



METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER


Gen. Santos Ave., Bicutan, Taguig City

Tel. Nos.: (632) 837-0431 to 38, Fax Nos.: (632) 837-0430, 838-7878

NOTICE TO PUBLIC

New Schedule of Calibration Fees

effective 02 January 2019


ROBERT O. DIZON
Executive Director



METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER

SCHEDULE OF FEES AND CHARGES FOR TESTING, ANALYSIS AND CALIBRATION SERVICES EFFECTIVE as of 02 JANUARY 2019

ELECTRICAL CALIBRATION

TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)	TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
AC Current Source/Standard up to 50A	2,650.00	High Voltage Meter (up to 10 kV) Up to 10 kV	2,000.00
per succeeding range	750.00	per succeeding range	1,150.00
AC Voltage Source/Standard up to 1000V	1,750.00	Insulation Tester (Megohmmeter) up to 1000V	1,050.00
per succeeding range	550.00	per succeeding range	350.00
Ammeter (AC, 20 A) 1 to 2 ranges	750.00	Megohmmeter up to 1000MΩ	1,090.00
1 to 5 ranges	1,200.00	per succeeding range	350.00
Ammeter (DC, 2 A and below) 1 to 2 ranges	700.00	Kelvin Bridge up to 1MΩ	2,100.00
1 to 5 ranges	1,150.00	per succeeding range	1,250.00
Ammeter (DC, above 2 A) 1 to 2 ranges	1,000.00	Millivolt Potentiometer Up to 100mV	1,850.00
1 to 5 ranges	1,700.00	per succeeding range	900.00
AC Clampmeter (up to 500A) up to 500A	800.00	Multimeter, Analog	2,250.00
per succeeding range	300.00	Multimeter, Digital, 3 ½ digits	3,250.00
Current Shunt, (AC, 10 A)	1,300.00	4 ½ digits	5,050.00
Current Shunt, (AC, 50 A)	1,650.00	5 ½ digits	7,900.00
Current Shunt, (DC, 10 A)	1,400.00	6 ½ digits	10,150.00
Current Shunt, (DC, 50 A)	1,700.00	Ohmmeter 100mΩ to 100GΩ	900.00
DC Current Source/Standard Up to 50A	2,100.00	per succeeding range	350.00
per succeeding range	900.00	Ohmmeter (0-14 pH)	700.00
DC Voltage Source/Standard by direct measurement up to 1000V	1,400.00	Puncture Tester 1st range	950.00
per succeeding range	650.00	per succeeding range	400.00
by transfer method up to 1000V	2,600.00	Puncture w/ Insulation Tester Up to 5Kv AC/DC, 2A AC/DC, and 100 MΩ	1,950.00
per succeeding range	1,100.00	Resistance Box 1st five points	550.00
DC Clampmeter up to 500A	900.00	per succeeding point	150.00
per succeeding range	350.00	Rheostat	550.00
Decade Resistance Box (per dial)	1,100.00	Stopwatch (15 mins. minimum)	680.00
Double Bridge 1st range	1,800.00	Standard Resistor by direct measurement	3,150.00
per succeeding range	1,100.00	by ratio	4,250.00
Earth Tester 1st range	1,350.00	Surface Resistance Checker 1st range	850.00
per succeeding range	400.00	per succeeding range	510.00
Electronic Load up to 20A	1,200.00	Ultrasonic Tester	1,600.00
per succeeding range	800.00	Variable AC Transformer	700.00
Groundstrap Tester/Checker 1st range	550.00	Voltmeter, (1000V, AC/DC) 1st range	700.00
per succeeding range	330.00	per succeeding range	350.00

Note: The prices indicated herein serve as general guides and may vary from model to model.

