

## PROFICIENCY TESTING PROGRAMME

### REQUEST FOR PARTICIPATION

**Laboratory:**

**Address:**

**Contact Person:**

**Contact Number:**

**E-mail:**

NMIM will issue a proforma invoice to applicant upon acceptance of the PT participation form. Applicant shall pay the participation fee in full within 15 days of the proforma invoice date, otherwise the participation is considered cancelled.

We wish to participate in the following PT program(s) - **please tick ✓ and fill in the Applicant Reference Standard/System column**. By signing, I agree to NMIM Proficiency Testing Activities terms and conditions stated overleaf.

**Signed:**

\_\_\_\_\_

**Date:**

\_\_\_\_\_

**Stamp:**

<b>Name of Program</b>		<b>Test Item and Range</b>	<b>Applicant Reference Standard/System</b>	<b>Start Date</b>	<b>*PT Fee (RM)</b>
					<b>Peninsular Malaysia</b>
<input type="checkbox"/> PTI-03-2025	Calibration of kWh Meter	Test Item: Electronic kWh meter (1 unit) Replacement unit: Available Input voltage: 230 V Input current: (10 – 100) A Input frequency: 50 Hz Meter constant: 1000 pulse/kWh	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	April 2025	1800
<input type="checkbox"/> PTI-04-2025	Calibration of Frequency Source	Test Item: Timer/Counter/ Analyzer CNT-90 (1 unit) Replacement unit: Not Available Frequency: 10 MHz time base output Expanded Uncertainty ~ ± 0.1 mHz	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1700

<input type="checkbox"/> PTI-05-2025	Calibration of Multimeter <b>(Onsite at NMIM)</b>	Test Item: 6½ digit multimeter Replacement unit: Not Available DC Voltage 10 V, 2-Wire resistance 1 MΩ, 4-Wire resistance 10 kΩ, DC Current 1 A, AC Voltage 100 V @ 20 kHz, AC Current 1 A @ 1 kHz	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	May 2025	3500
<input type="checkbox"/> PTI-08-2025	Calibration of Decade Resistor <b>(Onsite at NMIM)</b>	Test Item: Decade Resistor Box (1 unit) Replacement unit: Not Available Test Points: 100 Ω @ dial 5, 1 kΩ @ dial 7, 10 kΩ @ dial 9, 100 kΩ @ dial 1 Accuracy ±0.05%	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	March 2025	2000
<input type="checkbox"/> PTI-09-2025	Calibration Precision HV Meter with Probe	Test Item: Precision HV Meter with Probe (1 unit) Replacement unit: Not Available DC Voltage: (2 & 10) kV DC Voltage with Probe: (15 & 35) kV Expanded Uncertainty ~ ± 0.2%	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	May 2025	2500

<input type="checkbox"/> PT1-18-2025	Calibration of Thermistor Mount	Test Item: Thermistor Mount (1 unit) Replacement unit: Not Available Test Point: 10 MHz, 50 MHz, 1 GHz, 5 GHz, 10 GHz, 15 GHz and 18 GHz Expanded Uncertainty: 1% ~ 2.4%	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	May 2025	3500
<input type="checkbox"/> PT2-01-2025	Calibration of Digital Thermometer with PT100	Test Item: Digital Thermometer with 2 unit PT100 (2 channels) Replacement unit: Not Available Test Points (low) : 0°C, -40°C, -20°C, 50°C, 0°C Expanded Uncertainty : 0.03°C to 0.04°C Test Points (high) : 0°C, 100°C, 300°C, 600°C, 0°C Expanded Uncertainty : 0.04°C to 0.1°C	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	May 2025	3000
<input type="checkbox"/> PT2-02-2025	Calibration of Thermocouple Type K with Digital Thermometer	Test Item: Thermocouple Wire Type K with Digital Thermometer (1 unit) Replacement unit: Not Available Test Point: 0 °C to 660 °C Expanded Uncertainty: 1.0 °C	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	March 2025	2200



