

Department of Science and Technology
METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER

Analysis & Testing Oivision

SCHEDULE OF FEES AND CHARGES

as of 01 September 2009 (subject to change without prior notice)

Laboratory Accreditation:



PNS ISO/IEC 17025:2005
Philippine Accreditation Office - Laboratory Accreditation (PAO-LA)
Physico-Chemical Testing/Mechanical Metallurgy Testing,
Corrosion Testing, Nondestructive Testing, Calibration

for more information, write or call
THE DIVISION CHIEF
ANALYSIS AND TESTING DIVISION (ATD)
Metals Industry Research and Development Center
Gen. Santos Avenue, Bicutan, Taguig City, 1631 Philippines • Tel. No.: (632) 837-0431 to 38 locals 480/481/482
Fax No.: (632) 838-7878/837-0430 • Website: http://www.mirdc.dost.gov.ph

INSTRUCTION TO ATD CUSTOMERS

SUBMITTING ITEMS FOR TESTING OR CALIBRATION

STFP 1

Proceed to appropriate laboratory

(PHYSICO-CHEMICAL, CORROSION, PHYSMET, MECHANICAL, NDT, INSTRUMENTATION, METROLOGY)

- Laboratory staff attends to Customer's requirement and fills out a Request for Work Form (RFW)
- 2. For in-house calibration, downpayment may be waived, proceed to Step 3
- 3. For in-plant calibration, 50% downpayment is required

STEP 2

Proceed to Cashier's Office for payment

- 1. Present RFW to Cashier and pay the required amount
- Cashier issues O.R. to Customer.

STEP 3

Proceed to ATD-DHO

- 1. Present RFW and O.R. (if any) to ATD-DHO staff
- 2. ATD-DHO staff/customer accomplishes Job Order Form
- 3. Customer signs Job Order Form. ATD-DHO staff signs Visitor's Pass

CLAIMING OF TEST/CALIBRATED ITEMS AND CERTIFICATES

STEP 1

Proceed to ATD-DHO

- 1. Present RFW to ATD-DHO staff
- 2. ATD-DHO staff reviews RFW and advises Customer to proceed to Cashier's Office. (Note: If payment is already settled, proceed to Step 3)

STEP 2

Proceed to Cashier's Office for payment

- 1. Present RFW to cashier and pay the required amount
- 2. Cashier issues O.R. and Invoice (if any) to Customer

STEP 3

Proceed to ATD-DHO

- 1. Present RFW, O.R. and Invoice (if any) to ATD-DHO staff
- 2. Customer signs Certificate duplicate to acknowledge receipt
- ATD-DHO staff releases Test or Calibration Certificate, test and calibrated items. Issues and signs Gate Pass and Visitor's Pass

Test/Calibration Certificates, tested samples and calibrated items are released only upon full payment and presentation of original **RFW/Claim Stub**.

MIRDC is a regular government agency and **Non-VAT** registered.

