



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

097. 13 0 PWH
05-08-2015

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DEPARTMENT ORDER)

NO. **69**)

Series of 2015)

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

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 of 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.


ROGELIO L. SINGSON
Secretary

Department of Public Works and Highways
Office of the Secretary



WIN5U01080

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

| KIND OF TEST/SERVICE | OLD RATE 2006 | NEW RATE |
|--|------------------|----------|
| I. SOIL | | |
| 1. Grading | 200.00 | 240.00 |
| 2. Liquid Limit | 120.00 | 140.00 |
| 3. Plastic Limit | 120.00 | 140.00 |
| 4. Shrinkage Limit | 150.00 | 180.00 |
| 5. Moisture Content | 60.00 | 75.00 |
| 6. Compaction (Proctor) | 570.00 | 680.00 |
| 7. Compaction (Modified) | 640.00 | 770.00 |
| 8. Field Density | 380.00 | 400.00 |
| 9. California Bearing Ratio (CBR) | 1,160.00 | 1,390.00 |
| 10. Penetration (CBR), per molded specimen | 90.00 | 110.00 |
| Swell (CBR), per molded specimen | 90.00 | 110.00 |
| Specific Gravity | 160.00 | 190.00 |
| 13. Unit Weight | | |
| Disturbed Samples | 120.00 | 140.00 |
| Undisturbed Samples | 120.00 | 140.00 |
| 14. Combined Sieve and Hydrometer | 500.00 | 600.00 |
| 15. Consolidation | 1,320.00 | 1,580.00 |
| 16. Consolidation of wet and dry specimen Under a 10 psi unit load (correction factor for "k" value) | 1,560.00 | 1,870.00 |
| 17. Direct Shear | 2,080.00 | 2,490.00 |
| 18. Direct Shear one loading | 1,280.00 | 1,540.00 |
| 19. Triaxial Compression | 3,120.00 | 3,744.00 |
| 20. Triaxial Compression one loading | 2,500.00 | 3,000.00 |
| 21. Unconfined Compression per Test | 360.00 | 430.00 |
| 22. Compression including molding (Soil-Stabilization) per molded specimen | 200.00 | 240.00 |
| 23. Absorption (Soil-Stabilization) | 200.00 | 240.00 |
| 24. Wash Loss | 120.00 | 140.00 |
| II. AGGREGATES AND SOIL AGGREGATES (For sub-base, base and surface course) | | |
| 1. Grading | 200.00 | 240.00 |
| 2. Material Finer than No. 200 Sieve | 170.00 | 200.00 |
| 3. Combined Sieve and Hydrometer | 500.00 | 600.00 |