<input type="checkbox"/> PT2-09-2025	Calibration of Hydrometer	Test Item: Density Hydrometer (2 units) Range: (0.700 g/ml – 0.750 g/ml) and (1.300 g/ml – 1.350 g/ml) Uncertainty : 0.0003 g/ml	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	March 2024	1900
<input type="checkbox"/> PT2-10-2025	Calibration of Handheld Thermometer	Test Item: Handheld Thermometer (1 unit) Replacement Unit: Not Available Test Points (low): 0°C, -20°C, 20°C, 50°C, 100°C, 0°C Expanded Uncertainty: 0.04°C to 0.1°C	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	May 2025	2000
<input type="checkbox"/> PT2-11-2025	Calibration of Zahn Cup	Test Item: Zahn Cup no. 2 and 3 Replacement Unit: Available Range: (20-250)mm <sup>2</sup> /s and (100-800)mm <sup>2</sup> /s @ 25°C Relative Expanded Uncertainty: 1%	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	March 2025	2500

<input type="checkbox"/> PT2-15-2025	Calibration of Temperature Liquid Bath ( <b>Onsite NMIM</b> )	Test Item: Temperature Liquid Bath (1 unit) Replacement Unit: Not Available Test Points: -40°C, -20°C, 0°C Expanded Uncertainty: 0.008°C	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	April 2025	3000
<input type="checkbox"/> PT2-16-2025	Calibration of Rotational Viscometer	Test Item: Rotational Viscometer (1 unit) Replacement Unit: Not Available Test Points: (100, 1000, 5000, 10000, 60000) mPa.s@25°C Relative Expanded Uncertainty: 1%	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	April 2025	3000
<input type="checkbox"/> PT2-17-2025	Calibration of Refractometer	Test Item: Digital Refractometer (1 unit) Replacement Unit: Not Available Test Point : 10 °Brix, 30 °Brix, 50 °Brix	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	March 2025	1700

<input type="checkbox"/> PT2-18-2025	Calibration of Ford Cup	Test Item: Ford Cup no. 3 and 4 Replacement Unit: Not Available Range: (40-220)mm <sup>2</sup> /s and (70-370)mm <sup>2</sup> /s @ 25°C Relative Expanded Uncertainty: 1%	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	March 2025	2500
<input type="checkbox"/> PT3-01-2025	Calibration of Micropipette 10 µL	Test Item: Variable Micropipette 10 µL (1 unit) Replacement Unit: Not Available Measurement Range: 1 µL to 10 µL Test Point: 1 µL, 5 µL & 10 µL	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	March 2025	1800
<input type="checkbox"/> PT3-07-2025	Calibration of Anemometer	Test Item: Thermal Anemometer (Air Velocity Meter)(1 unit) Measurement Range: 3 – 30 m/s Test Points: 3, 5, 7, 10, 17, 24, 30 m/s Expanded Uncertainty: ± (0.07 – 0.24 m/s)	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	2000



<input type="checkbox"/> PT4-01-2025	Calibration of Standard Weight	Test Item: Standard Weight (4 units) Nominal Value: 5mg, 5g, 100g & 2kg	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	April 2025	2500
<input type="checkbox"/> PT4-02-2025	Calibration of Short Gauge Block using Mechanical Comparison Method	Test Item: Gauge block (4 units) Replacement Unit: Not Available Size: 0.5 & 100 mm (Steel), 4 & 30 mm (Ceramic) Uncertainty: [0.07 $\mu$ m, 2.0E-6L], [0.07 $\mu$ m, 1.8E-6L]	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1800
<input type="checkbox"/> PT4-05-2025	Calibration of Digital Micrometer	Test Item: Digital Micrometer (1 unit) Replacement unit: Available Resolution/Range: 0.001 mm / 0 – 25 mm Test points: 0, 2.5, 5.1, 7.7, 10.3, 12.9, 15, 17.6, 20.2, 22.8, 25 mm Uncertainty: 0.002 mm (Approximately)	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1800