PHYSICO-CHEMICAL LA	BORATORY RATE (PhP)	12. MANGANESE 12.1 In Ferrous/Non-Ferrous 12.2 In Powders	485.00 1,310.00
1. CARBON/SULFUR		13.3 In FeMn/Mn Ores/Mn Steel	1,170.00
1.1 In Ferrous 1.2 In Non-Ferrous 1.3 In Powders 1.4 In Tinplates (Carbon)	500.00 500.00 500.00 500.00	13. MOLYBDENUM 13.1 In Steel 13.2 In Cast Iron 13.3 In FeMo	1,100.00 1,300.00 1,180.00
2. ALUMINUM		14. NICKEL	
2.1 In Ferrous/Non-Ferrous 2.2 In Powders	485.00 1,310.00	14.1 In Ferrous/Non-Ferrous 14.2 In Powders 14.3 In Ni-based, Cu-Ni &	485.00 1,310.00
3. ANTIMONY		Ni-Cu Alloy & SS	800.00
3.1 In Non-Ferrous 3.2 In Babbit	485.00 485.00	45 DUOCDUODUC	
4. BISMUTH 4.1 In Non-Ferrous	485.00	15. PHOSPHORUS 15.1 In Ferrous 15.2 In Powders	880.00 1,310.00 800.00
4.1 III Non-r enous	403.00	15.3 In Cu-based Alloy	800.00
5. CADMIUM 5.1 In Non-Ferrous 5.2 In Ag Brazing Alloy	485.00 790.00	16. SILICON 18.1 In Ferrous/Non-Ferrous 18.2 In Al-based Alloy (Grav/UV) 18.3 In Powders (Grav)	820.00 925.00 1,320.00
6. CHROMIUM	405.00	18.4 In FeSi (Vol)	900.00
6.1 In Ferrous/Non-Ferrous6.2 In Powders6.3 In Stainless Stee/Cast Iron		17. SILVER 17.1 In Non-Ferrous	485.00
Tool Steel 6.4 In Chrome Ores/FeCr	640.00 1,330.00	17.2 In Powders 17.3 In Ag-Brazing Alloy	1,310.00 485.00
7. COBALT		18. TIN	
7.1 In Ferrous/Non-Ferrous 7.2 In Powders	485.00 1,310.00	18.1 In Ferrous/Non-Ferrous 18.2 In Powders 18.3 In Solders, Pb-based	485.00 1,310.00
8. COPPER	405.00	& Cu-based Alloy	660.00
8.1 In Ferrous/Non-Ferrous8.2 In Powders8.3 In High-Purity Copper/ Cu-based/Cu-Ni/Ni-Cu Alloy	485.00 1,310.00 785.00	19. TITANIUM 19.1 In Al-based Alloy	530.00
ou bacca, ou ruiru ou ruici	7 00.00	20. ZINC	
9. IRON 9.1 In Non-Ferrous	485.00	20.1 In Non-Ferrous	485.00
9.2 In Powders 9.3 In Fe Ore	1,310.00 1,020.00	20.2 In Brass/Ag Brazing Alloy/ Zn dross	1,300.00
9.4 In Al-based Alloy	610.00	21. MOISTURE	245.00
10. LEAD 10.1 In Ferrous/Non-Ferrous	485.00	22. PROXIMATE ANALYSIS	590.00
10.2 In Powders 10.3 In Pb-based, Pb-Sn & Cu-based	1,310.00	23. VES ANALYSIS 23.1 Ferrous 23.2 Non-Ferrous	2,750.00 3,100.00
11. MAGNESIUM 11.1 In Ferrous/Non-Ferrous 11.2 In Powders 11.3 In Al-based Alloy 11.4 In limestone	485.00 1,310.00 920.00 1,100.00	24.2 Vanadium per qu	

