



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CENTRAL OFFICE
Manila

097.13 D PWH
01-14-2020

JAN 07 2020

DEPARTMENT ORDER)

SUBJECT : Revised Schedule of Fees and
Charges for Laboratory
Testing of Construction
Materials

NO. 11)
Series of 2020)

01.14.2020

By virtue of Administrative Order No. 31, Series of 2012 pursuant to DOF-DBM-NEDA Joint Circular No. 1-2013 prescribing the Implementing Rules and Regulations (IRR) on the rationalization of rates and fees and charges, increase in existing rates, and imposition of new fees and charges of all government agencies and/or entities, the attached Revised Schedule of Fees and Charges for Laboratory Testing of Construction Materials is hereby prescribed, and shall take effect fifteen (15) days after the last publication in a newspaper of general circulation.

MARK A. VILLAR
Secretary


EMIL K. SADAIN, CESO I
Undersecretary for UPMO Operations
and Technical Services
Officer-In-Charge

Department of Public Works and Highways
Office of the Secretary



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**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2015	NEW RATE
I. SOIL		
1. Grading	240.00	290.00
2. Liquid Limit	140.00	170.00
3. Plastic Limit	140.00	170.00
4. Shrinkage Limit	180.00	220.00
5. Moisture Content	75.00	90.00
6. Compaction (Proctor)	680.00	820.00
7. Compaction (Modified)	770.00	930.00
8. Field Density	400.00	480.00
9. California Bearing Ratio (CBR)	1,390.00	1,670.00
10. Penetration (CBR), per molded specimen	110.00	140.00
11. Swell (CBR), per molded specimen	110.00	140.00
12. Specific Gravity	190.00	230.00
13. Unit Weight		
Disturbed Samples	140.00	170.00
Undisturbed Samples	140.00	170.00
14. Combined Sieve and Hydrometer	600.00	720.00
15. Consolidation	1,580.00	1,900.00
16. Consolidation of wet and dry specimen Under a 10 psi unit load (correction factor for "k" value)	1,870.00	2,250.00
17. Direct Shear	2,490.00	2,990.00
18. Direct Shear one loading	1,540.00	1,850.00
19. Triaxial Compression	3,744.00	4,500.00
20. Triaxial Compression one loading	3,000.00	3,600.00
21. Unconfined Compression per Test	430.00	520.00
22. Compression including molding (Soil-Stabilization) per molded specimen	240.00	290.00
23. Absorption (Soil-Stabilization)	240.00	290.00
24. Wash Loss	140.00	170.00
II. AGGREGATES AND SOIL AGGREGATES (For sub-base, base and surface course)		
1. Grading	240.00	290.00
2. Material Finer than No. 200 Sieve	200.00	240.00
3. Combined Sieve and Hydrometer	600.00	720.00
4. Crushing	240.00	290.00
5. Unit Weight, Loose and Rodded	175.00	210.00
6. Liquid Limit	140.00	170.00
7. Plastic Limit	140.00	170.00

**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2015	NEW RATE
8. Specific Gravity and Absorption	240.00	290.00
9. Absorption	140.00	170.00
10. Specific Gravity	165.00	200.00
11. Moisture Content	110.00	140.00
12. Abrasion	500.00	600.00
13. California Bearing Ratio (CBR)	1,390.00	1,670.00
14. Stripping	410.00	500.00
15. Triaxial Mix with Asphalt, complete with Laboratory Compacted Density, Absorption Swell and Stability Characteristics		
a) First Trial	1,880.00	2,260.00
b) Each Extra Trial	1,190.00	1,430.00
16. Swell characteristics with bituminous materials	410.00	500.00
17. % Fractured Face	140.00	170.00
18. Soundness	415.00	500.00
19. Organic Impurities	290.00	350.00
20. Trial Mix (Concrete Design) given cement factor	1,330.00	1,600.00
21. Trial Mix (Concrete Design) given strength:		
a) First Trial	1,270.00	1,530.00
b) Each Extra Trial	980.00	1,180.00
22. Air Content of Fresh Mixed Concrete	200.00	240.00
23. Mortar Strength, 7 days	240.00	290.00
24. Trial Mix with asphalt for Marshall	680.00	820.00
25. Particles with specific gravity less than 2.00	200.00	240.00
26. Clay Clumps in Aggregates	120.00	150.00
III. HYDRAULIC CEMENT		
1. Fineness by #200 Sieve	110.00	140.00
2. Specific Gravity	165.00	200.00
3. Normal Consistency	110.00	140.00
4. Time of Setting by Gillmore Needles	95.00	120.00
5. Soundness by Pat Test	95.00	120.00
6. Soundness by Autoclave Expansion	335.00	410.00
7. Compressive Strength: 1 day	165.00	200.00
Compressive Strength: 3 days	165.00	200.00
Compressive Strength: 7 days	165.00	200.00
Compressive Strength: 28 days	165.00	200.00
8. Air Content	165.00	200.00
9. Loss on Ignition	180.00	220.00
10. Insoluble Residue	190.00	230.00
11. Sulfur Trioxide (Cement)	190.00	230.00
12. Magnesium Oxide	190.00	230.00

