



PT Calendar JAN. 25 - DEC. 25

Octagon Measurement Solutions Pvt. Ltd.
Lab Address :S.No.15 A/2, J7-J8, GKD Industrial Estate, Nandedgaon,
Sinhgad Road, Pune- 411041, Maharashtra.

SN	Category	Subcategory	PT Item Name	Parameter	Range	Measurement Points	Participation Criteria	Round Schedule	PT Charges
Discipline - Mechanical Calibration									
Sequential PT Round in Petal Format									
1	Dimension (Basic-Measuring Instrument, Gauges etc.)	Dimension	Plunger Dial Gauge	Instrumental Error	0-1 mm (L.C.0.001 mm)	Plunger In / Out 0.12mm,0.30mm,0.48mm,0.64mm, 0.86mm,1.00mm	The CMC of participant laboratory should be coarser than 1 µm	Running Round	₹ 8500 ₹ 7000
2	Dimension (Basic-Measuring Instrument, Gauges etc.)	Dimension	Lever Dial Gauge	Instrumental Error	L.C. 0.01 mm Range 0 to 0.8 mm	Upward Direction (forward /Reverse) 0.10mm,0.50mm and 0.80 mm Downward Direction (forward /Reverse) 0.10mm,0.50mm and 0.80 mm	the CMC of participant laboratory should be coarser than 1.4 µm	Running Round	₹ 8500 ₹ 7000
3	Dimension (Basic-Measuring Instrument, Gauges etc.)	Dimension	Bore Gauge With Dial	Instrumental Error	18-35 mm with dial 0.001 mm	0.02mm, 0.15mm,0.36mm,0.58mm, 0.82mm,1.00mm	The CMC of participant laboratory should be coarser than 1 µm	Running Round	₹ 8500 ₹ 7000
4	Dimension (Basic-Measuring Instrument, Gauges etc.)	Gauges	Plain Plug Gauge	Outer Diameter	up to 100 mm	ø 5.00 mm ø36.50 mm ø 98.00 mm	The CMC of participant laboratory should be coarser than 1 µm	Running Round	₹ 8500 ₹ 7000
5	Dimension (Basic-Measuring Instrument, Gauges etc.)	Dimension	Micrometer Setting Standard	Length	up to 100 mm	25 mm & 75 mm	The CMC of participant laboratory should be coarser than 1 µm	Running Round	₹ 8500 ₹ 7000
6	Dimension (Basic-Measuring Instrument, Gauges etc.)	Gauges	Plain Taper Ring Gauge	Outer Diameter	up to 100 mm	25mm 35mm	The CMC of participant laboratory should be coarser than 1 µm	Running Round	₹ 8500 ₹ 7000
7	Dimension (Basic-Measuring Instrument, Gauges etc.)	Gauges	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 X11 ISO-228 B NOGO	The participant laboratory's CMC should be coarser than 1.1 µm	Running Round	₹ 8500 ₹ 7000



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8	Dimension (Precision- Precision Instruments)	Linear – Reference (Measuring) Equipment	Tungsten Gauge Blocks	Central Length Deviation	up to 100 mm	1.5, 40 & 90 mm	The participant laboratory's CMC should be coarser than 0.02 + L/ 3000 µm L is in mm	Running Round	₹ 10000 ₹ 8500
9	Dimension (Basic- Measuring Instrument, Gauges etc.)	Dimension	Digital Caliper	Instrumental Error	0-300 mm L.C. - 0.01 mm	Ext. Measurements 50mm, 150mm,250mm Int. Measurements 50mm, 150mm,250mm Depth Measurements 50mm	The CMC of participant lab. should be coarser than 11 µm	Running Round	₹ 8500 ₹ 7000
10	Dimension (Basic- Measuring Instrument, Gauges etc.)	Gauges	Taper Plug Gauge	Diameter & Angle	Upto 50mm	∅ 50mm ∅ 38mm	The CMC of participant lab. should be coarser than 1.2	Running Round	₹ 8500 ₹ 7000
11	Dimension (Basic- Measuring Instrument, Gauges etc.)	Gauges	Taper Thread Plug Gauge	Simple Effective Diameter	up to 100 mm	4-8 NPT (BASIC) 4-11 BSPT SY -B	The CMC of participating lab. should be coarser than 2 µm	Running Round	₹ 8500 ₹ 7000
12	Dimension (Basic- Measuring Instrument, Gauges etc.)	Gauges	Thread Plug Gauge	Simple Effective Diameter	up to 100 mm	M8 X 1.25 6H Go M36 X 1.5 7H Go 2 X 12 UNC – 2B SPL NOGO	The CMC of participating lab. should be coarser than 1.7 µm (upto 15mm) and 2.3µm (15mm up to 100mm)	Running Round	₹ 8500 ₹ 7000
13	Dimension (Basic- Measuring Instrument, Gauges etc.)	Gauges	Master Ring	Diameter	up to 100mm	5mm,26mm and 76mm	The participation Laboratory should have CMC coarser than 0.8 µm	Running Round	₹ 8500 ₹ 7000
14	Dimension (Basic- Measuring Instrument, Gauges etc.)	Dimension	Granite Surface Plate (On Site)	Flatness	1000 X 630 mm	NA	The participating Laboratory should have CMC coarser than 3.5 µm	Running Round	₹ 8500 ₹ 7000