CORROSION LABORATORY		14. ANALYSIS OF PLATING SOLUTION 14.1 COPPER SULFATE SOLUTION	
TEST NAME RATE (PhP)		14.1.1 Copper Sulfate	450.00
1. BEND TEST	200.00	14.1.2 Sulfuric Acid 14.2 CHROME PLATING SOLUTION	400.00
2. TAPE TEST	160.00	14.2.1 Cr ⁺³ 14.2.2 Chromic Acid, CrO ₃ 14.2.3 Sulfuric Acid	400.00 400.00 750.00
3. IMPACT TEST	220.00	14.3 TIN PLATING SOLUTION 14.3.1 Stannous Tin	150.00
4. PENCIL HARDNESS TEST	185.00	14.3.2 Stannic Tin 14.3.3 Sulfuric Acid	430.00 750.00
5. IDENTIFICATION OF METALLIC COATING	300.00	15. SAMPLE PREPARATION (Stripping of	
6. SALT SPRAY TEST 6.1 Per 8 hrs./sample 6.2 Per 24 hrs./sample	740.00 1,425.00	15.1 G.I. Wires 15.2 G.I. Sheets/Pre-painted Sheets 15.3 Blackened Samples	100.00 120.00 120.00
6.3 Per 24 hrs. (Sat/Sun/Holiday) 6.4 Per additional sample	2,030.00 200.00	16. PHOTO PRINT	80.00
7. CASS TEST 7.1 Per 8 hrs. 7.2 Per 24 hrs.	765.00 1,745.00	MECHANICAL METALLURGY LABORATORY	
7.3 Per 24 hrs (Sat/Sun/Holiday) 7.4 Per additional sample	2,680.00 200.00	TEST NAME RATI	E (PhP)
8. THICKNESS OF COATING		1. TENSION TEST	
8.1 Stripping Method		Plate/Cylinder/Rebar	160.00
8.1.1 G.I. Sheet	320.00	Bolts (Axial/Wedge) Guy Wire	290.00 325.00
8.1.2 Wires	375.00 410.00	Using Instron	300.00
8.1.3 Pre-painted Sheet 8.2 Micrometer Method	410.00	Plate/Cylinder/Round Bars	
8.2.1 Plain Sheet	320.00	For 1000-1500mm ²	260.00
8.2.2 Pre-painted Sheet	390.00	For <u>></u> 1500mm ²	515.00
8.3 Electrolytic Method		2. BEND TEST	
8.3.1 Single Layer	570.00 300.00	Plate/Cylinder/Rebar	150.00
8.3.2 Per additional Layer 9. WEIGHT/THICKNESS OF ZINC COA		3. VARIATION IN MASS	35.00
(Stripping Method)			
9.1 Average of Single Spot		4. DEFORMATION MEASUREMENT	35.00
9.1.1 G.I. Sheet 9.1.2 G.I. Wires	385.00 420.00	5. HARDNESS TEST	
9.1.3 Pre-painted G.I. Sheet	500.00	Rockwell, 5 Indentations	115.00
9.1.4 G.I. Pipe	000.00	Brinell, 2 Indentations	150.00
<100 mm dia.	430.00	Vickers, 5 Indentations	190.00
100-150 mm dia.	570.00	Micro Vickers, 1 Indentation	210.00
150-200 mm dia. 9.2 Triple Spot	680.00	6. COMPRESSION TEST	
9.2.1 G.I. Sheet	400.00	Using Shimadzu	275.00
9.2.2 Pre-coated G.I. Sheet	500.00	Using Instron	300.00
10. WEIGHT OF TIN COATING	575.00	7. FLATTENING/TRANSVERSE TEST Using Shimadzu	150.00
11. WEIGHT OF WAX COATING	290.00	Using Instron	300.00
12. pH	250.00	8. PROOFLOAD/BREAKING LOAD	055.00
13. SPECIFIC GRAVITY	180.00	Manhole cover/Grating Clevis Assembly Turn Buckle, 1"-2"	955.00 1,020.00 575.00

Turn Buckle, >2" Wire Rope/Cable Wires >	1,145.00 Ø1½" 955.00	2. MACROEXAMINATION	1,850.00
Small Sample (<50kg) Big Sample (50 to 100kg) Heavy Sample (above 100 Using Instron	305.00 510.00	3. METALLOGRAPHIC REPLICATION (In addition to metallography cost depending on type of metal/alloy)	600.00
9. SHEAR TEST	000.00	4. PHOTOGRAPHY	80.00
Using Shimadzu	290.00	5. SCANNING ELECTRON MICROSCO	PY
Using Instron	300.00	Conductive Sample	2,000.00
10. DEFLECTION TEST		Non-Conductive Sample	2,600.00
Shimadzu (5 readings) Instron (5 readings)	300.00 365.00	6. ENERGY DISPERSIVE SPECTROSCOPY	2,000.00
11. FRACTURE/BREAK TEST	625.00	7. MOUNTING	
12. PULL-OUT TEST (Instron	300.00	Transoptic Bakelite	80.00 80.00
	•	Epo-fix	320.00
13. NOTCHING	110.00	Cito-fix Epo-Cito fix	360.00 300.00
14. OXY-ACETYLENE CUTTIN	NG 30.00	·	000.00
15. SECTIONING COST		8. METALLOGRAPHIC GRINDING	400.00
Up to 1 in ² 1 - 4 in ²	140.00	9. GRINDING/POLISHING	750.00
	190.00	10. ETCHING	120.00
16. GRINDING COST	75.00	11. FAILURE INVESTIGATION	25,000.00
17. PHOTO PRINT (B/W)	80.00	12. FRACTOGRAPHIC EVALUATION	7,000.00
18. IMPACT TEST	per quotation basis	13. METAL CHARACTERIZATION	9,000.00
19. HYDRAULIC BURST AND			-,
AIR LEAK TEST FOR LPG CYLINDER	per quotation basis	14. METAL CLASSIFICATION/ CERTIFICATION	750.00
20. BEND, TWIST AND WINDING TESTS	per quotation basis		
		NONDESTRUCTIVE TES	TING
PHYSICAL MET	ALLURGY	LABORATORY	
LABORATORY		TEST NAME RA	TE (PhP)
TEST NAME	RATE (PhP) m	1. RADIOGRAPHY, X-RAY (3.5" x 17"	film)
	, ,	10 mm thick and below	450.00
1. METALLOGRAPHY Plain Carbon Steel	1,600.00	>10-25 mm thick >25-35 mm thick	480.00 520.00
Cast Iron	2,000.00	>35-50 mm thick	550.00
Stainless Steel	2,250.00		
High Alloy Steel	2,250.00	2. RADIOGRAPHY, X-RAY (14" x 17" f	
Al/Al Alloy	2,050.00	10 mm thick and below	950.00
Cu/Cu Alloy Pb/Pb Alloy	2,200.00	>10-25 mm thick >25-35 mm thick	970.00 990.00
Weldments	3,800.00 3,500.00	>35-50 mm thick	1,030.00
Boiler Tubes	2,500.00		,
Galvanized Sheet	2,500.00	3. ULTRASONIC TESTING	
Multi-layered Bearings	2,600.00	Flaw Detection (per sq. ft.)	320.00
Thickness of Coating	2,200.00	Flaw Detection (per linear ft.) Thickness Gauging (per point)	350.00 50.00