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

| KIND OF TEST/SERVICE | OLD RATE 2006 | NEW RATE |
|---|------------------|----------|
| 4. Crushing | 200.00 | 240.00 |
| 5. Unit Weight, Loose and Rodded | 150.00 | 175.00 |
| 6. Liquid Limit | 120.00 | 140.00 |
| 7. Plastic Limit | 120.00 | 140.00 |
| 8. <i>Specific Gravity and Absorption</i> | 200.00 | 240.00 |
| 9. Absorption | 120.00 | 140.00 |
| 10. Specific Gravity | 140.00 | 165.00 |
| 11. Moisture Content | 90.00 | 110.00 |
| 12. Abrasion | 420.00 | 500.00 |
| 13. California Bearing Ratio (CBR) | 1,160.00 | 1,390.00 |
| 14. <i>Stripping</i> | 340.00 | 410.00 |
| 15. Triaxial Mix with Asphalt, complete with Laboratory Compacted Density, Absorption Swell and Stability Characteristics | | |
| a) First Trial | 1,570.00 | 1,880.00 |
| b) Each Extra Trial | 990.00 | 1,190.00 |
| 16. <i>Swell characteristics with bituminous materials</i> | 340.00 | 410.00 |
| 17. % Fractured Face | 120.00 | 140.00 |
| 18. Soundness | 400.00 | 415.00 |
| 19. Organic Impurities | 240.00 | 290.00 |
| 20. Trial Mix (Concrete Design) given cement factor | 1,110.00 | 1,330.00 |
| 21. Trial Mix (Concrete Design) given strength: | | |
| a) First Trial | 1,060.00 | 1,270.00 |
| b) Each Extra Trial | 820.00 | 980.00 |
| 22. Air Content of Fresh Mixed Concrete | 170.00 | 200.00 |
| 23. Mortar Strength, 7 days | 200.00 | 240.00 |
| 24. Trial Mix with asphalt for Marshall | 570.00 | 680.00 |
| 25. Particles with specific gravity less than 2.00 | 170.00 | 200.00 |
| 26. Clay Clumps in Aggregates | 100.00 | 120.00 |
| III. HYDRAULIC CEMENT | | |
| 1. Fineness by #200 Sieve | 90.00 | 110.00 |
| 2. Specific Gravity | 140.00 | 165.00 |
| 3. Normal Consistency | 90.00 | 110.00 |
| 4. Time of Setting by Gillmore Needles | 80.00 | 95.00 |
| 5. Soundness by Pat Test | 80.00 | 95.00 |

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

| KIND OF TEST/SERVICE | OLD RATE 2006 | NEW RATE |
|---|------------------|----------|
| 6. Soundness by Autoclave Expansion | 280.00 | 335.00 |
| 7. Compressive Strength: 1 day | 140.00 | 165.00 |
| Compressive Strength: 3 days | 140.00 | 165.00 |
| Compressive Strength: 7 days | 140.00 | 165.00 |
| Compressive Strength: 28 days | 140.00 | 165.00 |
| 8. Air Content | 140.00 | 165.00 |
| 9. Loss on Ignition | 150.00 | 180.00 |
| 10. Insoluble Residue | 160.00 | 190.00 |
| 11. Sulfur Trioxide (Cement) | 160.00 | 190.00 |
| 12. Magnesium Oxide | 160.00 | 190.00 |
| 13. Silicon Dioxide | 160.00 | 190.00 |
| 14. Aluminum Oxide | 200.00 | 240.00 |
| 15. Ferric Oxide | 200.00 | 240.00 |
| 16. Calcium Oxide | 200.00 | 240.00 |
| IV. BITUMINOUS MATERIALS | | |
| 1. Penetration | 140.00 | 165.00 |
| 2. Ductility | 280.00 | 335.00 |
| 3. Softening Point | 200.00 | 240.00 |
| 4. Float Test | 200.00 | 240.00 |
| 5. Viscosity | 200.00 | 240.00 |
| 6. Distillation | | |
| a) Emulsified Asphalt | 380.00 | 455.00 |
| b) Cut-back, Tar and Petroleum Products | 460.00 | 550.00 |
| 7. Storage Stability | 150.00 | 180.00 |
| 8. Specific Gravity | 90.00 | 110.00 |
| 9. Loss on Heating | 150.00 | 180.00 |
| 10. % Bitumen | | |
| a) Solubility in Carbon Disulfide | 200.00 | 240.00 |
| b) Solubility in Carbon Tetrachloride | 200.00 | 240.00 |
| 11. Spot Test | 210.00 | 250.00 |
| 12. Flash and Fire Point | 150.00 | 180.00 |
| 13. Cement Mixing | 150.00 | 180.00 |
| 14. Sieve Test | 150.00 | 180.00 |
| 15. Modified Miscibility | 280.00 | 335.00 |
| 16. Water Content | 270.00 | 320.00 |
| 17. Stone Coating | 90.00 | 110.00 |