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15	Dimension (Basic-Measuring Instrument, Gauges etc.)	Gauges	Feeler Gauge	Thickness	up to 1 mm	Three Leaf	The participation Laboratory should have CMC coarser than 0.65 µm	Running Round	₹ 8500 ₹ 7000
16	Dimension (Basic-Measuring Instrument, Gauges etc.)	Gauges	Cylindrical Pins	External Diamteter	Up to 20 mm	Three Pins	The participation Laboratory should have CMC coarser than 0.65 µm	Running Round	₹ 8500 ₹ 7000
17	Dimension (Basic-Measuring Instrument, Gauges etc.)	Dimension	Analog Durometer	Hardness Shore A and Shore D	0 - 100	Shore A - 0,10, 20,30, 40,50,60,70,80,90 and 100 Shore D - 0,10, 20,30, 40,50,60,70,80,90 and 100	The participation Laboratory should have estimated uncertainty coarser than 0.6% for Shore A and for Shore D 0.3 %	Running Round	₹ 10000 ₹ 8000 (Per Parameter) For both ₹ 12000.00
18	Dimension (Basic-Measuring Instrument, Gauges etc.)	Dimension	Digital External Micrometer	Instrumental Error	0- 25 mm L.C. 0.001 mm	2.5 , 10.3, 25 mm	The participation Laboratory should have CMC coarser than 0.90 µm	Running Round	₹ 8500 ₹ 7000
19	Dimension (Precision Instruments and Surface Topology)	Electronic Height Gauge	2D Digital Height Gauge	Instrumental Error	0-600 mm L.C. 0.0001 mm	50,100,200,300, 500 & 600 mm	The participation Laboratory should have CMC coarser than 2 µm	Running Round	₹10,000.00
20	Dimension (Basic-Measuring Instrument, Gauges etc.)	Length	Dial Thickness Gauge	Length	0-10mm L.C. 0.01mm	2.5 mm, 5.1mm and 7.7mm	The participation Laboratory should have CMC coarser than 4.2 µm	Running Round	₹ 7000
21	Dimension (Basic-Measuring Instrument, Gauges etc.)	Depth Micrometer	Depth Micrometer	Instrumental Error	0-25mm L.C. 0.01mm	2.5 mm, 10mm and 25mm	The participation Laboratory should have CMC coarser than 6 µm	Expected to start Sep 25-4th week	₹ 7000