4		40 00 01 110 110 1	
4. LIQUID PENETRANT TESTING	240.00	13. DC CLAMPMETER (up to 500 A)	
Visible (per sq. ft.)	310.00	1st range	720.00
Visible (per linear ft.) Fluorescent (per sq. ft.)	300.00	Per succeeding range	300.00
Fluorescent (per sq. n.) Fluorescent (per linear ft.)	350.00 310.00	14. DECADE RESISTANCE BOX	
Fluorescent (per linear it.)	310.00	Per dial	880.00
5. MAGNETIC PARTICLE TEST		i ei ulai	000.00
Wet-Visible (per sq. ft.)	330.00	15. DOUBLE BRIDGE	
Wet-Visible (per linear ft.)	330.00	1st range	1,420.00
Fluorescent (per sq. ft.)	300.00	Per succeeding range	860.00
Fluorescent (per linear ft.)	300.00	3 - 3	
,		16. EARTH TESTER	
ELECTRICAL CALIBRA	TION	1st range	1,100.00
ELECTRICAL CALIBRA	ATION	Per succeeding range	310.00
TEST NAME F	RATE (PhP)		
	,	17. ELECTRONIC LOAD	
1. AC CURRENT SOURCE/STANDA	RD	1st range	950.00
1st range	2,070.00	Per succeeding range	630.00
Per succeeding range	600.00	40 CDOUNDSTDAD TESTED/CUE	WED
		18. GROUNDSTRAP TESTER/CHEC	
2. AC VOLTAGE SOURCE/STANDAR		1st range Per succeeding range	450.00 330.00
1st range	1,370.00	rei succeeding range	330.00
Per succeeding range	450.00	19. HIGH VOLTAGE METER (up to	10 KV)
		1st range	1,540.00
3. AMMETER (AC, 20 A)	500.00	Per succeeding range	920.00
(1 to 2 ranges)	580.00		
(1 to 5 ranges)	930.00	20. INSULATION TESTER (Megohm	eter)
4. AMMETER (DC, 2 A and below)		1st range	840.00
(1 to 2 ranges)	560.00	Per succeeding range	290.00
(1 to 5 ranges)	900.00		
(1 to o ranges)	000.00	21. KELVIN BRIDGE	
5. AMMETER (DC, above 2 A)		1st range	1,500.00
(1 to 2 ranges)	770.00	Per succeeding range	1,250.00
(1 to 5 ranges)	1,330.00	22 MILLIVOLT DOTENTIOMETED	
		22. MILLIVOLT POTENTIOMETER 1st range	1,430.00
6. AC CLAMPMETER (up to 500 A)		Per succeeding range	710.00
1st range	650.00	r or succeeding range	7 10.00
Per succeeding range	260.00	23. MULTIMETER, ANALOG	2,000.00
7 OURDENT OURNE (AG 40A)	4 000 00		_,000.00
7. CURRENT SHUNT (AC, 10A)	1,000.00	24. MULTIMETER, DIGITAL	
8. CURRENT SHUNT (AC, 50 A)	1,300.00	3 ½ digits	2,500.00
O. CORRELAT SHOWT (AC, SUA)	1,500.00	4 ½ digits	4,500.00
9. CURRENT SHUNT (DC, 10A)	1,100.00	5 ½ digits	7,000.00
5. 5514.12.11 5.15111 (25, 157.)	1,100.00	6 ½ digits	9,040.00
10. CURRENT SHUNT (DC, 50 A)	1,320.00	o- ouwer-	
, , ,	,	25. OHMMETER	700.00
11. DC CURRENT SOURCE/STANDA	ARD	1st range	700.00
1st range	1,650.00	Per succeeding range	280.00
Per succeeding range	700.00	26. PUNCTURE TESTER	
		1st range	760.00
12. DC VOLTAGE SOURCE/STANDA	KD	Per succeeding range	330.00
BY DIRECT MEASUREMENT	1 100 00		200.00
1st range	1,100.00	27. RESISTANCE BOX	
Per succeeding range BY TRANSFER METHOD	500.00	1st five points	430.00
1st range	2,110.00	Per succeeding point	150.00
Per succeeding range	2,110.00 850.00		
i or succeeding range	030.00	28. RHEOSTAT	430.00