**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2015	NEW RATE
13. Silicon Dioxide	190.00	230.00
14. Aluminum Oxide	240.00	290.00
15. Ferric Oxide	240.00	290.00
16. Calcium Oxide	240.00	290.00
IV. BITUMINOUS MATERIALS		
1. Penetration	165.00	200.00
2. Ductility	335.00	410.00
3. Softening Point	240.00	290.00
4. Float Test	240.00	290.00
5. Viscosity	240.00	290.00
6. Distillation		
a) Emulsified Asphalt	455.00	550.00
b) Cut-back, Tar and Petroleum Products	550.00	660.00
7. Storage Stability	180.00	220.00
8. Specific Gravity	110.00	140.00
9. Loss on Heating	180.00	220.00
10. % Bitumen		
a) Solubility in Carbon Disulfide	240.00	290.00
b) Solubility in Carbon Tetrachloride	240.00	290.00
11. Spot Test	250.00	300.00
12. Flash and Fire Point	180.00	220.00
13. Cement Mixing	180.00	220.00
14. Sieve Test	180.00	220.00
15. Modified Miscibility	335.00	410.00
16. Water Content	320.00	390.00
17. Stone Coating	110.00	140.00
18. Settlement Test	240.00	290.00
19. Residue of Specified Penetration	335.00	410.00
20. Particle Charge Test	260.00	320.00
V. BITUMINOUS MIXTURES		
(Including Rock Asphalt)		
1. Extraction (Bitumen Content)	320.00	390.00
2. Swell and Stability Characteristics with Laboratory Compacted Density and Absorption	1,164.00	1,400.00
3. Density and % Voids of Compacted Mixtures	170.00	210.00
4. Marshall Stability/Immersion-Compression	325.00	390.00
5. Field Density	322.00	390.00
6. Grading	240.00	290.00

**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2015	NEW RATE
VI. MISCELLANEOUS MATERIALS (CHEMICAL)		
1. Lime, Limestone, Clay Shakes and Slags		
a) Chemical Analysis, per constituent	240.00	290.00
b) Loss on Ignition	200.00	240.00
c) Moisture Content	180.00	220.00
d) Residue	110.00	140.00
e) Grading	240.00	290.00
2. Premolded Expansion Joint Filler		
a) Absorption	350.00	420.00
b) Compression and Recovery	340.00	410.00
c) Thickness	140.00	170.00
d) Density	170.00	210.00
3. Paint and Paint Materials:		
a) Paint composition on ready mixed paint	1,140.00	1,370.00
b) Pigment composition each constituent	340.00	410.00
c) Viscosity (Stormer Viscometer)	240.00	290.00
d) Analysis of varnish	1,680.00	2,020.00
e) Analysis of Aluminum Pigment	1,140.00	1,370.00
f) Analysis of Linseed Oil	1,760.00	2,120.00
g) Analysis of Reflectorized		
Traffic Paints Type I (White)	3,350.00	4,020.00
(Yellow)	3,700.00	4,440.00
Traffic Paints Type II (White)	2,690.00	3,230.00
(Yellow)	3,010.00	3,620.00
h) Analysis of Reflectorized Thermoplastic		
Traffic Paints (White and Yellow)		
h.1) Specific Gravity	280.00	340.00
h.2) Softening Point	345.00	420.00
h.3) Drying Time	105.00	130.00
h.4) Appearance of Paint Film	105.00	130.00
h.5) Tackiness	105.00	130.00
h.6) Thickness	110.00	140.00
h.7) Vehicle Binder (%m)	1,610.00	1,940.00
h.8) Glass Beads Content (%m)	555.00	670.00
h.9) Glass Beads Grading	120.00	150.00
i) Red Lead and Red Oxide Primer	1,800.00	2,160.00
j) Latex, Flatwall and Quick Dry Enamel	1,480.00	1,780.00
4. Water		
a) Suitability for Concreting	1,400.00	1,680.00
b) Special Determination per Constituents	275.00	330.00
c) Ph Test	275.00	330.00
d) Total Solid	275.00	330.00

