



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
MANILA

097.13 DPWH
12-17-2002

DEC 16 2002

DEPARTMENT ORDER)
NO. **336**)
SERIES OF 2002 ¹²⁻¹⁷⁻²⁰⁰²)
XXXXXXXXXXXXXXXXXXXX)

SUBJECT : REVISED SCHEDULE OF
FEES AND CHARGES FOR
LABORATORY TESTING
OF CONSTRUCTION
MATERIALS

By virtue of Executive Order 197 dated 13 January 2000, directing all Departments, Bureaus, Commissions, Offices and Instrumentalities of the National Government, including Government-owned or controlled Corporations, to increase their fees and charges by not less than 20 percent, subject to certain exception, the attached Revised Schedule of Fees and Charges for Testing of Construction Materials and Other Services is hereby prescribed, and shall take effect fifteen (15) days after the last publication in newspaper of general circulation.


SIMEON A. DATUMANONG
Secretary

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

KIND OF TEST/SERVICE	OLD RATE	NEW RATE
I. SOIL		
1 Grading	130.00	160.00
2 Liquid Limit	80.00	100.00
3 Plastic Limit	80.00	100.00
4 Shrinkage Limit	100.00	120.00
5 Moisture Content	40.00	50.00
6 Compaction (Proctor)	390.00	470.00
7 Compaction (Modified)	440.00	530.00
8 Field Density	260.00	310.00
9 California Bearing Ratio (CBR)	970.00	1,160.00
10 Penetration (CBR), per molded specimen	60.00	70.00
11 Swell (CBR), per molded specimen	60.00	70.00
12 Specific Gravity	110.00	130.00
13 Unit Weight		
Disturbed Samples	100.00	100.00
Undisturbed Samples	100.00	100.00
14 Combined Sieve and Hydrometer	420.00	500.00
15 Consolidation	920.00	1,100.00
16 Consolidation of wet and dry specimen under a 10 psi unit load (correction factor for "k" value)	1,080.00	1,300.00
17 Direct Shear	1,730.00	2,080.00
18 Direct Shear one loading	880.00	1060.00
19 Triaxial Compression	2,600.00	3,120.00
20 Triaxial Compression one Loading	1,730.00	2,080.00
21 Unconfined Compression per Test	300.00	360.00
22 Compression including molding (Soil-Stabilization) per molded specimen	130.00	160.00
23 Absorption (Soil-Stabilization)	130.00	160.00
24 Wash Loss	80.00	100.00
II. AGGREGATES AND SOIL-AGGREGATES (For sub-base, base and surface course)		
1 Grading	130.00	160.00
2 Material Finer than No. 200 Sieve	120.00	140.00
3 Combined Sieve and Hydrometer	420.00	500.00
4 Crushing	130.00	160.00
5 Unit Weight, Loose and Rodded	100.00	120.00
6 Liquid Limit	80.00	100.00

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

KIND OF TEST/SERVICE	OLD RATE	NEW RATE
7 Plastic Limit	80.00	100.00
8 Specific Gravity and Absorption	200.00	200.00
9 Absorption	100.00	100.00
10 Specific Gravity	110.00	110.00
11 Moisture Content	60.00	70.00
12 Abrasion	350.00	350.00
13 California Bearing Ratio (CBR)	970.00	1,160.00
14 Stripping	230.00	280.00
15 Triaxial Mix with Asphalt, complete with Laboratory Compacted Density, Absorption Swell and Stability Characteristics		
a) First Trial	1,080.00	1,300.00
b) Each Extra Trial	680.00	820.00
16 Swell characteristics with bituminous materials	230.00	280.00
17 % Fractured Face	80.00	100.00
18 Soundness	330.00	330.00
19 Organic Impurities	200.00	200.00
20 Trial Mix (Concrete Design) given cement factor	770.00	920.00
21 Trial Mix (Concrete Design) given strength:		
a) First Trial	880.00	880.00
b) Each extra Trial	680.00	680.00
22 Air Content of Fresh Mixed Concrete	120.00	140.00
23 Mortar Strength, 7 days	130.00	160.00
24 Trial Mix with asphalt for Marshall	390.00	470.00
25 Particles with specific gravity less than 2.00	120.00	140.00
26 Clay Lumps in Aggregates	70.00	80.00
III. HYDRAULIC CEMENT		
1 Fineness by #200 Sieve	60.00	70.00
2 Specific Gravity	90.00	110.00
3 Normal Consistency	60.00	70.00
4 Time of Setting by Gilmore Needles	50.00	60.00
5 Soundness by Pat Test	50.00	60.00
6 Soundness by Autoclave Expansion	190.00	230.00
7 Compressive Strength: 1 day	90.00	110.00
Compressive Strength: 3 days	90.00	110.00
Compressive Strength: 7 days	90.00	110.00
Compressive Strength: 28 days	90.00	110.00