Approved by:

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Executive Director



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EFFECTIVE as of 02 JANUARY 2019

ELECTRICAL CALIBRATION

TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)	TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
Wattmeter (AC 240V, 5A)		Wattmeter (DC 240V, 5A)	
1st range	1,800.00	1st range	1,845.00
per succeeding range	900.00	per succeeding range	800.00
		Wheatstone Bridge	3,350.00

TEMPERATURE CALIBRATION

TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)	TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
Clinical Thermometer (-20 to 80°C)	1,700.00	Sling Psychrometer (bulb-type)	
Digital Thermometer, T/C		0 to 50 °C	1,940.00
1st range	1,800.00	Temperature Controller (RTD, T/C)	1,800.00
per succeeding range	500.00	Temperature Indicator (RTD, T/C)	1,800.00
Digital Thermometer, Add'l Probe	1,800.00	Temperature Recorder (RTD, T/C)	
Digital Thermometer, RTD		Single-point	
1st range	1,800.00	1st range	1,800.00
per succeeding range	500.00	per succeeding range	450.00
Glass/Filled/Bimetallic Thermometer		Multi-point	
-30 +120 °C (1st 5 points)	1,750.00	1st range	2,900.00
per additional point	500.00	per succeeding range	650.00
0 to 100 °C (1st 5 points)	1,700.00	Thermocouple Calibrator/Simulator	
per additional point	500.00	1st range	2,200.00
0 to 200 °C (1st 5 points)	1,700.00	per succeeding range	650.00
per additional point	500.00	Thermocouple Probe/Wire	
0 to 350 °C (1st 5 points)	1,750.00	-30 to +100 °C (1st 5 points)	1,750.00
per additional point	500.00	per additional test point	500.00
50 to 600 °C (1st 5 points)	1,700.00	0 to 100 °C (1st 5 points)	1,250.00
per additional point	500.00	per additional test point	500.00
Furnace		0 to 200 °C (1st 5 points)	1,450.00
50 to 500°C, single test point	2,100.00	per additional test point	500.00
per additional test point	500.00	0 to 300 °C (1st 5 points)	1,750.00
500 to 1000°C, single test point	2,700.00	per additional test point	500.00
per additional test point	650.00	0 to 500 °C (1st 5 points)	1,850.00
Oven/Freezer		per additional test point	500.00
-30 to +500 °C, single test point	2,100.00	50 to 1000 °C (1st 5 points)	2,000.00
per additional test point	500.00	per additional test point	500.00
RTD Calibrator/Simulator		Thermohygrograph	1,450.00
1st range	2,100.00	Electronic/Dial Thermohygrograph	1,550.00
per additional test point	650.00	Hygrograph	650.00
RTD Probe/Wire, Industrial		Electronic/Dial type hygrometer	700.00
-30 to +500 °C (1st 5 points)	1,950.00	Thermostat	750.00
per additional test point	750.00	Water Bath, -30 to +500 °C	
RTD Probe/Wire, Standard		1st temperature setting	2,100.00
-30 to +500 °C (1st 10 points)	3,700.00	per additional temperature setting	550.00
per additional test point	900.00		
Surface Temperature Probe			
50 to 300 °C	1,400.00		

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PRESSURE CALIBRATION

TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
Current to Pressure (I/P) Transducer	1,400.00
Pressure to Current (P/I) Transducer	1,400.00
Differential Transmitter (D/P Cell)	
Electronic	1,400.00
Pneumatic	1,300.00
Pressure Gauge	
Pneumatic, industrial grade	900.00
Hydraulic, industrial grade	900.00
Test Gauge	
Pneumatic	2,300.00
Hydraulic	2,300.00
Pneumatic Deadweight Pressure Tester	2,950.00
Measurement of Piston Diameter	700.00
Weighing of Deadweight (per piece)	250.00
Hydraulic Deadweight Pressure Tester	2,850.00

TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
Pneumatic Pressure Calibrator	
0 to 40 bar (1st range)	2,300.00
per succeeding range	1,300.00
Pneumatic Controller	1,000.00
Pneumatic Indicator	900.00
Pneumatic Recorder	1,000.00
Pneumatic Pressure Switch	900.00
Pressure Measuring Instrument (Barometer, Barograph, Electronics) (reg. 6 test points)	
700hPa – 1040hPa	700.00
per succeeding test points	250.00
Mercurial Barometer (reg. 6 test points)	
700hPa – 1040 hPa	850.00
per succeeding test points	300.00

