Octagon MEASUREMENT SOLUTIONS	PT Calendar JAN. 26 - DEC. 26				Octagon Measurement Solutions Pvt. Ltd. Lab Address :S.No.15 A/2, J7-J8, GKD Industrial Estate, Nandedgaon, Sinhgad Road, Pune- 411041, Maharashtra.				
SN	**Categoery**	**Subcategory**	**PT Item Name**	**Parameter**	**Range**	**Measurement Points**	**Participation Criteria**	**Round Schedule**	**PT Charges**
Discipline - Mechanical Calibration									
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	**Analog 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**	Diameter at large end	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
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	~~₹ 12000~~ ₹ 10000
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	ø 50mm ø 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	3" 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 1.3 µm	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	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
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 1.16% for Shore A and for Shore D 1.16 %	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-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	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. 0.001mm	4.8 mm, 17.3 mm and 25mm	The participation Laboratory should have CMC coarser than 4 µm	Running Round	₹ 7000
22	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
23	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	**Digital Pneumatic Pressure Gauge**	Pressure	0 - 50 bar L.C.0.01 bar	1,2,3,5,7,10,15,20 and 35 bar	The CMC of participating lab. Should be coarser than 0.005% rdg	Running Round	₹ 11,500
24	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
25	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
26	Pressure & Vacuum Gauge	Industrial Pressure Gauge (Ana/Dig)	**Digital Vacuum Gauge**	Pressure	-1 to 3 bar L.C. 0.01 bar	-0.1,-0.3,-0.5,-0.7,-0.8, 0, 0.1,0.2, 0.3 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)	**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
28	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
29	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 0.01% rdg	Running Round	~~₹ 14000~~ ₹ 11500
30	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 0.07%	Running Round	~~₹ 14000~~ ₹ 11500
31	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 0.01%	Running Round	~~₹ 36000~~ ₹ 25000
32	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 0.2%	Running Round	~~₹ 15000~~ ₹ 12000
33	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)
34	Mass and Volume	Mass	**F1 Class Weights**	Mass	up to 500 g	Mass 2g (E1 Class), 20g (E1 class), 200g (E1 Class) and 500g (E2 Class) Participant has to use E1/E2 Class Weights	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
35	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
36	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									

SN	Categoery	Subcategory	PT Item Name	Parameter	Range	Measurement Points	Participation Criteria	Round Schedule	PT Charges
37	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
38	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
39	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
40	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 DC Voltage - Range 200 mV to 1000mV - 0.003% | Range 0.2 V to 1000 V - 0.003% for DC Current - Range up to 1000mA 0.007% | Range 0.0001 t o30 A - 0.04% for AC Voltage - Range 2 mV to 220 mV - 0.05% | 0.2 V to 1000 V - 0.08% for AC Current - Range 0.03 mA to 20000 - 0.19% | 0.2 A to 30 A - 0.01%	Running Round	~~₹ 20000~~ ₹ 8500 (Per Parameter) For both AC& DC parameters ₹ 15000.00
41	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 DC Voltage - Range 200 mV to 1000mV - 0.003% | Range 0.2 V to 1000 V - 0.003% for DC Current - Range up to 1000mA 0.007% | Range 0.0001 t o30 A - 0.04% for AC Voltage - Range 2 mV to 220 mV - 0.05% | 0.2 V to 1000 V - 0.08% for AC Current - Range 0.03 mA to 20000 - 0.19% | 0.2 A to 30 A - 0.01%	Running Round	~~₹ 20000~~ ₹ 8500 (Per Parameter) For both AC& DC parameters ₹ 15000.00
42	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

SN	Categoery	Subcategory	PT Item Name	Parameter	Range	Measurement Points	Participation Criteria	Round Schedule	PT Charges
43	Specific Heat & Humidity	Humidity	**Thermo 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)
44	Specific Heat & Humidity	Humidity	**Thermo Hygrometer**	Humidity	5 to 50 °C, 20 to 95%Rh 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
45	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
46	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, 100°C, 150°C,200°C & 250°C	The Participant Laboratory's CMC should be coarser than 0.1°C	Running Round	~~₹ 12000~~ ₹ 8500
47	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 0.1°C	Running Round	~~₹ 12000~~ ₹ 8500
48	Thremo couple (With indicator (L.C.0.01°C))	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.02 DT: 06/08/2026**