□ PT4-06-2025	Calibration of Digimatic Indicator	<p>Test Item: Digimatic Indicator (1 unit) Replacement Unit: Not Available Range: 0 – 25 mm Resolution : 0.001 mm Test point: 0.0 mm, 0.1 mm, 0.2 mm, 0.3 mm, 0.4 mm, 0.5 mm, 1.0 mm, 1.5 mm, 2.0 mm, 2.5 mm, 3.0 mm, 4.0 mm, 5.0 mm, 10.0 mm, 15.0 mm, 20.0 mm, 25.0 mm. Uncertainty: 0.002 mm (Approximately)</p>	<p>Brand/Model : Resolution: Accuracy/Expanded Uncertainty: Scope : Existing / New applicant *cut the unrelated</p>	February 2025	1800
□ PT4-08-2025	Calibration of Balance	<p>Test Item: NAWI (1 unit) Replacement Unit: Not Available Capacity: 6 kg Resolution: 0.01g</p>	<p>Brand/Model : Resolution: Accuracy/Expanded Uncertainty: Scope : Existing / New applicant *cut the unrelated</p>	April 2025	2500
□ PT4-09-2025	Calibration of Glass Scale	<p>Test Item: Glass Scale (1 unit) Replacement unit: Available Range: 0 - 250 mm Test points: interval every 25 mm. Uncertainty: ~ 0.8 μm</p>	<p>Brand/Model : Resolution: Accuracy/Expanded Uncertainty: Scope : Existing / New applicant *cut the unrelated</p>	June 2025	2200

<input type="checkbox"/> PT4-10-2025	Calibration of Digital Caliper	Test Item: Digital Caliper (1 unit) Replacement Unit: Not Available Resolution/Range: 0.001 mm / 0 - 300 mm Test points: 20.0 mm, 50.0 mm, 100.0 mm, 150.0 mm, 200.0 mm, 250.0 mm and 300.0 mm. Uncertainty: 0.002 mm (Approximately)	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1800
<input type="checkbox"/> PT4-11-2025	Calibration of Long Gauge Block	Test Item: Calibration of Long Gauge Block Replacement unit: Available Range: 150 mm, 200 mm and 300 mm Test points: Central Length Uncertainty: ~ 0.4 $\mu$ m	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	June 2025	2300
<input type="checkbox"/> PT4-12-2025	Calibration of Feeler Gauge	Test Item: Feeler Gauge (1 unit) Replacement Unit: Not Available Range: 0 - 1.0 mm Test points: 0.05, 0.20, 0.50, 1.00 mm Uncertainty: 0.0003 mm (Approximately)	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1800

<input type="checkbox"/> PT4-13-2025	Calibration of Plain Ring Gauge	Test Item: Ring gauge (2 units) Replacement Unit: Not Available Range: 19.999 mm and 25.005 mm Test points: Internal diameter Uncertainty: ~ 0.4 $\mu$ m	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	May 2025	2000
<input type="checkbox"/> PT4-14-2025	Calibration of Plain Plug Gauge	Test Item: Plug Gauge (2 units) Replacement Unit: Not Available Range: 19.9999 mm and 30 mm Test points: external diameter Uncertainty: ~ 0.4 $\mu$ m	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	May 2025	2000
<input type="checkbox"/> PT4-15-2025	Calibration of Height Gauge	Test Item: Height Gauge (1 unit) Replacement Unit: Available Resolution/Range: 0.01 mm / 0 – 300 mm Test points: 20 mm, 50 mm, 100 mm, 150 mm, 200 mm, 250 mm and 300 mm. Uncertainty: 0.02 mm (Approximately)	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	2100

<input type="checkbox"/> PT4-16-2025	Calibration of Dial Thickness Gauge	Test Item: Dial Thickness Gauge (1 unit) Replacement Unit: Not Available Range: 0 – 20 mm Resolution: 0.01 mm Test Point: 0.10 mm, 0.20 mm, 0.30 mm, 0.40 mm, 0.50 mm, 1.00 mm, 1.50 mm, 2.00 mm, 2.50 mm, 3.00 mm, 4.00 mm, 5.00 mm, 10.00 mm, 15.00 mm and 20.00 mm. Uncertainty: 0.02 mm (Approximately)	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1800
<input type="checkbox"/> PT4-17-2025	Calibration of Dial Gauge Tester/Calibration Tester	Test Item: Dial Gauge Tester/Calibration Tester (1 unit) Replacement Unit: Not Available Range: 0 – 25 mm Test Point: 0.000, 0.001, 0.002, 0.003, 0.004, 0.005, 0.006, 0.007, 0.008, 0.009, 0.01, 0.02, 0.03, 0.04, 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 25	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	June 2025	2300