FORCE CALIBRATION

TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
Electronic Balance	
500 g capacity and below	1,350.00
above 500 g capacity up to 100 kg	1,550.00
Gram Gauge	900.00
Push-Pull Gauge up to 100 kg	1,100.00
Rockwell Hardness Tester (per scale)	2,350.00
UTM	
for one range	3,700.00
for additional ranges	1,545.00
Torque Wrench	
single direction	1,300.00
dual direction	1,950.00

TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
Torque Meter	
single direction	1,950.00
dual direction	3,250.00
Triple Beam Balance	1,140.00
Non-Automatic Weighing Instruments	
Electronic Type 0-100 kg	1,550.00
Performance Testing	
Mechanical Type (up to 1 ton)	1,550.00
Electronic Type	
up to 1 ton	1,550.00
additional fee in excess ton	70.00

DIMENSIONAL MEASUREMENT

Dimensional Inspection (per sample)	
Roundness Measurement (Conventional Method)	500.00
Surface Roughness Assessment	500.00
Straightness Measurement	500.00
Radius Gauge	500.00
Impact Specimen	500.00
G.I. Pipes	500.00

Machine Components/Equipment Parts/Instruments not included in the list	500.00
Dimensional Measurement using LASER per sample	
0-300 mm range	2,150.00
Dimensional Measurement using CMM per hr.	500.00
Conventional measurement using V. caliper, Dial Gauge, O. micrometer, etc.	500.00

Note: The prices indicated herein serve as general guides and may vary from model to model.

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LENGTH CALIBRATION

TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)	TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
Vernier Caliper		Calibration Tester	2,300.00
0 - 150 mm range	850.00	Caliper Checker - 600 mm and below	2,900.00
0 - 250 mm range	1,225.00	Precision Check Master	
above 150 - 200 mm range	950.00	600 mm and below	3,300.00
above 200 - 300 mm range	1,225.00	Precision Straight Edge	
above 300 - 600 mm range	1,400.00	1000 mm and below	1,500.00
above 600 - 1000 mm range	1,300.00	Granite Surface Plate	
External Micrometer		Diagonal Length in mm:	
0 - 25 mm range	700.00	Over up to & including	
above 25 - 100 mm range	800.00	- 354	3,500.00
above 100 - 150 mm range	1,000.00	354 566	3,600.00
above 150 - 200 mm range	1,250.00	566 891	4,000.00
above 200 - 250 mm range	1,600.00	891 1414	4,300.00
above 250 - 300 mm range	1,800.00	1414 2236	4,500.00
Setting Rod calibration per piece	550.00	2236 2968	4,700.00
Tubular Micrometer calibration for		Dial Caliper Gauges	1,400.00
Micrometer head only	1,500.00	Machine Tools: (using LASER)	
Depth Micrometer	750.00	Linear Positioning Error	
Feeler Gauge per leaf	300.00	per axis/meter	3,600.00
Combination Set		Straightness Error per axis/meter	3,600.00
Centering Head	700.00	Squareness per axis/meter	7,200.00
Protractor Head	1,000.00	Steel Rule	
Square Head	1,000.00	0-300 mm	500.00
Steel Rule	650.00	above 300-600 mm	650.00
Dial Gauge, Dial Thickness Gauge		above 600-1000 mm	900.00
and Dial Test Indicators using		above 1000-1500 mm	900.00
calibration tester		above 1500-2000 mm	900.00
0-20.0 mm range	850.00	Steel Rule (using LASER)	
Dial/Thickness Gauge with		0-1000 mm range	1,100.00
Non-Removable Handle		above 1000 - 1500 mm range	2,150.00
0-50 mm range	1,650.00	above 1500 - 2000 mm range	2,800.00
Height Master, 0-310mm, per column	2,700.00	Glass Scale	
Vernier and Digimatic Height Gauge		0-100 mm, max. 10 points	600.00
0 - 600 mm range	1,000.00	0-200 mm, max. 10 points	800.00
Gauge Block		0-300 mm, max. 10 points	900.00
Grade 0 (per piece)	700.00	0-400 mm, max. 10 points	900.00
Grade 1 (per piece)	550.00	Dimensional Measurement using	
Grade 2 (per piece)	400.00	LASER per sample	
Deburring (per piece)	150.00	0-300 mm range	2,150.00
Rectangular Gauge Block		Dimensional Measurement using	
Grade 0 (Steel)	1,160.00	CMM per hr.	500.00
Grade 1 (Steel)	1,030.00	Conventional Measurement	500.00
Grade 2 (Steel)	1,030.00	Coordinate Measuring Machine	
Fixed Gauge (Plug/Go-No Go) per side	850.00	Linear Error/Axis	4,300.00
Pin Gauge (per piece)	300.00	Straightness of axis	4,300.00
Toolmakers Microscope	2,800.00	Squareness of axis	4,300.00
Optical Projector	2,800.00	Precision Square	
Mu-Checker (for one range)	1,800.00	200 x 300 mm and smaller	1,550.00
per additional setting range	850.00		

