radiation Pyrometer	Temperature	Calibration	Sequential	IR Sensor		Temperature	upto 1200°C L.C. 0.1 °C	100°C, 350°C,700°C,950°C & 1200°C,	The participant laboratory's CMC should be greater than 2.44 °C	Open (Each PT round is of 5-10 Participants)	₹ 14,000.00
33	Thermal Calibration	Temperatures Indicator with Sensor	Temperature	Calibration	Sequential	RTD PT 100 Sensor with Display 0.01 °c		Temperature	0°C to 250°C L.C.0.01°C	50°C, 100°C, 150°C,200°C & 250°C -50°C,57°C,125°C,175°C, & 225°C,	The Participant Laboratory's CMC should be greater than 0.08°C	Open (Each PT round is of 5-10 Participants)	₹ 12,000.00
34	Thermal Calibration	Thremo couple (Without indicator)	Temperature	Calibration	Sequential	S Type Thermocouple		Temperature	S Type 400°C to 900°C	400°C, 500°C, 650°C,800°C and 900°C	the participant laboratory should have CMC > 1.5 °C	Open (Each PT round is of 5-10 Participants)	₹ 12,000.00

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Every new PT round will start with minimum 5 PT registration for that PT round
GST as applicable 18% will be applicable, in addition to the charges.

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