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

| KIND OF TEST/SERVICE | OLD RATE 2006 | NEW RATE |
|--|--------------------------|-----------------|
| 18. Settlement Test | 200.00 | 240.00 |
| 19. Residue of Specified Penetration | 280.00 | 335.00 |
| 20. Particle Charge Test | 220.00 | 260.00 |
| V. BITUMINOUS MIXTURES (Including Rock Asphalt) | | |
| 1. Extraction | 270.00 | 320.00 |
| 2. Swell and Stability Characteristics with Laboratory Compacted Density and Absorption | 970.00 | 1,164.00 |
| 3. Density and % Voids of Compacted Mixtures | 140.00 | 170.00 |
| 4. Marshall Stability/Immersion-Compression | 270.00 | 325.00 |
| 5. Field Density | 270.00 | 322.00 |
| 6. Grading | 200.00 | 240.00 |
| VI. MISCELLANEOUS MATERIALS (CHEMICAL) | | |
| 1. Lime, Limestone, Clay Shakes and Slags | | |
| a) Chemical Analysis, per constituent | 200.00 | 240.00 |
| b) Loss on Ignition | 170.00 | 200.00 |
| c) Moisture Content | 150.00 | 180.00 |
| d) Residue | 90.00 | 110.00 |
| e) Grading | 200.00 | 240.00 |
| 2. Premolded Expansion Joint Filler | | |
| a) Absorption | 250.00 | 350.00 |
| b) Compression and Recovery | 280.00 | 340.00 |
| c) Thickness | 120.00 | 140.00 |
| d) Density | 140.00 | 170.00 |
| 3. Paint and Paint Materials: | | |
| a) Paint composition on ready mixed paint | 950.00 | 1,140.00 |
| b) Pigment composition each constituent | 280.00 | 340.00 |
| c) Analysis of varnish | 1,400.00 | 1,680.00 |
| d) Analysis of Aluminum Pigment | 950.00 | 1,140.00 |
| e) Analysis of Linseed Oil | 1,470.00 | 1,760.00 |

| KIND OF TEST/SERVICE | OLD RATE 2006 | NEW RATE |
|--|------------------|----------|
| f) Analysis of Reflectorized (Beaded) | | |
| Traffic Paints Type I (White) | 2,790.00 | 3,350.00 |
| (Yellow) | 3,080.00 | 3,700.00 |
| Traffic Paints Type II (White) | 2,240.00 | 2,690.00 |
| (Yellow) | 2,510.00 | 3,010.00 |
| g) Analysis of Reflectorized Thermoplastic | | |
| Traffic Paints (White and Yellow) | | |
| g.1) Specific Gravity | 230.00 | 280.00 |
| g.2) Softening Point | 330.00 | 345.00 |
| g.3) Drying Time | 90.00 | 105.00 |
| g.4) Appearance of Paint Film | 90.00 | 105.00 |
| g.5) Tackiness | 90.00 | 105.00 |
| g.6) Thickness | 80.00 | 110.00 |
| g.7) Vehicle Binder (%m) | 1,340.00 | 1,610.00 |
| g.8) Glass Beads Content (%m) | 500.00 | 555.00 |
| g.9) Glass Beads Grading | 100.00 | 120.00 |
| h) Red Lead and Red Oxide Primer | 1,500.00 | 1,800.00 |
| i) Latex, Flatwall and Quick Dry Enamel | 1,230.00 | 1,480.00 |
| 4. Water | | |
| a) Suitability for Concreting | 1,170.00 | 1,400.00 |
| b) Special Determination per Constituents | 230.00 | 275.00 |
| c) Ph Test | 230.00 | 275.00 |
| d) Total Solid | 230.00 | 275.00 |
| e) Sulfate | 230.00 | 275.00 |
| f) Chloride | 230.00 | 275.00 |
| 5. Galvanized Iron and Steel Sheets | | |
| a) Zinc Coating | | |
| 1. For the first sample | 200.00 | 240.00 |
| 2. For each additional sample | 120.00 | 140.00 |
| b) Gauge Determination | 90.00 | 110.00 |
| c) Bend and Flaking Test | 90.00 | 110.00 |
| 6. Reflective Sheetings | | |
| a) Thickness | 120.00 | 140.00 |
| b) Adhesion | 220.00 | 250.00 |