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TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
Precision Square Master (using LASER)	2,900.00
Bevel Protractor	1,350.00
Precision Level per scale	1,200.00
Rockwell Hardness Tester (per scale)	2,350.00
UTM	
for one range	3,700.00
for additional ranges	1,545.00
Bore Gauge – 300 mm and below	1,900.00
Microindicators	1,650.00
Vernier Depth Gauge	1,200.00
Ball Bar Testing	2,500.00
Digimatic Indicator	1,650.00
Comparison of LASER using:	
UMM for x-axis only (combined)	3,900.00
Precision Square Master	4,900.00

TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
Snap Gauge/Snap Meter, 0-25mm	
0 – 25 mm	1,700.00
25 – 100mm	2,100.00
Carpenter Square	
Squareness	1,500.00
Linear Scale per leg	800.00
De-burring of other Small Tools	750.00
Caliper Type Inside Micrometer	1,650.00
Depth Micrometer	700.00
Tape Measure	
up to 10m	700.00
additional fee per meter	70.00
Digital Thickness Gauge	
(Non-removable)	1,650.00
Dial Gauges (>20mm)	1,650.00

MASSES

TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
NAWI, Electronic Type Only (On-site Calibration)	
up to 2kg (using OIML Class E2)	2,000.00
up to 60 kg (using OIML Class F1)	1,530.00
up to 200kg (using OIML Class F2)	1,530.00
up to 300kg (using OIML Class M1)	1,530.00

TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
NAWI, Electronic & Mechanical Types (Base Laboratory or On-site Calibration)	
High Accuracy II (using OIML Class F2)	1,200.00
Medium Accuracy III & Ordinary IIII (using OIML Class M1 and substitution material)	1,080.00
Add'l fee for every ton thereafter in excess of 1 ton	20.00

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FIELD JOBS

Non-Destructive Testing Laboratory

Field Inspection personnel

Two (2) or less personnel

More than two (2)

a) Within Metro Manila

Radiography

PhP 3,000.00

PhP 3,000.00 + 800/person

Ultrasonic

PhP 3,000.00

PhP 3,000.00 + 800/person

Magnetic Particle

PhP 2,000.00

PhP 2,000.00 + 800/person

Penetrant

PhP 2,000.00

PhP 2,000.00 + 800/person

b) Outside Metro Manila

Radiography

PhP 3,600.00

PhP 3,600.00 + 1,200/person

Ultrasonic

PhP 3,600.00

PhP 3,600.00 + 1,200/person

Magnetic Particle

PhP 3,000.00

PhP 3,000.00 + 1,200/person

Penetrant

PhP 3,000.00

PhP 3,000.00 + 1,200/person

Physical Metallurgy Laboratory

Replication

a) Within Metro Manila

PhP 2,000.00

PhP 2,000.00 + 800/person

b) Outside Metro Manila

PhP 3,000.00

PhP 3,000.00 + 1,200/person

Instrumentation and Metrology Laboratory

In-Plant Calibration

a) Within 50km radius from base laboratory per day per team

PhP 2,000.00

b) More than 50km radius from base laboratory per day per team

PhP 3,000.00

Physico-Chemical Laboratory

Sampling

a) Within Metro Manila

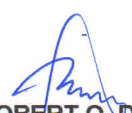
PhP 3,000.00

b) Outside Metro Manila

to be evaluated

*** ADDITIONAL COST FOR FIELD JOBS WITH OVERTIME, AND ON SATURDAYS, SUNDAYS AND HOLIDAYS.**

Approved by:


ROBERT O. DIZON
Executive Director