



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

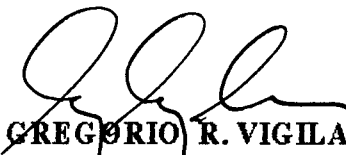
091-17-DPW
03-21-2000

20 March 2000

DEPARTMENT ORDER)
NO. 76)
SERIES OF 2000 43/20/2000)
XXXXXXXXXXXXXXXXXXXX)

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

By virtue of Executive Order No. 197 dated 13 January 2000, directing all Departments, Bureaus, Commissions, Agencies, Offices and Instrumentalities of the National Government, including Government-Owned or Controlled Corporations to increase their Rates of Fees and Charges by not less than 20 percent, the attached Revised Schedule of Fees and Charges for Testing of Construction Materials and Other Services is hereby prescribed, effective immediately.


GREGORIO R. VIGILAR
Secretary

Attachment : As stated

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

KIND OF TEST/SERVICE	OLD RATE	NEW RATE
I. SOIL		
1 Grading	65.00	130.00
2 Liquid Limit	65.00	80.00
3 Plastic Limit	65.00	80.00
4 Shrinkage Limit	87.00	100.00
5 Moisture Content	29.00	40.00
6 Compaction (Proctor)	322.00	390.00
7 Compaction (Modified)	366.00	440.00
8 Field Density	219.00	260.00
9 California Bearing Ratio (CBR)	805.00	970.00
10 Penetration (CBR), per molded specimen	48.00	60.00
11 Swell (CBR), per molded specimen	48.00	60.00
12 Specific Gravity	75.00	110.00
13 Unit Weight		
Disturbed Samples	48.00	100.00
Undisturbed Samples	48.00	100.00
14 Combined Sieve and Hydrometer	351.00	420.00
15 Consolidation	765.00	920.00
16 Consolidation of wet and dry specimen under a 10 psi unit load (correction factor for "k" value)	898.00	1080.00
17 Direct Shear	1,442.00	1730.00
18 Direct Shear one loading	732.00	880.00
19 Triaxial Compression	2,163.00	2600.00
20 Triaxial Compression one Loading	1,442.00	1730.00
21 Unconfined Compression per Test	248.00	300.00
22 Compression including molding (Soil-Stabilization) per molded specimen	112.00	130.00
23 Absorption (Soil-Stabilization)	112.00	130.00
24 Wash Loss	64.00	80.00
II. AGGREGATES AND SOIL-AGGREGATES (For sub-base, base and surface course)		
1 Grading	65.00	130.00
2 Material Finer than No. 200 Sieve	58.00	120.00
3 Combined Sieve and Hydrometer	351.00	420.00
4 Crushing	112.00	130.00
5 Unit Weight, Loose and Rodded	64.00	100.00
6 Liquid Limit	65.00	80.00

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

KIND OF TEST/SERVICE	OLD RATE	NEW RATE
7 Plastic Limit	64.00	80.00
8 Specific Gravity and Absorption	169.00	200.00
9 Absorption	64.00	100.00
10 Specific Gravity	73.00	110.00
11 Moisture Content	29.00	60.00
12 Abrasion	219.00	350.00
13 California Bearing Ratio	805.00	970.00
14 Stripping	193.00	230.00
15 Triaxial Mix with Asphalt, complete with Laboratory Compacted Density, Absorption Swell and Stability Characteristics		
a) First Trial	901.00	1080.00
b) Each Extra Trail	563.00	680.00
16 Swell characteristics with bituminous materials	192.00	230.00
17 % Fractured Face	64.00	80.00
18 Soundness	273.00	330.00
19 Organic Impurities	109.00	200.00
20 Trial Mix (Concrete Design) given cement factor	644.00	770.00
21 Trial Mix (Concrete Design) given strength:		
a) First Trial	732.00	880.00
b) Each extra Trial	563.00	680.00
22 Air Content of Fresh Mixed Concrete	96.00	120.00
23 Mortar Strength, 7 days	109.00	130.00
24 Trial Mix with asphalt for Marshall	322.00	390.00
25 Particles with specific gravity less than 2.00	96.00	120.00
26 Clay Lumps in Aggregates	58.00	70.00
III. HYDRAULIC CEMENT		
1 Fineness by #200 Sieve	54.00	80.00
2 Specific Gravity	73.00	90.00
3 Normal Consistency	51.00	60.00
4 Time of Setting by Gilmore Needles	40.00	50.00
5 Soundness by Pat Test	43.00	50.00
6 Soundness by Autoclave Expansion	161.00	190.00
7 Compressive Strength: 1 day	73.00	90.00
Compressive Strength: 3 days	73.00	90.00
Compressive Strength: 7 days	73.00	90.00
Compressive Strength: 28 days	73.00	90.00