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

| KIND OF TEST/SERVICE | OLD RATE 2006 | NEW RATE |
|---|--------------------------|-----------------|
| c) Shrinkage | 220.00 | 250.00 |
| d) Flexibility | 220.00 | 250.00 |
| e) Heat Resistance | 450.00 | 510.00 |
| f) Solvent Resistance | 450.00 | 510.00 |
| g) Reflectivity | 120.00 | 140.00 |
| 7. Curing Compound | 1,440.00 | 1,730.00 |
| 8. Thormajoint | | |
| a) Pour Point Temperature | 200.00 | 240.00 |
| b) Safe Heating Temperature | 200.00 | 240.00 |
| c) Flow | 280.00 | 340.00 |
| d) Penetration (Cone) | 140.00 | 170.00 |
| e) Softening Point | 330.00 | 400.00 |
| 9. Concrete Joint Sealer (Hot-Poured) | | |
| a) Pour Point Temperature | 200.00 | 240.00 |
| b) Safety Heating Temperature | 200.00 | 240.00 |
| c) Flow | 280.00 | 340.00 |
| d) Penetration (Cone) | 140.00 | 170.00 |
| 10. Mineral Filler | | |
| a) Plasticity | 240.00 | 255.00 |
| b) Grading | 200.00 | 240.00 |
| c) Loss on Ignition | 150.00 | 180.00 |
| VII. CONCRETE AND CEMENT PRODUCTS | | |
| 1. Molded Concrete Samples | | |
| a) Compressive strength of concrete cubes 6" x 6" | 100.00 | 120.00 |
| b) Compressive strength of concrete cylinders | | |
| 1.7 "x 12" | 100.00 | 120.00 |
| 2.8" x 16" | 120.00 | 140.00 |
| c) Flexural strength of concrete beams | 120.00 | 140.00 |
| 6"x 6" in cross-section | | |
| 2. Cutting of concrete samples to standard sized for strength determination | 320.00 | 380.00 |
| 3. Pipes and Rain Test | | |
| a) Water absorption | 150.00 | 180.00 |
| b) Water absorption with coefficient of saturation | 200.00 | 240.00 |

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

| KIND OF TEST/SERVICE | OLD RATE 2006 | NEW RATE |
|---|------------------|----------|
| c) Dimension measurement | 90.00 | 110.00 |
| d) Reinforcement measurement | 90.00 | 110.00 |
| e) Strength | | |
| 1. Non-reinforced | | |
| a) 10" nominal size and under | 350.00 | 420.00 |
| b) Over 10" to 18 nominal size | 460.00 | 550.00 |
| 2. Reinforced | | |
| a) 24" nominal size and under | 520.00 | 620.00 |
| b) Over 24" to 30" nominal size | 660.00 | 790.00 |
| c) Over 30" to 42" nominal size | 870.00 | 1,040.00 |
| d) Over 42" to 60" nominal size | 1,440.00 | 1,705.00 |
| 4. Masonry building units and paving blocks: | | |
| a) Complete test for 10-units sample of concrete and clay hollow blocks | 1,280.00 | 1,540.00 |
| b) Compressive strength | 120.00 | 140.00 |
| c) Moisture content | 150.00 | 180.00 |
| d) Water absorption and moisture content | 150.00 | 180.00 |
| e) Water absorption and coefficient saturation | 200.00 | 240.00 |
| f) Dimension measurement | 90.00 | 110.00 |
| g) Flexural strength | 150.00 | 180.00 |
| 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 | 240.00 | 290.00 |
| 2. Slabs 4 cm x 50 cm x 50 cm maximum nominal size per unit | 150.00 | 180.00 |
| 6. Asbestos Cement Sheets | | |
| a) Flexural Strength | | |
| 1. Flat sheets, per 3 standard test specimen or less | 220.00 | 270.00 |
| 2. For each additional standard test specimen | 90.00 | 110.00 |
| 3. Corrugated sheets per 3 standard test specimens or less | 280.00 | 340.00 |
| 4. For each additional standard test specimen | 90.00 | 110.00 |