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22	Dimension (Basic-Measuring Instrument, Gauges etc.)	Measuring Tape	Measuring Tape	Instrumental Error	0-5 mtr	10mm, 50mm, 100mm, 1000mm, 3000 mm and 5000mm	The participation Laboratory should have CMC coarser than $\pm 50 \mu\text{m}$ $\sqrt{L}$ - L is in meter	Expected to Start Dec 25- Last week	₹ 7000
23	Dimension (Basic-Measuring Instrument, Gauges etc.)	Go-NOGO Snap Gauges	Snap Gauge	Gap Size	up to 100mm	81.6 mm Go and NOGO	The participation Laboratory should have CMC coarser than 0.8 μm	Running Round	₹ 7000
24	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	Digital 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 coarser than 0.005% rdg	Running Round	₹ 11,500.00
25	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	Hydraulic Pressure Guage	Pressure	0-700 bar L.C. 0.01 bar	100,200,350,500 and 650 bar	The CMC of participating lab. Should be coarser than 0.009% rdg	Running Round	₹ 14000 ₹ 11500
26	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	Hydraulic Pressure Guage (Low)	Pressure	0-200 bar L.C. 0.01 bar	50,100,125,150,175 bar	The CMC of participating lab. Should be coarser than 0.009% rdg	Running Round	₹ 14000 ₹ 11500
27	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	Digital 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 coarser than 0.009% rdg	Running Round	₹ 14000 ₹ 11500
28	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	Analog Hydraulic Pressure Guage	Pressure	0-600 bar L.C. 5 bar	50,200,300,400 &550 bar	The CMC of participating lab. should be coarser than 0.009% rdg	Running Round	₹ 14000 ₹ 11500



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29	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	Absolute Pressure Gauge	Pressure	0- 4 bar L.C. 0.0001 bar Absolute	0.4 bar, 0.8 bar, 1.2 bar , 3 bar , 4 bar	The participation Laboratory should have CMC coarser than 0.003% rdg (abs)	Running Round	₹-14000 ₹ 12500
30	Force	Force	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 coarser than 0.03% rdg	Running Round	₹ 14000 ₹ 11500
31	Force	Force	Push Pull Gauge (Force Gauge)	Force	up to 1000 N L.C. 0.1 N	100,200,500,700 and 1000 N	The CMC of participating lab. should be coarser than 0.01%	Running Round	₹-14000 ₹ 11500
32	Torque Generating & Measuring devices	Torque Transducer	Torque Sensor	Torque	up to 1000Nm L.C. 0.1Nm	25,100,150,175,500, 700 & 1000 Nm	The CMC of participating lab. should be coarser than 0.03%	Running Round	₹-45000 ₹ 36000
33	Torque Generating & Measuring devices	Torque Wrenches (Type I & II)	Digital Torque Wrench	Torque	Range 1-500 Nm L.C.0.1 Nm	50,300, 500Nm	The CMC of participating lab. should be coarser than 0.1%	Running Round	₹-15000 ₹ 12000
34	Mass and Volume	Mass	Digital Weighing Balance (On site)	Mass	220 g L.C. 0.1 mg 3000g L.C. 1 mg Using E1 &E2 Class weights	For 220 g - 50 g,100g and 200 g- Participant can use only E1 Class Weights For 3000g - 50g,100g,200g,500g, 1000g,1500g and 2000g- Participants can use E1/E2 Class Weights	The participation Laboratory should have CMC coarser than 0.025 mg for 220 g & 42 mg for 3000g	Running Round	₹-14700 ₹ 11500 (per balance)
35	Mass and Volume	Mass	F1 Class Weights	Mass	up to 500 g	2g,20g,200g & 500 g	The participant laboratory's CMC should be coarser than 0.002 mg for 2 g, 0.005 mg for 20g, 0.026 mg for 200 g and 0.25 mg for 500 g	Running Round	₹-14000 ₹ 11500