4. FURNACE (ambient to 500 °C) 1st temperature setting 1,500.00 Per additional temperature setting 300.00
5. FURNACE (ambient to 800 °C) 1st temperature setting 1,500.00 Per additional temperature setting 530.00
6. OVEN/FREEZER (-30 to +500 °C)
1st temperature setting 1,200.00 Per additional temperature setting 300.00
7. RTD CALIBRATOR/SIMULATOR 1st range Simulate mode 1,700.00 Measure mode 1,400.00
Per succeeding range 500.00 8. RTD PROBE/WIRE, INDUSTRIAL
-30 to +500 °C (1st 5 pts.) 1,500.00 Per additional point 580.00 9. RTD PROBE/WIRE, STANDARD
-30 to +500 °C (1st 10 pts.) 3,000.00 Per additional point 770.00
10. SLING PSYCHROMETER (Bulb-type) 0 to 50 °C 1,940.00
11. SURFACE TEMPERATURE PROBE 50 to 250 °C 1,100.00 12. TEMPERATURE CONTROLLER
(RTD, T/C) 1,400.00
13. TEMPERATURE INDICATOR (RTD, T/C) 1,400.00
14. TEMPERATURE RECORDER (RTD, T/C) SINGLE-POINT
1st range 1,400.00 Per succeeding range 350.00
MULTI-POINT 1st range 2,500.00 Per succeeding range 500.00
15. THERMOCOUPLE CALIBRATOR/ SIMULATOR 1st range Simulate mode 1,700.00 Measure mode 1,400.00 Per succeeding range 500.00 15. THERMOCOUPLE PROBE/WIRE -30 to +100°C (1st 5 pts.) 1,350.00 per additional point 385.00 0 to 100 °C (1st 5 pts.) 970.00 per additional point 385.00