**SCHEDULE OF FEES AND CHARGES
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KIND OF TEST/SERVICE	OLD RATE	NEW RATE
8 Air Content	90.00	110.00
9 Loss on Ignition	100.00	120.00
10 Insoluble Residue	130.00	160.00
11 Sulfur Trioxide (Cement)	130.00	160.00
12 Magnesium Oxide	130.00	160.00
13 Silicon Dioxide	130.00	160.00
14 Aluminum Oxide	130.00	160.00
15 Ferric Oxide	130.00	160.00
16 Calcium Oxide	130.00	160.00
IV BITUMINOUS MATERIALS		
1 Penetration	90.00	110.00
2 Ductility	190.00	230.00
3 Softening Point	130.00	160.00
4 Float Test	130.00	160.00
5 Viscosity	130.00	160.00
6 Distillation		
a) Emulsified Asphalt	260.00	310.00
b) Cut-back, Tar and petroleum products	320.00	380.00
7 Storage Stability	100.00	120.00
8 Specific Gravity	60.00	70.00
9 Loss on Heating	100.00	120.00
10 % Bitumen		
a) Solubility in Carbon Disulfide	130.00	160.00
b) Solubility in Carbon Tetrachloride	130.00	160.00
11 Spot Test	140.00	170.00
12 Flash and Fire Point	100.00	120.00
13 Cement Mixing	100.00	120.00
14 Sieve Test	100.00	120.00
15 Modified Miscibility	190.00	230.00
16 Water Content	180.00	220.00
17 Stone Coating	60.00	70.00
18 Settlement Test	130.00	160.00
19 Residue of Specified Penetration	190.00	230.00
20 Particle Charger Tester	150.00	180.00

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

KIND OF TEST/SERVICE	OLD RATE	NEW RATE
V. BITUMINOUS MIXTURES (Including Rock Asphalt)		
1 Extraction	180.00	220.00
2 Swell and Stability Characteristics with Laboratory Compacted Density and Absorption	660.00	800.00
3 Density of % Voids of Compacted Mixtures	90.00	110.00
4 Marshall Stability	180.00	220.00
5 Field Density	180.00	220.00
VI. MISCELLANEOUS MATERIALS (CHEMICAL)		
1 Lime, Limestone, Clay Shakes and Slags		
a) Chemical Analysis, per constituent	130.00	160.00
b) Loss on Ignition	120.00	140.00
c) Moisture Content	100.00	120.00
d) Residue	60.00	70.00
2 Premolded Expansion Joint Filler		
a) Absorption	100.00	120.00
b) Compression and Recovery	190.00	230.00
3 Paint and Paint Materials:		
a) Paint composition on ready mixed paint	660.00	790.00
b) Pigment composition each constituent	190.00	230.00
c) Viscosity (Stormer Viscometer)		
d) Analysis of varnish	970.00	1,160.00
e) Analysis of Aluminum Pigment	660.00	790.00
f) Analysis of Linseed Oil	1,020.00	1,220.00
g) Analysis of Reflectorized (Beaded)		
Traffic Paints Type I (White)	1,930.00	2,320.00
(Yellow)	2,130.00	2,560.00
Traffic Paints Type II (White)	1,550.00	1,860.00
(Yellow)	1,740.00	2,090.00
h) Analysis of Reflectorized Thermoplastic		
Traffic Paints (White and Yellow)		
h.1) Specific Gravity	160.00	190.00
h.2) Softening Point	225.00	270.00
h.3) Drying Time	60.00	70.00
h.4) Appearance of Paint Film	60.00	70.00
h.5) Tackiness	60.00	70.00
h.6) Thickness	50.00	60.00