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

KIND OF TEST/SERVICE	OLD RATE	NEW RATE
8 Air Content	73.00	90.00
9 Loss on Ignition	80.00	100.00
10 Insoluble Residue	109.00	130.00
11 Sulfur Trioxide (Cement)	109.00	130.00
12 Magnesium Oxide	109.00	130.00
13 Silicon Dioxide	109.00	130.00
14 Aluminum Oxide	109.00	130.00
15 Ferric Oxide	109.00	130.00
16 Calcium Oxide	109.00	130.00
IV BITUMINOUS MATERIALS		
1 Penetration	73.00	90.00
2 Ductility	161.00	190.00
3 Softening Point	112.00	130.00
4 Float Test	112.00	130.00
5 Viscosity	112.00	130.00
6 Distillation		
a) Emulsified Asphalt	215.00	260.00
b) Cut-back, Tar and petroleum products	263.00	320.00
7 Storage Stability	80.00	100.00
8 Specific Gravity	48.00	60.00
9 Loss on Heating	80.00	100.00
10 % Bitumen		
a) Solubility in Carbon Disulfide	112.00	130.00
b) Solubility in Carbon Tetrachloride	112.00	130.00
11 Spot Test	117.00	140.00
12 Flash and Fire Point	80.00	100.00
13 Cement Mixing	80.00	100.00
14 Sieve Test	64.00	100.00
15 Modified Miscibility	161.00	190.00
16 Water Content	146.00	180.00
17 Stone Coating	48.00	60.00
18 Settlement Test	112.00	130.00
19 Residue of Specified Penetration	161.00	190.00
20 Particle Charger Tester		150.00

**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	146.00	180.00
2 Swell and Stability Characteristics with Laboratory Compacted Density and Absorption	547.00	660.00
3 Density of % Voids of Compacted Mixtures	73.00	90.00
4 Marshall Stability	146.00	180.00
5 Field Density	146.00	180.00
VI. MISCELLANEOUS MATERIALS (CHEMICAL)		
1 Lime, Limestone, Clay Shakes and Slags		
a) Chemical Analysis, per constituent	109.00	130.00
b) Loss on Ignition	96.00	120.00
c) Moisture Content	80.00	100.00
d) Residue	48.00	60.00
2 Premolded Expansion Joint Filler		
a) Absorption	80.00	100.00
b) Compression and Recovery	161.00	190.00
3 Paint and Paint Materials:		
a) Paint composition on ready mixed paint	547.00	660.00
b) Pigment composition each constituent	161.00	190.00
c) Viscosity (Stormer Viscometer)		
d) Analysis of varnish	805.00	970.00
e) Analysis of Aluminum Pigment	547.00	660.00
f) Analysis of Linseed Oil	853.00	1020.00
g) Analysis of Reflectorized (Beaded)		
Traffic Paints Type I (White)	1,610.00	1930.00
(Yellow)	1,771.00	2130.00
Traffic Paints Type II (White)	1,288.00	1550.00
(Yellow)	1,449.00	1740.00
h) Analysis of Reflectorized Thermoplastic		
Traffic Paints (White and Yellow)		
h.1) Specific Gravity	134.00	160.00
h.2) Softening Point	225.00	270.00
h.3) Drying Time	50.00	60.00
h.4) Appearance of Paint Film	50.00	60.00
h.5) Tackiness	50.00	60.00
h.6) Thickness	44.00	50.00