SN	Category	Subcategory	PT Item Name	Parameter	Range	Measurement Points	Participation Criteria	Round Schedule	PT Charges
36	Mass and Volume	Mass	Digital Weighing Balance Class III Resolution 1000 mg	Mass	0-15 Kg	For 0.01Kg , 0.05Kg, 0.5Kg, 1Kg,2Kg, 5Kg,7Kg,10Kg,12Kg,15Kg - Participant can use only F1 or better Class Weights	The participation Laboratory should have for CMC coarser to 650 mg	Running Round	₹ 14700 ₹ 11500
37	Acoustics	Sound Level Meters	Sound Level Meter	Sound Level	94dBA	94dBA @1KHz	The participation Laboratory should have CMC coarser than 0.8 dBA	Running Round	₹ 7000
Discipline - Electro-Technical Calibration									
Sequential PT Round in Petal Format									
38	Alternating Current (<1GHz) Direct Current	High Voltage	HV Probe / Divider with Digital Multimeter	AC / DC High Voltage	DC V -1kV- 40kV AC V- 1kV-28kV 50Hz	AC- 1,5,10,15 and 25 kV 50 Hz DC -1,10,20,30 and 40 kV	The participant laboratory's CMC should be coarser than 1.4% for AC & DC High Voltage	Running Round	₹ 15000
39	Frequency and Resistance	Frequency AC/ DC Current	DC Resistance & Frequency (41/2 Resolution)	Frequency DC Resistance	DC Resistance Frequency	10Ω, 1kΩ, 10kΩ, 1 MΩ,10 MΩ 50Hz, 1kHz,10kHz,50kHz, 100kHz	The participating Laboratory should have CMCs coarser than 0.0003 % to 0.025 % for DC Resistance 0.0002% for Frequency.	Running Round	₹ 20000 ₹ 8500 (Per Parameter) For both parameters ₹ 15000.00
40	Alternating Current (<1GHz) Direct Current	Current Voltage	AC /DC – Measure Mode	Current Voltage	AC Source – Voltage 310 Vrms / Resolution – 0.01 V at 0 ~ 99.99 vrms and 0.1 V at 100.0 ~ 310 vrms AC Current Source – 2.00 ~ 70.00mA/60.0 ~ 350.0mA/0.300 ~ 3.500A/3.00 ~ 17.5A / Resolution – 0.01 mA ,0.1mA, 0.001A, 0.01 A	AC Current (2mA to 17.5A) AC Voltage (0.2 Vrms to 310 vrms) DC Voltage -20V/ DC Current 20 mA (any five points in this range)	The participating Laboratory should have CMCs coarser than 0.01 to 0.041 % for AC Voltage 0.1% to 0.12for AC Current 0.004% to 0.076% for DC Current 0.035% to 0.001% for DC Voltage	Expected to Oct 2025	₹ 10000 for any parameters for two parameter ₹ 20000



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41	Temperature Simulation	Temperature Simulation	Process Calibrator - Source Mode	Temperature Simulation	Type K , PT 100 Type S, Type J	Type K- 35, 275, 515,790 and 1065°C RTD PT 100 (-50),180,410,590 and 770 °C Type S - 50,370,690,1010 and 1330 in °C Type J- 35, 275, 515,790 and 1065°C	The participation Laboratory should have uncertainty coarser than 0.15 °C for K Type and 0.09 °C for RTD PT 100 Sensor 0.12 °C for J Type and 0.48 °C for s Type	Running Round	₹ 20000 ₹ 10000 for any two parameters for four parameter ₹ 15000
42	Alternating Current (<1GHz) Alternating Voltage	Current Voltage	Digital Multimeter 3 1/2 Resolution Make: Fluke Source Mode	Current DC & DC Voltage Current AC & AC Voltage 50Hz	DC Voltage: 50mV to 980V DC Current: 100µA to 10A AC Voltage:50mv to 980V AC Current: 100µA to 10A	DC Voltage - 2mV,200mV,2V,200V, 1000V DC Current - 10mA, 100mA, 1A,5A, 10A AC Voltage - 100mV, 200mV,2V,200V,700V at Frequency 50Hz AC Current - 10mA, 100mA,1A,5A, 10A at Frequency 50Hz	The participation Laboratory should have uncertainty coarser than 3.04% to 0.029% for DC Voltage 0.128% to 0.058% for DC Current 0.083% to 0.06% for AC Voltage 0.182% to 0.078% for AC Current	Running Round	₹ 20000 ₹ 8500 (Per Parameter) For both AC& DC parameters ₹ 15000.00
43	Alternating Current (<1GHz) Alternating Voltage	Current Voltage	Digital Multimeter 4 1/2 Resolution Make:GW Instek Source Mode	Current AC & AC Voltage 50Hz Current DC and DC Voltage	Range & Resolution - Voltage - 220.00mV, 2.2000V, 22.000V, 220.00V, 1000.0V Current - 220.00µA, 2200.0µA, 22.000mA, 220.00mA, 20.000A	AC Voltage- 100 mV, 200 mV, 2V, 200V, 700 V at Frequency 50Hz DC Voltage- 2mV, 200 mV, 2 V, 200 V, 1000 V AC Current - 10mA, 100mA, 1A, 5A,10A at Frequency 50Hz DC Current - 10mA, 100mA, 1A, 5A,10A	The participation Laboratory should have uncertainty coarser than 0.006 % to 0.023 % for DC Voltage 0.046% to 0.056% for DC Current 0.016% to 0.038% for AC Voltage 0.054% to 0.156% for AC Current	Running Round	₹ 20000 ₹ 8500 (Per Parameter) For both AC& DC parameters ₹ 15000.00