**SCHEDULE OF FEES AND CHARGES
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KIND OF TEST/SERVICE	OLD RATE	NEW RATE
g.7) Vehicle Binder (%m)	920.00	1,110.00
g.8) Glass Beads Content (%m)	340.00	410.00
g.9) Glass Beads Grading	70.00	80.00
h) Red Lead and Red Oxide Primer	1,040.00	1,250.00
l) Latex, Flatwall and Quick Dry Enamel	850.00	1020.00
4 Water		
a) Suitability for Concreting	970.00	970.00
b) Special Determination per Constituents	190.00	190.00
c) pH Test	190.00	190.00
d) Total Solid	190.00	190.00
e) Sulfate	190.00	190.00
f) Chloride	190.00	190.00
5 Galvanized Iron and Steel Sheets		
a) Zinc Coating		
1. For the first sample	130.00	160.00
2. For each additional sample	80.00	100.00
b) Gauge Determination	60.00	70.00
c) Bend and Flaking Test	60.00	70.00
6 Reflective Sheetings		
a) Thickness	80.00	100.00
b) Adhesion	150.00	180.00
c) Heat Resistance	310.00	370.00
d) Solvent Resistance	310.00	370.00
e) Reflectivity	80.00	100.00
7 Curing Compound	1,000.00	1,200.00
VII. CONCRETE AND CEMENT PRODUCTS		
1 Molded concrete samples		
a) Compressive strength of concrete cubes 6" x 6"	70.00	80.00
b) Compressive strength of concrete cylinders		
1.6" x 12"	70.00	80.00
2.8" x 16"	80.00	100.00
c) Flexural strength of concrete beams 6" x 6" in cross-section	100.00	120.00
2 Cutting of concrete samples to standard sized for strength determination	270.00	320.00

**SCHEDULE OF FEES AND CHARGES
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KIND OF TEST/SERVICE	OLD RATE	NEW RATE
3 Pipes and Rain Test		
a) Water absorption	100.00	120.00
b) Water absorption with coefficient of saturation	130.00	160.00
c) Dimension measurement	60.00	70.00
d) reinforcement measurement	60.00	70.00
e) Strength		
1. Non-reinforced		
a) 10" nominal size and under	240.00	290.00
b) Over 10" to 18" nominal size	320.00	380.00
2. Reinforced		
a) 24" nominal size and under	360.00	430.00
b) Over 24" to 30" nominal size	460.00	550.00
c) Over 30" to 42" nominal size	600.00	720.00
d) Over 42" to 60" nominal size	1,000.00	1,200.00
4 Masonry building units and paving blocks:		
a) Complete tests for 10-units sample of concrete and clay hollow blocks	880.00	1060.00
b) Compressive strength	100.00	120.00
c) Moisture content	100.00	120.00
d) Water absorption and moisture content	100.00	120.00
e) Water absorption and coefficient saturation	130.00	160.00
f) Dimension measurement	60.00	70.00
g) flexural strength	100.00	120.00
5 Flooring materials		
a) Flexural Strength		
1. Cement tiles 2 cm x 20 cm x 20 cm nominal size and under par 5-unit sample	170.00	200.00
2. Slabs 4 cm x 50 cm x 50 cm maximum nominal size per unit	100.00	120.00
6 Asbestos Cement Sheets		
a) Flexural Strength		
1. Flat sheets, per 3 standard test specimen or less	150.00	180.00
2. For each additional standard test specimen	60.00	70.00
3. Corrugated sheets per 3 standard test specimens or less	190.00	230.00
4. For each additional standard test specimen	60.00	70.00

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

KIND OF TEST/SERVICE	OLD RATE	NEW RATE
b) Water Absorption		
1. For 3 standard test specimen	190.00	230.00
2. For each additional standard test specimen	60.00	70.00
7 Asbestos Cement Pipes		
a) Crushing strength		
1. 10" nominal size and under	130.00	160.00
2. Over 10" to 18" nominal size	190.00	230.00
3. Over 18" to 30" nominal size	270.00	320.00
b) Flexural strength for pipes 8" nominal size and under	130.00	160.00
VIII. FERROUS AND NON-FERROUS METAL AND ALLIED PRODUCTS		
1 Steel Bars for complete reinforcement		
a) Complete Test		
1. For Plain bars	540.00	650.00
2. For Deformed bars	620.00	740.00
b) Tensile properties	120.00	140.00
c) Bending properties	80.00	100.00
d) Deformation measurement	80.00	100.00
e) Variation in weight	60.00	70.00
2 Cast iron pipes and centrifugally cast pipes		
a) Hydraulic test cast iron soil pipes	270.00	320.00
b) Hydraulic test with test pressure over 50 psi up to 1000 psi for pipes 10" nominal size and under	390.00	470.00
c) Flexural strength standard test bars, A, B, C	190.00	230.00
d) Tensile properties prepared standard test specimen	190.00	230.00
e) Dimension Measurement	60.00	70.00
f) Chemical Analysis		
1. Sulfur content	270.00	320.00
2. Phosphorous content	190.00	230.00
3 Steel Pipes		
a) Hydrostatic test with test pressure over 50 psi up to 1000 psi for pipes 10" nominal size and under	390.00	470.00
b) Dimension measurement	60.00	70.00