**SCHEDULE OF FEES AND CHARGES
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KIND OF TEST/SERVICE	OLD RATE	NEW RATE
g.7) Vehicle Binder (%m)	770.00	920.00
g.8) Glass Beads Content (%m)	286.00	340.00
g.9) Glass Beads Grading	55.00	70.00
h) Red Lead and Red Oxide Primer	889.00	1040.00
i) Latex, Flatwall and Quick Dry Enamel	708.00	850.00
4 Water		
a) Suitability for Concreting	805.00	970.00
b) Special Determination per Constituents	161.00	190.00
c) pH Test	161.00	190.00
d) Total Solid	161.00	190.00
e) Sulfate	161.00	190.00
f) Chloride	161.00	190.00
5 Galvanized Iron and Steel Sheets		
a) Zinc Coating		
1. For the first sample	112.00	130.00
2. For each additional sample	64.00	80.00
b) Gauge Determination	48.00	60.00
c) Bend and Flaking Test	48.00	60.00
6 Reflective Sheetings		
a) Thickness	64.00	80.00
b) Adhesion	128.00	150.00
c) Heat Resistance	257.00	310.00
d) Solvent Resistance	257.00	310.00
e) Reflectivity	64.00	80.00
VII. CONCRETE AND CEMENT PRODUCTS		
1 Molded concrete samples		
a) Compressive strength of concrete cubes 6" x 6"	51.00	70.00
b) Compressive strength of concrete cylinders		
1.6" x 12"	48.00	70.00
2.8" x 16"	64.00	80.00
c) Flexural strength of concrete beams 6" x 6" in cross-section	80.00	100.00
2 Cutting of concrete samples to standard sized for strength determination	225.00	270.00

**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	80.00	100.00
b) Water absorption with coefficient of saturation	112.00	130.00
c) Dimension measurement	48.00	60.00
d) reinforcement measurement	48.00	60.00
e) Strength		
1. Non-reinforced		
a) 10" nominal size and under	112.00	240.00
b) Over 10" to 18" nominal size	161.00	320.00
2. Reinforced		
a) 24" nominal size and under	225.00	360.00
b) Over 24" to 30" nominal size	289.00	460.00
c) Over 30" to 42" nominal size	354.00	600.00
d) Over 42" to 60" nominal size	418.00	1000.00
4 Masonry building units and paving blocks:		
a) Complete tests for 10-units sample of concrete and clay hollow blocks	732.00	880.00
b) Compressive strength	65.00	100.00
c) Moisture content	64.00	100.00
d) Water absorption and moisture content	80.00	100.00
e) Water absorption and coefficient saturation	112.00	130.00
f) Dimension measurement	48.00	60.00
g) flexural strength	80.00	100.00
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	144.00	170.00
2. Slabs 4 cm x 50 cm x 50 cm maximum nominal size per unit	80.00	100.00
6 Asbestos Cement Sheets		
a) Flexural Strength		
1. Flat sheets, per 3 standard test specimen or less	128.00	150.00
2. For each additional standard test specimen	48.00	60.00
3. Corrugated sheets per 3 standard test specimens or less	161.00	190.00
4. For each additional standard test specimen	48.00	60.00

**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	161.00	190.00
2. For each additional standard test specimen	48.00	60.00
7 Asbestos Cement Pipes		
a) Crushing strength		
1. 10" nominal size and under	112.00	130.00
2. Over 10" to 18" nominal size	161.00	190.00
3. Over 18" to 30" nominal size	225.00	270.00
b) Flexural strength for pipes 8" nominal size and under	112.00	130.00
VIII. FERROUS AND NON-FERROUS METAL AND ALLIED PRODUCTS		
1 Steel Bars for complete reinforcement		
a) Complete Test		
1. For Plain bars	450.00	540.00
2. For Deformed bars	515.00	620.00
b) Tensile properties	102.00	120.00
c) Bending properties	64.00	80.00
d) Deformation measurement	64.00	80.00
e) Variation in weight	48.00	60.00
2 Cast iron pipes and centrifugally cast pipes		
a) Hydraulic test cast iron soil pipes	225.00	270.00
b) Hydraulic test with test pressure over 50 psi up to 1000 psi for pipes 10" nominal size and under	322.00	390.00
c) Flexural strength standard test bars, A,B,C	161.00	190.00
d) Tensile properties prepared standard test specimen	161.00	190.00
e) Dimension Measurement	48.00	60.00
f) Chemical Analysis		
1. Sulfur content	225.00	270.00
2. Phosphorous content	161.00	190.00
3 Steel Pipes		
a) Hydrostatic test with test pressure over 50 psi up to 1000 psi for pipes 10" nominal size and under	322.00	390.00
b) Dimension measurement	48.00	60.00