**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2015	NEW RATE
e) Sulfate	275.00	330.00
f) Chloride	275.00	330.00
5. Galvanized Iron and Steel Sheets		
a) Zinc Coating		
1. For the first sample	240.00	290.00
2. For each additional sample	140.00	170.00
b) Gauge Determination	110.00	140.00
c) Bend and Flaking Test	110.00	140.00
6. Reflective Sheetings		
a) Thickness	140.00	170.00
b) Adhesion	250.00	300.00
c) Shrinkage	250.00	300.00
d) Flexibility	250.00	300.00
e) Heat Resistance	510.00	620.00
f) Solvent Resistance	510.00	620.00
g) Reflectivity	140.00	170.00
7. Curing Compound	1,730.00	2,080.00
8. Elastomeric, Hot-Applied Joint Sealant/Concrete Joint Sealer (Hot Poured)		
a) Pour Point Temperature	240.00	290.00
b) Safe Heating Temperature	240.00	290.00
c) Flow	340.00	410.00
d) Penetration (Cone)	170.00	210.00
e) Softening Point	400.00	480.00
9. Mineral Filler		
a) Plasticity	255.00	310.00
b) Grading	240.00	290.00
c) Loss on Ignition	180.00	220.00
VII. CONCRETE AND CEMENT PRODUCTS		
1. Molded Concrete Samples		
a) Compressive strength of concrete cubes 6" x 6"	120.00	150.00
b) Compressive strength of concrete cylinders		
1.) 6"x12"	120.00	150.00
2.) 8"x16"	140.00	170.00
c) Flexural strength of concrete beams 6"x 6" in cross-section	140.00	170.00
2. Cutting of concrete samples to standard sized for strength determination	380.00	460.00
3. Pipes and Rain Test		
a) Water absorption	180.00	220.00

**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2015	NEW RATE
b) Water absorption with coefficient of saturation	240.00	290.00
c) Dimension measurement	110.00	140.00
d) Reinforcement measurement	110.00	140.00
e) Strength		
1. Non-reinforced		
a) 10" nominal size and under	420.00	510.00
b) Over 10" to 18 nominal size	550.00	660.00
2. Reinforced		
a) 24" nominal size and under	620.00	750.00
b) Over 24" to 30" nominal size	790.00	950.00
c) Over 30" to 42" nominal size	1,040.00	1,250.00
d) Over 42" to 60" nominal size	1,705.00	2,050.00
4. Masonry building units and paving blocks:		
a) Complete test for 10-units sample of concrete and clay hollow blocks	1,540.00	1,850.00
b) Compressive strength	140.00	170.00
c) Moisture content	180.00	220.00
d) Water absorption and moisture content	180.00	220.00
e) Water absorption and coefficient saturation	240.00	290.00
f) Dimension measurement	110.00	140.00
g) Flexural strength	180.00	220.00
5. Flooring Materials		
a) Flexural Strength		
1. Cement tiles 2 cm x 20 cm x 20 cm nominal size and under per 5-unit sample	290.00	350.00
2. Slabs 4 cm x 50 cm x 50 cm maximum nominal size per unit	180.00	220.00
6. Asbestos Cement Sheets		
a) Flexural Strength		
1. Flat sheets, per 3 standard test specimen or less	270.00	330.00
2. For each additional standard test specimen	110.00	140.00
3. Corrugated sheets per 3 standard test specimens or less	340.00	410.00
4. For each additional standard test specimen	110.00	140.00
b) Water Absorption		
1. For 3 standard test specimen	340.00	410.00
2. For each additional standard test specimen	110.00	140.00
7. Asbestos Cement Pipes		
a) Crushing strength		
1. 10" nominal size and under	240.00	290.00