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

| KIND OF TEST/SERVICE | OLD RATE 2006 | NEW RATE |
|--|------------------|----------|
| b) Water Absorption | | |
| 1. For 3 standard test specimen | 280.00 | 340.00 |
| 2. For each additional standard test specimen | 90.00 | 110.00 |
| 7. Asbestos Cement Pipes | | |
| a) Crushing strength | | |
| 1. 10" nominal size and under | 200.00 | 240.00 |
| 2. Over 10" to 18" nominal size | 280.00 | 340.00 |
| 3. Over 18" to 30" nominal size | 390.00 | 470.00 |
| b) Flexural strength for pipes 8" nominal size and under | 200.00 | 240.00 |
| VIII. FERROUS AND NON-FERROUS METAL AND ALLIED PRODUCTS | | |
| 1. Steel Bars for complete reinforcement | | |
| a) Complete Test | | |
| 1) For Plain Bars | 780.00 | 940.00 |
| 2) For Deformed Bars | 890.00 | 1,070.00 |
| b) Tensile Properties | 170.00 | 200.00 |
| c) Bending Properties | 100.00 | 120.00 |
| d) Deformation Measurement | 100.00 | 120.00 |
| e) Variation in Weight | 90.00 | 110.00 |
| 2. Cast iron pipes and centrifugally cast pipes | | |
| a) Hydraulic test cast iron soil pipes | 390.00 | 470.00 |
| b) Hydraulic test with test pressure over 50 psi up to 1000 psi for pipes 10" nominal size and under | 570.00 | 680.00 |
| c) Flexural strength standard test bars, A, B, C | 280.00 | 340.00 |
| d) Tensile properties prepared standard test specimen | 280.00 | 340.00 |
| e) Dimension Measurement | 90.00 | 110.00 |
| f) Chemical Analysis | | |
| 1. Sulfur Content | 390.00 | 470.00 |
| 2. Phosphorous content | 280.00 | 340.00 |

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

| KIND OF TEST/SERVICE | OLD RATE 2006 | NEW RATE |
|--|------------------|----------|
| 3. Steel Pipes | | |
| a) Hydrostatic test with test pressure over 50 psi up to 1000 psi for pipes 10" nominal size and under | 570.00 | 680.00 |
| b) Dimension Measurement | 70.00 | 80.00 |
| c) Weight Determination | 90.00 | 110.00 |
| d) Weight of Zinc Coating | 570.00 | 680.00 |
| e) Thickness or uniformity of coating by Preece Test Method | 390.00 | 470.00 |
| 4. Wire and Wire Ropes | | |
| a) Tensile properties for wire from gage 10 up | 200.00 | 240.00 |
| b) Ductility of wire | 200.00 | 240.00 |
| c) Adherence of coating | 200.00 | 240.00 |
| d) Uniformity of coating by Preece Test Method | 200.00 | 240.00 |
| e) Weight of Zinc Coating | 280.00 | 340.00 |
| f) Breaking strength of wire ropes | | |
| 1. 1/2" nominal size and under | 390.00 | 470.00 |
| 2. Over 1/2" to 1" nominal size | 570.00 | 680.00 |
| g) Dimension Measurement | 90.00 | 110.00 |
| 5. Standard Test Specimens and Miscellaneous Metal Products | | |
| a) Tensile properties of prepared test specimen | 420.00 | 500.00 |
| b) Hardness Test, Brinell or Rockwell: | | |
| 1. For the first specimen | 200.00 | 240.00 |
| 2. For each additional specimen | 90.00 | 110.00 |
| c) Impact Test, Charpy, Izod or Tensile prepared test specimen | | |
| 1. For the first test specimen | 200.00 | 240.00 |
| 2. For each additional test specimen | 90.00 | 110.00 |
| d) Wheel borrow check test | 570.00 | 685.00 |
| e) Cast iron manhole frame and cover check test | 570.00 | 685.00 |
| f) Load test, hydraulic jacks, not over 50 tonnes capacity | 2,790.00 | 3,350.00 |