**SCHEDULE OF FEES AND CHARGES
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KIND OF TEST/SERVICE	OLD RATE	NEW RATE
c) Weight Determination	48.00	60.00
d) Weight of Zinc coating	322.00	390.00
e) Thickness or uniformity of coating by Preece test method	225.00	270.00
4 Wire and Wire ropes		
a) Tensile properties for wire from gage 10 up	112.00	130.00
b) Ductility of wire	112.00	130.00
c) Adherence of coating	112.00	130.00
d) Uniformity of coating by Preece Test Method	112.00	130.00
e) Weight of Zinc coating	161.00	190.00
f) Breaking strength of wire ropes		
1. 1/2" nominal size and under	225.00	270.00
2. Over 1/2" to 1" nominal size	322.00	390.00
g) Dimension measurement	48.00	60.00
5 Standard Test Specimens and Miscellaneous Metal Products		
a) Tensile properties of prepared test specimen	241.00	290.00
b) Hardness test, Brinnel or Rockwell:		
1. For the first specimen	112.00	130.00
2. For each additional specimen	48.00	60.00
c) Impact test, Charpy, Izad or Tensile prepared test specimen		
1. For the first test specimen	112.00	130.00
2. For each additional test specimen	48.00	60.00
d) Wheelborrow check test	322.00	390.00
e) Cast iron manhole frame and cover check test	322.00	390.00
f) Load test, hydraulic jacks, not over 50 tones capacity	1,610.00	1930.00
g) Chemical analysis per element sulfur	161.00	190.00
IX. MISCELLANEOUS MATERIALS (MECHANICAL)		
1 fiber rope		
a) tensile strength		
1. For ropes 1" in nominal size and under	161.00	190.00
2. Over 1" up to 2" in nominal size	225.00	270.00
3. Over 2" up to 3" in nominal size	322.00	390.00

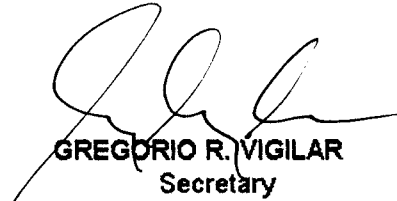
**SCHEDULE OF FEES AND CHARGES
FOR LABORATORY TESTING OF CONSTRUCTION MATERIALS**

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	1,127.00	1,350.00
b) Over 2,000 lbs up to 20,000 lbs per range	2,576.00	3,090.00
c) Over 20,000 lbs up to 200,000 lbs per range	4,831.00	5,800.00
d) Over 200,000 lbs up to 400,000 lbs per range	6,442.00	7,730.00
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	225.00	270.00
2. Proving rings with loading capacity of 20,000 lbs	322.00	390.00
3. Proving rings with loading capacity of 200,000 lbs	547.00	660.00
XI. MISCELLANEOUS SERVICES		
1 Plate Bearing Test and/or Subgrade Modulus Determination (k value Uncorrected), fixed charge up to 100 tons	2,576.00	3,090.00
2 Load Test on Piles, fixed charge up to 100 tons	4,509.00	5,410.00
3 Resistivity Test		
a) Rental of equipment, per day or fraction thereof	547.00	660.00
4 Concrete Core Drilling		
a) Rental of equipment, per day or fraction thereof	289.00	350.00
b) Per core drilled	547.00	660.00

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

KIND OF TEST/SERVICE	OLD RATE	NEW RATE
XII. SUBSURFACE EXPLORATION		
1. Mobilization	3,630.00	4,360.00
2. Demobilization	3,630.00	4,360.00
3. Drilling through		
a) Ordinary Soil, per Linear Meter	605.00	730.00
b) Gravel/Rocks, using NQ bit, per Linear Meter	1,210.00	1,450.00
4. Hole to Hole Transfer, per move	1,210.00	1,450.00

APPROVED:


GREGORIO R. VIGILAR
Secretary