0 to 200 °C (1st 5 pts.)	1,150.00	FORCE CALIBRATION	
per additional point	385.00		
0 to 300 °C (1st 5 pts.)	1,350.00	TEST NAME RAT	ΓE (PhP)
per additional point	385.00	4 51 50500000 0 41 41105	
0 to 500 °C (1st 5 pts.)	1,450.00	1. ELECTRONIC BALANCE	4 4 4 0 0 0
Per additional point	385.00	500 g capacity and below	1,140.00
0 to 800 °C (1st 5 pts)	1,560.00	Above 500 g capacity up to 100 kg.	1,330.00
Per additional point	385.00	O TRIDI E DEAM DALANCE	4 440 00
		2. TRIPLE BEAM BALANCE	1,140.00
16. THERMOHYGROGRAPH	730.00	3. WEIGHING SCALE	
47 THERMOOTAT	500.00	Up to 100kg capacity	1,140.00
17. THERMOSTAT	580.00	Op to rooky capacity	1,140.00
18. WATER BATH, -30 to +500°C		4. GRAM GAUGE	800.00
1st temperature setting	1,200.00		
Per additional temperature setting	300.00	5. PUSH-PULL GAUGE	
i ci additional temperature setting	300.00	Up to 100 kg	1,000.00
PRESSURE CALIBRATION	OΝ	TORQUE WRENCH/DRIVER per quot	
	_	Dual direction	1,500.00
TEST NAME RA	TE (PhP)	Single direction	1,000.00
		7 TODOUE METER/ANALYZED nor gur	station book
1. DIFFERENTIAL TRANSMITTER		7. TORQUE METER/ANALYZER per que Dual direction	2,500.00
(D/P Cell)		Single direction	1,500.00
Electronic	1,100.00	Single direction	1,500.00
Pneumatic	1,000.00		
2. I/P TRANSDUCER	1,100.00	DIMENSIONAL MEASURES	AENT
2. I/P TRANSDUCER	1,100.00	DIMENSIONAL MEASUREM	/IEN I
3. P/I TRANSDUCER	1,100.00	TEST NAME RAT	ΓE (PhP)
		1. ROUNDNESS MEASUREMENT	
4. PNEUMATIC CALIBRATOR		(Conventional Method)	800.00
1st range	1,600.00	(Conventional Method)	000.00
Per succeeding range	750.00	2. STRAIGHTNESS MEASUREMENT	
5. PNEUMATIC CONTROLLER	800.00	(Conventional Method)	750.00
5. PNEUMATIC CONTROLLER	800.00	(
6. PNEUMATIC INDICATOR	700.00	3. CONVENTIONAL MEASUREMENT U	SING
51 1 112 5 m2 11 6 m2 10 7 m 6 m	700.00	V. Caliper, Dial Gauge,	
7. PNEUMATIC RECORDER	800.00	O. Micrometer, etc.	400.00
	000.00		
8. PRESSURE GAUGE			
Pneumatic, Industrial grade	700.00	LENGTH CALIBRATION	
Hydraulic, Industrial grade	700.00	TEST NAME RAT	ΓE (PhP)
		TEOT NAME	ı – (ı)
9. TEST GAUGE	4 000 00	1. VERNIER CALIPER	
Pneumatic	1,800.00	0-150 mm range	750.00
Hydraulic	1,800.00	Above 150-200 mm range	850.00
40 PRESSURE OMITOU	700.00	Above 200-300 mm range	930.00
10. PRESSURE SWITCH	700.00	Above 300-600 mm range	1,025.00
11. DEADWEIGHT PRESSURE TESTEI	₹	J	•
Pneumatic type	•	2. OUTSIDE MICROMETER	
piston diameter	550.00	0-25 mm range	600.00
deadweight (per piece)	200.00	25-100 mm range	700.00
performance test	2,200.00	100-150 mm range	800.00
Hydraulic	,	Setting rod calibration per piece	500.00
piston diameter	550.00	. DEDTU MODON	000.00
deadweight (per piece)	200.00	3. DEPTH MICROMETER	600.00
performance test	2,200.00		