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

| KIND OF TEST/SERVICE | OLD RATE 2006 | NEW RATE |
|--|------------------|-----------|
| g) Chemical analysis per element sulfur | 280.00 | 340.00 |
| h) Reflective Pavement Studs (Flexural Strength) | 420.00 | 500.00 |
| IX. MISCELLANEOUS MATERIALS (MECHANICAL) | | |
| 1. Fiber Rope | | |
| a) Tensile Strength | | |
| 1. For ropes 1" in nominal size and under | 280.00 | 340.00 |
| 2. Over 1" up to 2" in nominal size | 390.00 | 470.00 |
| 3. Over 2" up to 3" in nominal size | 570.00 | 680.00 |
| 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 | 1,950.00 | 2,340.00 |
| b) Over 2,000 lbs up to 20,000 lbs per range | 4,460.00 | 5,350.00 |
| c) Over 20,000 up to 200,000 lbs per range | 8,360.00 | 10,030.00 |
| d) Over 200,000 lbs up to 400,000 lbs per range | 11,140.00 | 13,370.00 |
| 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 | 390.00 | 470.00 |
| 2. Proving rings with loading capacity of 20,000 lbs | 570.00 | 680.00 |
| 3. Proving rings with loading capacity of 200,000 lbs | 950.00 | 1,140.00 |
| XI. MISCELLANEOUS SERVICES | | |
| 1. Plate Bearing Test and/or Subgrade Modulus Determination (k value Uncorrected), fixed charge up to 100 tons | 4,460.00 | 5,350.00 |

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

| KIND OF TEST/SERVICE | OLD RATE 2006 | NEW RATE |
|---|------------------|----------|
| 2. Load Test on Piles, fixed charge up to 100 tons | 7,790.00 | 9,350.00 |
| 3. Resistivity Test | | |
| a) Rental of equipment, per day or fraction, thereof | 950.00 | 1,140.00 |
| 4. Concrete Core Drilling | | |
| a) Rental of equipment, per day or fraction thereof | 510.00 | 610.00 |
| b) Per core drilled | 950.00 | 1,140.00 |
| XII. SUBSURFACE EXPLORATION | | |
| 1. Mobilization | 6,280.00 | 7,540.00 |
| 2. Demobilization | 6,280.00 | 7,540.00 |
| 3. Drilling Through | | |
| a) Ordinary Soil, per Linear Meter | 1,060.00 | 1,270.00 |
| b) Gravel/Rocks, using Diamond/Tungsten bit, per Linear Meter | 2,090.00 | 2,510.00 |
| c) Standard Penetration Test (SPT), per SPT | 50.00 | 60.00 |
| 4. Hole to Hole Transfer, per move | 2,090.00 | 2,510.00 |
| 5. Core Box, per box | 1,000.00 | 1,200.00 |
| 6. Miscellaneous Expenses (During Operation) | | |
| a) Diesel oil for Drilling Machine/Water Pump (per day) | 460.00 | 550.00 |
| b) Diesel/Gasoline for Service Vehicle (per day) | 230.00 | 275.00 |
| c) Water Supply Source, per day | 200.00 | 240.00 |
| d) Plastic bags, Pentel pen, etc. | 1,000.00 | 1,200.00 |

APPROVED:


ROGELIO L. SINGSON
Secretary