SN	Categoery	Subcategory	PT Item Name	Parameter	Range	Measurement Points	Participation Criteria	Round Schedule	PT Charges
44	Alternating Current (<1GHz) Direct Current	AC Resistance (at 1Kz) Capacitance (at 1Kz) Inductance (at 1Kz)	LCR Meter	AC Resistance (at 1Kz) Capacitance (at 1Kz) Inductance (at 1Kz)	(at 1KHz) AC Resistance – 1 Ω to 10 K Ω Capacitance -1nF – 10μF Inductance - 100μH- 1H	AC Resitance 1 Ω, 10 Ω, 100 Ω,1K Ω& 10K Ω 1KHz Capacitance - 1nF,10nF,100nF,1μF 1KHz Inductance - 1mH, 10mH, 100mH,1H 1 KHz	The participation lab should have uncertainty coarser than For Range 100 uH to 1 H – Inductance 0.09% to 0.386% For Range 1nF to 1 uF – Capacitance 0.061% For Range 1 Ω to 10KΩ – AC Resistance 0.07%	Running Round	₹ 10000 ₹ 8500
Discipline - Thermal Calibration									
Sequential PT Round in Petal Format									
SN	Categoery	Subcategory	PT Item Name	Parameter	Range	Measurement Points	Participation Criteria	Round Schedule	PT Charges
45	Specific Heat & Humidity	Humidity	Hygrometer	Humidity & Temperature	Rh 5% to 95% at 25°C to 50°C L.C.0.01% & Temp up to 50°C L.C. 0.01°C	Humidity 20%Rh, 30%Rh,50%Rh, 70%Rh & 85%Rh @ 25°C & 10°C, 20°C, 30°C,40°C to 50°C @50%RH	The participant laboratory's CMC should be coarser than 0.45 %Rh for Humidity and 0.15°C for specific Heat Temp	Running Round	INR 15000 (For both Parameters) INR 8500 (One parameter)
46	Specific Heat & Humidity	Humidity	Hygrometer	Temperature	Humidity L.C. 0.1°C	Humidity 30%Rh, 40%Rh,50%Rh, 65%Rh & 80%Rh @ 25°C	The participant laboratory's CMC should be coarser than 0.45%Rh	Running Round	₹ 10000 ₹ 8500
47	Radiation Pyrometer	Temperature	IR Sensor	Temperature	upto 1200°C L.C. 0.1 °C	100°C,200°C, 350°C,500°C,700°C,800°C,950°C, 1000°C & 1200°C,	The participant laboratory's CMC should be coarser than 3.44 °C	Running Round	₹ 14000 ₹ 8500
48	Temperatures Indicator with Sensor	Temperature	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	The Participant Laboratory's CMC should be coarser than 0.04°C	Running Round	₹ 12000 ₹ 8500

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49	Temperatures Indicator with Sensor	Temperature	RTD PT 100 Sensor with Display 0.01 °C	Temperature	-50°C to 250°C L.C.0.01°C	-50°C, 0°C, 75°C, 125°C, 175°C, & 225°C,	The Participant Laboratory's CMC should be coarser than 0.04°C	Running Round	₹ 12000 ₹ 8500
50	Thremo couple (Without indicator)	Temperature	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 coarser than 1.5 °C	Running Round	₹ 12000 ₹ 8500
For online registration please visit our website OMS.OCTAGON.CO.IN									
	Every new PT round will start with minimum 5 PT registration for that PT round ; We consider and allow minimum 5- 10 participants in one PT round								
	GST / IGST as applicable 18% extra will be applicable, in addition to the above mentioned charges.								Rev.01 DT: 02/08/2025