4. TUBULAR MICROMETE	ER CALIBRATION	19. STEEL RULE	
For micrometer head of	only 1,320.00		400.00
5. DIAL GAUGE AND DIA	TUICKNESS	0-300 mm range 0-600 mm range	490.00 630.00
GAUGE AND DIAL TES		0-1,000 mm range	840.00
USING CALIBRATION 1		o 1,000 min range	040.00
0-20.0 mm range	750.00		
C FEEL ED CAUCE (David	f) 450.00	Per scale	1,840.00
6. FEELER GAUGE (Per le	eaf) 150.00	21. UTM	
7. COMBINATION SET		For one range	2,850.00
Centering Head	640.00		1,190.00
Protractor Head	900.00		
Square Head	900.00		4 000 00
Steel Rule	500.00	200 x 300 mm and smaller	1,200.00
8. HEIGHT MASTER		23. PRECISION SQUARE MASTER	
0-300mm, per column	2,100.00		2,300.00
. \/=D\ =D\ D\ =\/D\		04 DEVEL DOCTORO	4 400 00
9. VERNIER/DIGIMATIC H	EIGHT GAUGE 840.00	24. BEVEL PROTRACTOR	1,100.00
0-600 mm range	040.00	25. PRECISION LEVEL (per scale)	930.00
10. GAUGE BLOCK		2011 K201010 K 22 V 22 (poi 30010)	000.00
Grade 0 (per piece)	570.00	26. MU CHECKER	
Grade 1 (per piece)	460.00		1,400.00
Grade 2 (per piece)	360.00		750.00
Deburring (per piece)	120.00	27. CALIBRATION TESTER	1,800.00
11. FIXED GAUGES (PLU	G/GO-NO GO)	21. CALIBRATION TESTER	1,000.00
Per side	800.00	28. CALIPER CHECKER	
		600 mm and below	2,300.00
12. PIN GAUGES (Per Pie	ce) 150.00		
13. TOOLMAKERS MICRO	DSCOPE 2,270.00	29. PRECISION CHECK MASTER 600 mm and below	2,600.00
13. TOOLWAKEKS WICK	2,270.00	000 mm and below	2,000.00
14. OPTICAL PROJECTO	R 2,270.00	30. PRECISION STRAIGHT EDGE	
		1,000 mm and below	1,180.00
15. GLASS SCALE	1-1-	24 DODE 24110E	
0-100 mm, max. 10 pc 0-200 mm, max. 10 pc			1,740.00
0-300 mm, max. 10 pc			1,740.00
o ooo miii, maxii to pe	720.00	32. MICROINDICATORS	1,400.00
16. SURFACE PLATE (DIA			
· · · · · · · · · · · · · · · · · · ·	d including	33. VERNIER DEPTH GAUGE	1,300.00
(mm) (mm - 354		34. BALL BAR TESTING	2,500.00
354 566			2,300.00
566 891	,		
891 1,414	3,345.00	(>20 mm res.)	1,400.00
1,414 2,236			
2,236 2,968	3,690.00	36. DIGITAL THICKNESS GAUGE (Non-removable)	1,400.00
17. DIAL CALIPER GAUG	ES 1,400.00		1,400.00
17. DIAL GALII EK GAGG	1,400.00	37. DIAL GAUGES (>20 mm)	1,400.00
18. MACHINE TOOLS (usi		· · ·	
Linear Positioning erro			0.000.00
Straightness error/axis			3,000.00
Squareness per axis	5,680.00	Precision Square Master (Each measurement)	3,200.00
		(Lacii ilicasalelliciii)	5,200.00

39. SNAP GAUGE/SNAP METER, 0-25 mm

0-25 mm 1.400.00 25-100 mm 1.800.00

40. CARPENTER SQUARE

Squareness 1.200.00 Linear Scale per leg 630.00 41. DE-BURRING OF OTHER SMALL TOOLS

42. CALIPER TYPE INSIDE

600.00

MICROMETER

1,300.00

FIELD JOBS

NONDESTRUCTIVE TESTING LABORATORY

FIELD INSPECTION	TWO OR LESS PERSONNEL	MORE THAN TWO PERSONNEL
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 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

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

CHECKLIST OF REQUIREMENTS

List of Requirements for In-house testing and calibration:

- Submit sample for testing/calibration;
- For testing services: Full payment upon job acceptance;
- For calibration services: Full payment upon claiming of instruments and calibration certificates;
- Accepted forms of payment:
 - Cash (Customers are encouraged to pay in cash)
 - Manager's or Cashier's Check payable to MIRDC
 - In cases of dated Personal Check payable to MIRDC, the account name must be printed on the face of the check and the requested service/s shall only be rendered upon verification or confirmation from the drawee bank.
- Customer arranges for delivery and pick-up of test samples or instrument;
- Additional cost of sample preparation are borne by the customer;
- Additional terms and condition in the Request for Work Form (RWF) also apply.

CHECKLIST OF REQUIREMENTS

List of Requirements for In-Plant testing and calibration:

- For in-plant testing: Full payment upon job acceptance;
- For in-plant calibration: Pay at least 50% downpayment upon job acceptance and pay balance upon claiming of calibration certificates:
- Present copy of MIRDC formal quotation for the in-plant job;
- Accepted forms of payment:
 - Cash (Customers are encouraged to pay in cash)
 - Manager's or Cashier's Check payable to MIRDC
 - In cases of dated Personal Check payable to MIRDC, the account name must be printed on the face of the check and the requested service/s shall only be rendered upon verification or confirmation from the drawee bank.
- Customer provides the vehicle for transport of standard and personnel;
- Additional terms and condition in the Request for Work Form (RWF) also apply;
- For in-plant calibration, repair service is not included.

