



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

097-13 DPWH (R)  
4-19-94

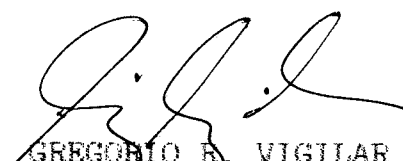
11 April 1994

DEPARTMENT ORDER )  
NO. 78  
SERIES OF 1994  
X-X-X-X-X-X-X-X-X

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

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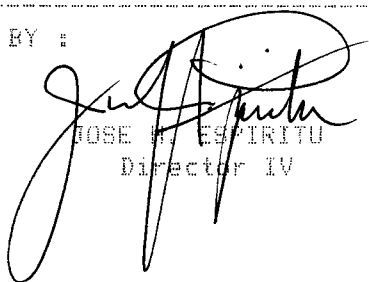
By virtue of Executive Order No 159 dated 23 February 1994, entitled: Directing All Departments, Bureaus, Offices, Units and Agencies of the National Government including Government-Owned or Controlled Corporations to revise their Fees and Charges at just and reasonable rates sufficient to cover at least the full cost of services rendered, it is hereby directed that the attached Revised Schedule of Fees and Charges for Testing of Construction Materials and Other Services be effected immediately.

  
GREGORIO B. VIGILAR  
Secretary

DPWH RATES OF FEES AND CHARGES

| KIND OF TEST/SERVICE                                                                                 | EXISTING RATES<br>OF DPWH | NEW PROPOSED<br>DPWH RATE |
|------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|
| I. SOIL                                                                                              |                           |                           |
| 1. Grading                                                                                           | 54.45                     | 59.90                     |
| 2. Liquid Limit                                                                                      | 54.45                     | 59.90                     |
| 3. Plastic Limit                                                                                     | 54.45                     | 59.90                     |
| 4. Shrinkage Limit                                                                                   | 72.60                     | 79.86                     |
| 5. Moisture Content                                                                                  | 24.20                     | 26.62                     |
| 6. Compaction (Proctor)                                                                              | 266.20                    | 292.82                    |
| 7. Compaction (Modified)                                                                             | 302.50                    | 332.75                    |
| 8. Field Density                                                                                     | 181.50                    | 199.65                    |
| 9. California Bearing Ratio (CBR)                                                                    | 665.50                    | 732.05                    |
| 10. Penetration (CBR), per molded specimen                                                           | 39.93                     | 43.92                     |
| 11. Swell (CBR), per molded specimen                                                                 | 39.93                     | 43.92                     |
| 12. Specific Gravity                                                                                 | 60.50                     | 66.55                     |
| 13. Unit Weight                                                                                      |                           |                           |
| Disturbed Samples                                                                                    | 36.30                     | 39.93                     |
| Undisturbed Samples                                                                                  | 36.30                     | 39.93                     |
| 14. Combined Sieve and Hydrometer                                                                    | 290.40                    | 319.44                    |
| 15. Consolidation                                                                                    | 635.25                    | 698.78                    |
| 16. Consolidation of wet and dry specimen under a 10 psi unit load (correction factor for "K" value) | 738.10                    | 811.91                    |
| 17. Direct Shear                                                                                     | 1191.85                   | 1311.04                   |
| 18. Direct Shear one Loading                                                                         | 605.00                    | 665.50                    |
| 19. Triaxial Compression                                                                             | 1788.38                   | 1967.22                   |
| 20. Triaxial Compression one Loading                                                                 | 1191.85                   | 1311.04                   |
| 21. Unconfined Compression per test                                                                  | 205.70                    | 226.27                    |
| 22. Compression including molding (Soil-Stabilization) per molded specimen                           | 93.17                     | 102.49                    |
| 23. Absorption (Soil-Stabilization) per molded specimen                                              | 93.17                     | 0.00                      |
| 24. Wash Loss                                                                                        | 53.24                     | 58.56                     |

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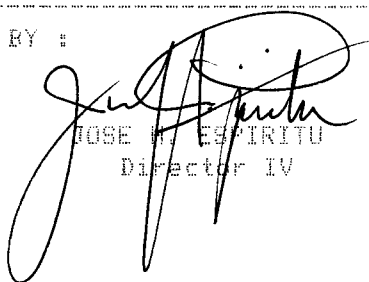
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DPWH RATES OF FEES AND CHARGES