**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2015	NEW RATE
2. Over 10" to 18" nominal size	340.00	410.00
3. Over 18" to 30" nominal size	470.00	570.00
b) Flexural strength for pipes 8" nominal size and under	240.00	290.00
VIII. FERROUS AND NON-FERROUS METAL AND ALLIED PRODUCTS		
1. Steel Bars for complete reinforcement		
a) Complete Test		
1. For Plain Bars	940.00	1,130.00
2. For Deformed Bars	1,070.00	1,290.00
b) Tensile Properties	200.00	240.00
c) Bending Properties	120.00	150.00
d) Deformation Measurement	120.00	150.00
e) Variation in Weight	110.00	140.00
2. Cast iron pipes and centrifugally cast pipes		
a) Hydraulic test cast iron soil pipes	470.00	570.00
b) Hydraulic test with test pressure over 50 psi up to 1000 psi for pipes 10" nominal size and under	680.00	820.00
c) Flexural strength standard test bars, A, B, C	340.00	410.00
d) Tensile properties prepared standard test specimen	340.00	410.00
e) Dimension Measurement	110.00	140.00
f) Chemical Analysis		
1. Sulfur Content	470.00	570.00
2. Phosphorous content	340.00	410.00
3. Steel Pipes		
a) Hydrostatic test with test pressure over 50 psi up to 1000 psi for pipes 10" nominal size and under	680.00	820.00
b) Dimension Measurement	80.00	100.00
c) Weight Determination	110.00	140.00
d) Weight of Coating	680.00	820.00
e) Thickness or uniformity of coating by Preece Test Method	470.00	570.00
4. High Tensile Wire/Wire Mesh/Wire Ropes/Gabion/Mattress/Tie Wire/Steel Plates		
a) Tensile properties for wire from gage 10 up	240.00	290.00
b) Ductility of wire	240.00	290.00
c) Adherence of coating	240.00	290.00
d) Uniformity of coating by Preece Test Method	240.00	290.00

**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2015	NEW RATE
e) Weight of Coating	340.00	410.00
f) Breaking strength of wire ropes		
1. ½" nominal size and under	470.00	570.00
2. Over ½" to 1" nominal size	680.00	820.00
g) Dimension Measurement	110.00	140.00
5. Standard Test Specimens and Miscellaneous Metal Products		
a) Tensile properties of prepared test specimen	500.00	600.00
b) Hardness Test, Brinnel or Rockwell:		
1. For the first specimen	240.00	290.00
2. For each additional specimen	110.00	140.00
c) Impact Test, Charpy, Izod or Tensile prepared test specimen		
1. For the first test specimen	240.00	290.00
2. For each additional test specimen	110.00	140.00
d) Wheelborrow check test	685.00	830.00
e) Cast iron manhole frame and cover check test	685.00	830.00
f) Load test, hydraulic jacks, not over 50 tonnes capacity	3,350.00	4,020.00
g) Chemical analysis per element sulfur	340.00	410.00
h) Reflective Pavement Studs (Flexural Strength)	500.00	600.00
IX. MISCELLANEOUS MATERIALS (MECHANICAL)		
1. Fiber Rope		
a) Tensile Strength		
1. For ropes 1" in nominal size and under	340.00	410.00
2. Over 1" up to 2" in nominal size	470.00	570.00
3. Over 2" up to 3" in nominal size	680.00	820.00
2. PVC Materials		
a) Tensile Strength	-	1,200.00
b) Flexural Strength	-	1,200.00
c) Notched Izod Impact	-	780.00
d) Heat Deflection Temperature	-	1,200.00
3. Geotextile		
a) Grab Tensile Length	-	930.00
b) Elongation	-	150.00
c) Puncture Strength	-	2,616.00
d) Apparent Opening Size	-	2,976.00
e) Permittivity	-	660.00