<input type="checkbox"/> PT4-18-2025	Calibration of 1 meter Steel Ruler	Test Item: 1 meter Steel Ruler (1 unit) Replacement Unit: Not Available Range: 0 - 1000 mm Test points: 0, 200, 400, 600, 800, 1000 Uncertainty: TBA	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	May 2025	1800
<input type="checkbox"/> PT4-19-2025	Calibration of Measuring Tape	Test Item: Measuring Tape (1 unit) Replacement Unit: Not Available Range: 10m Test point: 0m, 2m, 4m, 6m, 8m and 10m Uncertainty:~ 0.030 mm	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	June 2025	1800
<input type="checkbox"/> PT4-20-2025	Calibration of Mu Checker <b>(Onsite at NMIM)</b>	Test Item: Mu Checker (1 unit) Replacement Unit: Not Available Range: $\pm 50 \mu\text{m}$ Test point: every $10 \mu\text{m}$ Uncertainty: $\sim 1.0 \mu\text{m}$	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	July 2025	1900

<input type="checkbox"/> PT4-21-2025	Calibration of Measuring Microscope <b>(Onsite at NMIM)</b>	Test Item: Measuring Microscope (1 unit) Replacement Unit: Not Available Range: X-axis=200 mm & Y-axis=80 mm <u>Test point</u> X-axis: 20mm, 40mm, 60mm, 80mm, 100mm, 120mm, 140mm, 160mm, 180mm and 200mm. Y-axis: 10mm, 20 mm, 30 mm, 40 mm, 50 mm, 60 mm, 70 mm and 80 mm. Uncertainties: ~0.9 $\mu\text{m}$	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	May 2025	2300
<input type="checkbox"/> PT4-22-2025	Calibration of Portable Roughness Tester	Test Item: Mitutoyo SJ-210 Portable Roughness Tester (1 unit) Replacement Unit: Not Available Uncertainty: 2 $\mu\text{m}$ To be measured using reference specimen of 2.94 $\mu\text{m}$ Ra Value	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	June 2025	2700
<input type="checkbox"/> PT4-23-2025	Calibration of Precision Level	Test Item: Precision Level (1 unit) Replacement Unit: Not Available Range : 1 Div. = 0.02 mm/m Test Point : 0.02, 0.04, 0.06, 0.08 & 0.10 mm/m (Left and right) Uncertainty : 0.007 mm/m	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1500

<input type="checkbox"/> PT4-24-2025	Calibration of Rotary Table <b>(Onsite at NMIM)</b>	Test Item: Rotary table (1 unit) Replacement Unit: Not Available Range: 0° - 360° Test points: 0°,60°,120°,180°,240°,300°,360° Uncertainty: 1.0”	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1700
<input type="checkbox"/> PT4-25-2025	Calibration of Angle Gauge Block	Test Item: Angle gauge blocks (3 units) Replacement Unit: Not Available Test points: 1", 20', 5 ° Uncertainty: 0.70” Method: Non-contact only	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1700
<input type="checkbox"/> PT4-28-2025	Calibration of Digital Pressure Gauge (0-300 (psi))	Test Item: Digital Pressure Calibrator (1 unit) Replacement Unit: Not Available Test points: 0,30, 60, 90, 120, 150, 180, 210, 240, 270, and 300 psi Expanded Uncertainty: 120 ppm	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	3300



<input type="checkbox"/> PT4-30-2025	Calibration of Pin Gauge	Test Item: Pin Gauge (1 unit) Replacement Unit: Not Available Range: 5.5 mm – 25.0 mm Test points: 5.5 mm, 10.0 mm, 15.0 mm and 25.0 mm Uncertainty: 0.001 mm (Approximately)	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1800
<input type="checkbox"/> PT4-31-2025	Calibration of Digital Protractor	Test Item: Digital protractor (1 unit) Replacement Unit: Not Available Test points: 0.0 °, 45.0 °, 90.0 °, 135.0 ° Uncertainty: ~0.2 °	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1700
<input type="checkbox"/> PT4-32-2025	Calibration of Bevel Protractor	Test Item: Angle protractor (1 unit) Replacement unit: Available Test points: 0 °, 5 °, 30 °, 45 ° Uncertainty: ~0.115 °	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1700