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

KIND OF TEST/SERVICE	OLD RATE	NEW RATE
c) Weight Determination	60.00	70.00
d) Weight of Zinc coating	390.00	470.00
e) Thickness or uniformly of coating by Preece test method	270.00	320.00
4 Wire and Wire ropes		
a) Tensile properties for wire from gage 10 up	130.00	160.00
b) Ductility of wire	130.00	160.00
c) Adherence of coating	130.00	160.00
d) Uniformly of coating by Preece Test Method	130.00	160.00
e) Weight of Zinc coating	190.00	230.00
f) Breaking strength of wire ropes		
1. 1/2" nominal size and under	270.00	320.00
2. Over 1/2" to 1" nominal size	390.00	470.00
g) Dimension measurement	60.00	70.00
5 Standard Test Specimens and Miscellaneous Metal Products		
a) Tensile properties of prepared test specimen	290.00	350.00
b) Hardness test, Brinell or Rockwell:		
1. For the first specimen	130.00	160.00
2. For each additional specimen	60.00	70.00
c) Impact test, Charpy, Izad or Tensile prepared test specimen		
1. For the first test specimen	130.00	160.00
2. For each additional test specimen	60.00	70.00
d) Wheelborrow check test	390.00	470.00
e) Cast iron manhole frame and cover check test	390.00	470.00
f) Load test, hydraulic jacks, not over 50 tones capacity	1,930.00	2,320.00
g) Chemical analysis per element sulfur	190.00	230.00
h) Reflective Pavement Studs (Flexural Strength)	290.00	350.00
IX. MISCELLANEOUS MATERIALS (MECHANICAL)		
1 fiber rope		
a) tensile strength		
1. For ropes 1" in nominal size and under	190.00	230.00
2. Over 1" up to 2" in nominal size	270.00	320.00
3. Over 2" up to 3" in nominal size	390.00	470.00

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

KIND OF TEST/SERVICE	OLD RATE	NEW RATE
X. SPECIAL TESTS		
1 Verification of testing machines by means of standard proving rings:		
a) Testing machines with capacity range of 2,000 lbs and under per range	1,350.00	1,620.00
b) Over 2,000 lbs up to 20,000 lbs per range	3,090.00	3,710.00
c) Over 20,000 lbs up to 200,000 lbs per range	5,800.00	6,960.00
d) Over 200,000 lbs up to 400,000 lbs per range	7,730.00	9,280.00
2 Additional charges for verification and calibration test performed at location		
a) Fees while proving rings are in transit or at location per day:		
1. Proving rings with loading capacity of 2,000 lbs	270.00	320.00
2. Proving rings with loading capacity of 20,000 lbs	390.00	470.00
3. Proving rings with loading capacity of 200,000 lbs	660.00	790.00
XI. MISCELLANEOUS SERVICES		
1 Plate Bearing Test and/or Subgrade Modulus Determination (k value Uncorrected), fixed charge up to 100 tons	3,090.00	3,710.00
2 Load Test on Piles, fixed charge up to 100 tons	5,410.00	6,490.00
3 Resistivity Test		
a) Rental of equipment, per day or fraction thereof	660.00	790.00
4 Concrete Core Drilling		
a) Rental of equipment, per day or fraction thereof	350.00	420.00
b) Per core drilled	660.00	790.00

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

KIND OF TEST/SERVICE	OLD RATE	NEW RATE
XII. SUBSURFACE EXPLORATION		
1. Mobilization	4,360.00	5,230.00
2. Demobilization	4,360.00	5,230.00
3. Drilling through		
a) Ordinary Soil, per Linear Meter	730.00	880.00
b) Gravel/Rocks, using NQ bit, per Linear Meter	1,450.00	1,740.00
4. Hole to Hole Transfer, per move	1,450.00	1,740.00

APPROVED:

SIMEON A. DATUMANONG
Secretary