**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

KIND OF TEST/SERVICE	OLD RATE 2015	NEW RATE
4. Carbon Fiber Sheet		
a) Tensile Strength (Single Strand)	-	1,320.00
5. Coconet		
a) Dimension Measurement	-	140.00
b) Tensile Strength	-	1,290.00
c) Elongation	-	150.00
d) Water Absorption	-	220.00
6. Seven (7) Wire Strand		
a) Tensile properties	-	290.00
b) Ductility of wire	-	290.00
c) Breaking strength	-	570.00
d) Dimension Measurement	-	140.00
X. MISCELLANEOUS SERVICES		
1. Plate Bearing Test and/or Subgrade Modulus Determination (k value Uncorrected), fixed charge up to 100 tons	5,350.00	6,420.00
2. Load Test on Piles, fixed charge up to 100 tons	9,350.00	11,220.00
3. Resistivity Test		
a) Rental of equipment, per day or fraction, thereof	1,140.00	1,370.00
4. Concrete Core Drilling		
a) Rental of equipment, per day or fraction thereof	610.00	740.00
b) Per core drilled	1,140.00	1,370.00
XI. SUBSURFACE EXPLORATION		
1. Mobilization	7,540.00	9050.00
2. Demobilization	9,540.00	11,450.00
3. Drilling Through		
a) Ordinary Soil, per Linear Meter	1,270.00	1,530.00
b) Gravel/Rocks, using Diamond/Tungsten bit, per Linear Meter	2,510.00	3,020.00
c) Standard Penetration Test (SPT), per SPT	60.00	80.00
4. Hole to Hole Transfer, per move	2,510.00	3,020.00
5. Core Box, per box	1,200.00	1,440.00
6. Miscellaneous Expenses (During Operation)		
a) Diesel oil for Drilling Machine/Water Pump (per day)	550.00	660.00
b) Diesel/Gasoline for Service Vehicle (per day)	275.00	330.00

**SCHEDULE OF FEES AND CHARGES
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KIND OF TEST/SERVICE	OLD RATE 2015	NEW RATE
c) Water Supply Source, per day	240.00	290.00
d) Plastic bags, Pentel pen, etc.	1,200.00	1,440.00
XII. NON-DESTRUCTIVE TEST EQUIPMENT (HOURLY RENTAL RATE)		
1. Metal and Rebar Detectors	81.00	98.00
2. Concrete Rebound Hammer	42.00	50.00
3. Dynamic Cone Penetrometer	44.00	53.00
4. Reinforced Concrete Detective Radar for Substructure with Printer	395.00	474.00
5. High Performance Infrared Thermal Imager	308.00	370.00
6. Ultrasonic Tester for Concrete Cracks	52.00	63.00
7. Half Cell (Chloride Ion Penetration Tester)	61.00	73.00
8. Micro core Apparatus	165.00	198.00
9. Portable Compression Testing Machine	78.00	94.00
10. Handled Retroreflectometer	161.00	193.00
11. Small Falling Weight Deflectometer System	264.00	317.00
12. Skid Resistance and Friction Tester (Skid Tester)	159.00	191.00
13. Non – Nuclear Density and Moisture Meter	190.00	228.00
14. Portable Multi-Use Water Quality Standard Sensor module with 100m	123.00	148.00
15. Laser Type Digital meter	19.00	23.00
16. Portable Digital Clinometer	16.00	19.00
XIII. CALIBRATION EQUIPMENT (HOURLY RENTAL RATE)		
1. Universal Calibrating Machine	-	3,210.00
2. Load Cells for Loading Machine (UTM, Compression Machine, CBR/Marshall Machine)		
a) Capacity 25 kN	-	34.00
b) Capacity 50 kN	-	50.00
c) Capacity 300 kN	-	82.00
d) Capacity 600 kN	-	84.00
e) Capacity 1000 kN	-	86.00
f) Capacity 2000 kN	-	87.00
3. Calibrated Glass Beads for Finer Sieves	-	3.00
4. Calibrated Glass Beads for Coarser Sieves	-	3.00
5. Eyepiece with scale, readable to 0.001 mm	-	23.00
6. Half-tone screen Determiner	-	2.00
7. Caliper for Sieves Calibration (Small to Large Sieve Sizes)	-	12.00
a) Caliper, readable to 0.001 mm (for sieves finer	-	10.00

**SCHEDULE OF FEES AND CHARGES
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KIND OF TEST/SERVICE	OLD RATE 2015	NEW RATE
than 2.36 mm No.9 coarser)		
b) Caliper with 8" or larger maximum opening size	-	12.00
c) Caliper, capable of measuring height and inside diameter molds	-	14.00
d) Caliper, readable to 0.1 mm	-	10.00
e) Caliper, readable to 0.02 mm	-	9.00
8. Calibration Blocks	-	14.00
9. Calibration Weights (set consists of 10g-10kg) stainless	-	67.00
10. Thermometer up to 1000 °C	-	3.00