<input type="checkbox"/> PT4-33-2025	Calibration of L-Square	Test Item: L-Square (1 unit) Replacement Unit: Not Available Range: 300 mm & 270 mm Test points: Squareness at 300 mm & 270 mm Uncertainty: TBA	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	May 2025	1700
<input type="checkbox"/> PT4-34-2025	Calibration of 3D Artefact (CMM)	Test Item: 3D Artefact (1 unit) Replacement Unit: Not Available Parameter: Diameter, Roundness, Distance, Angle, Flatness, Parallelism, Perpendicular. Uncertainty: TBA	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	July 2025	2900
<input type="checkbox"/> PT4-36-2025	Calibration of linear measuring Instrument (Error of displacement and position) <b>(Onsite at NMIM)</b>	Test Item: Linear measuring Instrument (1 unit) Replacement Unit: Available Range: 0 - 2000 mm; Test points: interval every 200 mm. Uncertainty: ~ 0.001 mm	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	July 2025	6000

<input type="checkbox"/> PT4-37-2025	Calibration of Threaded Ring Gauge	Test Item: Threaded ring gauge (1 unit) Replacement Unit: Not Available Range: Up to 25 mm Test points: simple pitch diameter Uncertainty: 1~2 $\mu$ m	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	August 2025	1700
<input type="checkbox"/> PT4-38-2025	Calibration of Threaded Plug Gauge	Test Item: Threaded plug gauge (1 unit) Replacement Unit: Not Available Range: Up to 25 mm Test points: simple pitch diameter Uncertainty: 1~2 $\mu$ m	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	August 2025	1700
<input type="checkbox"/> PT4-39-2025	Calibration of Caliper Checker	Test Item: Caliper Checker (1 unit) Replacement Unit: Not Available Range: 600 mm Test Point: 0, 20, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600 mm Uncertainty: TBA	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	July 2025	2300

<input type="checkbox"/> PT4-40-2025	Calibration of Precision Reference Specimen	Test Item: Mitutoyo Precision Reference Specimen (1 unit) Replacement Unit: Not Available Ra: 2.94 $\mu\text{m}$ Uncertainty: 0.06 $\mu\text{m}$	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	June 2025	2000
<input type="checkbox"/> PT4-41-2025	Calibration of Digital Pressure Gauge (0-70 (MPa))	Test Item: Digital Pressure Calibrator (1 unit) Replacement Unit: Not Available Test points: 0, 7, 14, 21, 28, 35, 42, 49, 56, 63, 70 MPa Expanded Uncertainty: 120 ppm	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	3300
<input type="checkbox"/> PT5-01-2025	Determination of pH in clean water	Test Item: Unknown pH in clean water (1 unit) Replacement Unit: Available pH 4, pH 6 & pH 9 uncertainty value: 0.03	Scope : Existing / New applicant *cut the unrelated	April 2025	350
<input type="checkbox"/> PT5-02-2025	Determination of COD in class II water	Test Item: Unknown COD in class II water (1 unit) Replacement Unit: Available COD range: 10 – 50 mg/L	Scope : Existing / New applicant *cut the unrelated	May 2025	350

<input type="checkbox"/> PT5-03-2025	Determination of BOD in class II water	Test Item: Unknown BOD in class II water (1 unit) Replacement Unit: Available BOD range: 1 – 6 mg/L	Scope : Existing / New applicant *cut the unrelated	June 2025	350
<input type="checkbox"/> PT5-04-2025	Determination of DO in class II water	Test Item: Unknown DO in class II water (1 unit) Replacement Unit: Available DO range: 1 – 7 mg/L	Scope : Existing / New applicant *cut the unrelated	June 2025	350
<input type="checkbox"/> PT5-05-2025	Determination of Conductivity in Water	Test Item: Unknown conductivity in water (1 unit) Replacement Unit: Available Conductivity range: 500 - 1500 $\mu\text{S}/\text{cm}$	Scope : Existing / New applicant *cut the unrelated	June 2025	350
<input type="checkbox"/> PT5-06-2025	Determination of Salinity in Water	Test Item: Unknown salinity in water (1 unit) Replacement Unit: Available Percentage of salinity range: 0-10 %	Scope : Existing / New applicant *cut the unrelated	June 2025	350
<input type="checkbox"/> PT5-07-2025	Determination of Mass fraction of Heavy Metal (As, Cd, Pb) in Food	Test Item: Unknown concentration of Heavy Metal in Food (1 unit) Replacement Unit: Available Concentration range: 1. As (1 – 30 mg/kg) 2. Cd (0.1 – 20 mg/kg) 3. Pb (5 – 30 mg/kg)	Scope : Existing / New applicant *cut the unrelated	June 2025	500

□ PT5-08-2025	Determination of Mass fraction of Heavy Metal (As, Cd, Pb) in Health Supplement	<p>Test Item: Unknown concentration of Heavy Metal in Health Supplement (1 unit)</p> <p>Replacement Unit: Available</p> <p>Concentration range:</p> <ol style="list-style-type: none"> <li>1. As (1 – 30 mg/kg)</li> <li>2. Cd (0.1 – 20 mg/kg)</li> <li>3. Pb (5 – 30 mg/kg)</li> </ol>	Scope : Existing / New applicant *cut the unrelated	March 2025	500
□ PT5-09-2025	Determination of Mass fraction of Heavy Metal (As, Cd, Pb) in Clean Water	<p>Test Item: Unknown concentration of Heavy Metal in Clean Water (1 unit)</p> <p>Concentration range:</p> <ol style="list-style-type: none"> <li>1. As (0.1 – 30 µg/kg)</li> <li>2. Cd (0.1 – 30 µg/kg)</li> <li>3. Pb (0.1 – 30 µg/kg)</li> <li>4. Sb (0.1 – 30 µg/kg)</li> </ol>	Scope : Existing / New applicant *cut the unrelated	May 2025	500
□ PT5-10-2025	Determination of Mass fraction of Methoxychlor in water	<p>Test Item: Unknown concentration of Methoxychlor in water (1 unit)</p> <p>Concentration range: 0.1 mg/ kg - 10mg/ kg</p>	Scope : Existing / New applicant *cut the unrelated	June 2025	550
□ PT5-11-2025	Determination of water content in Lactose	<p>Test Item: Unknown concentration of water content in Lactose (1 unit)</p> <p>Percentage of water content range: 1-10%</p>	Scope : Existing / New applicant *cut the unrelated	June 2025	400
□ PT5-12-2025	Moisture Content in Rice	<p>Test Item: Rice moisture reference Material</p> <p>Range: 12% – 14 % of water content</p>	Scope : Existing / New applicant *cut the unrelated	February 2025	850

<input type="checkbox"/> PT5-13-2025	Analysis of Carbon Monoxide & Propane Concentration <b>(Onsite at Gas Laboratory NMIM)</b>	Test Item: 4.5 % carbon monoxide & 2000 propane in nitrogen (1 unit) Replacement Unit: Available <table border="1" data-bbox="705 355 1173 544"> <thead> <tr> <th>No.</th> <th>Gas (Portable)</th> <th>Test Point</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Carbon Monoxide Propane</td> <td>4.5% 2000ppm</td> </tr> </tbody> </table>	No.	Gas (Portable)	Test Point	1.	Carbon Monoxide Propane	4.5% 2000ppm	Scope : New applicant	February 2025	1900
No.	Gas (Portable)	Test Point									
1.	Carbon Monoxide Propane	4.5% 2000ppm									
<input type="checkbox"/> PT5-17-2025	Purity of Gold for Non-Destructive XRF Analyser (range 750 – 999mg/g)	Test Item: Gold Standard Material (1 unit) Replacement Unit: Available Range: 750 – 999 in mass fraction mg/g Expanded Uncertainty ~ ± 1.5 mg/g	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1100						
<input type="checkbox"/> PT5-18-2025	Purity of Gold for Non-Destructive XRF Analyser (range 585 – 749.9 mg/g)	Test Item: Gold Standard Material (1 unit) Replacement Unit: Available Range: 585 – 749.9 in mass fraction mg/g Expanded Uncertainty ~ ± 1.4 mg/g	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	February 2025	1100						

<input type="checkbox"/> PT5-19-2025	Chromium Content in Stainless Steel for Non- destructive XRF Analyzer	Test Item: Multielement Reference Samples (1 unit) Replacement Unit: Available Range: 100 - 200 in mass fraction mg/mg Expanded Uncertainty ~ ± 0.6 mg/g	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	Sept 2025	1100
<input type="checkbox"/> PT5-20-2025	Heavy Metal Cr in Polyethylene for Non- destructive XRF Analyzer	Test Item: Multielement Reference Samples (1 unit) Replacement Unit: Available Range: 0 - 1000 in mass fraction mg/kg Expanded Uncertainty ~ ± 5% relative	Brand/Model :  Resolution:  Accuracy/Expanded Uncertainty:  Scope : Existing / New applicant *cut the unrelated	June 2025	1100