| KIND OF TEST/SERVICE                                                                                 | EXISTING RATES<br>OF DPWH | NEW PROPOSED<br>DPWH RATE |
|------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|
| I. SOIL                                                                                              |                           |                           |
| 1. Grading                                                                                           | 54.45                     | 59.90                     |
| 2. Liquid Limit                                                                                      | 54.45                     | 59.90                     |
| 3. Plastic Limit                                                                                     | 54.45                     | 59.90                     |
| 4. Shrinkage Limit                                                                                   | 72.60                     | 79.86                     |
| 5. Moisture Content                                                                                  | 24.26                     | 26.62                     |
| 6. Compaction (Proctor)                                                                              | 266.20                    | 292.82                    |
| 7. Compaction (Modified)                                                                             | 302.50                    | 332.75                    |
| 8. Field Density                                                                                     | 181.50                    | 199.65                    |
| 9. California Bearing Ratio (CBR)                                                                    | 665.50                    | 732.05                    |
| 10. Penetration (CBR), per molded specimen                                                           | 39.93                     | 43.92                     |
| 11. Swell (CBR), per molded specimen                                                                 | 39.93                     | 43.92                     |
| 12. Specific Gravity                                                                                 | 60.50                     | 66.55                     |
| 13. Unit Weight                                                                                      |                           |                           |
| Disturbed Samples                                                                                    | 36.30                     | 39.93                     |
| Undisturbed Samples                                                                                  | 36.30                     | 39.93                     |
| 14. Combined Sieve and Hydrometer                                                                    | 290.40                    | 319.44                    |
| 15. Consolidation                                                                                    | 635.25                    | 698.78                    |
| 16. Consolidation of wet and dry specimen under a 10 psi unit load (correction factor for "K" value) | 738.10                    | 811.91                    |
| 17. Direct Shear                                                                                     | 1191.85                   | 1311.04                   |
| 18. Direct Shear one Loading                                                                         | 605.00                    | 665.50                    |
| 19. Triaxial Compression                                                                             | 1788.38                   | 1967.22                   |
| 20. Triaxial Compression one Loading                                                                 | 1191.85                   | 1311.04                   |
| 21. Unconfined Compression per test                                                                  | 205.70                    | 226.27                    |
| 22. Compression including molding (Soil-Stabilization) per molded specimen                           | 93.17                     | 102.49                    |
| 23. Absorption (Soil-Stabilization) per molded specimen                                              | 93.17                     | 0.00                      |
| 24. Wash Loss                                                                                        | 53.24                     | 58.56                     |

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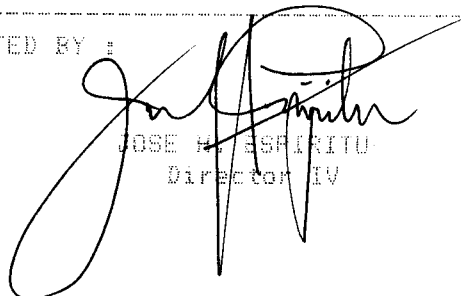
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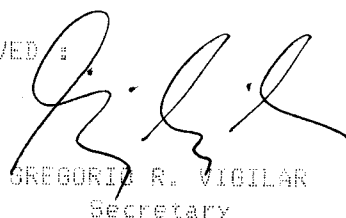
DPWH RATES OF FEES AND CHARGES

| KIND OF TEST/SERVICE                    | EXISTING RATES<br>OF DPWH | NEW PROPOSED<br>DPWH RATE |
|-----------------------------------------|---------------------------|---------------------------|
| <b>III. HYDRAULIC CEMENT</b>            |                           |                           |
| 1. Fineness by #200 Sieve               | 45.25                     | 49.78                     |
| 2. Specific Gravity                     | 60.50                     | 66.55                     |
| 3. Normal Consistency                   | 42.35                     | 46.59                     |
| 4. Time of Setting by Gilmore Needles   | 33.28                     | 36.61                     |
| 5. Soundness by Pat Test                | 36.30                     | 39.93                     |
| 6. Soundness by Autoclave Expansion     | 133.10                    | 146.41                    |
| 7. Compressive Strength: 1 day          | 60.50                     | 66.55                     |
| Compressive Strength: 3 days            | 60.50                     | 66.55                     |
| Compressive Strength: 7 days            | 60.50                     | 66.55                     |
| Compressive Strength: 28 days           | 60.50                     | 66.55                     |
| 8. Air Content                          | 60.50                     | 66.55                     |
| 9. Loss on Ignition                     | 66.55                     | 73.21                     |
| 10. Insoluble Residue                   | 90.75                     | 99.83                     |
| 11. Sulfur Trioxide (Cement)            | 90.75                     | 99.83                     |
| 12. Magnesium Oxide                     | 90.75                     | 99.83                     |
| 13. Silicon Dioxide                     | 90.75                     | 99.83                     |
| 14. Aluminum Oxide                      | 90.75                     | 99.83                     |
| 15. Ferric Oxide                        | 90.75                     | 99.83                     |
| 16. Calcium Oxide                       | 90.75                     | 99.83                     |
| <b>IV. BITUMINOUS MATERIALS</b>         |                           |                           |
| 1. Penetration                          | 60.50                     | 66.55                     |
| 2. Ductility                            | 133.10                    | 146.41                    |
| 3. Softening Point                      | 93.17                     | 102.49                    |
| 4. Float Test                           | 93.17                     | 102.49                    |
| 5. Viscosity                            | 93.17                     | 102.49                    |
| 6. Distillation:                        |                           |                           |
| a) Emulsified Asphalt                   | 177.87                    | 186.76                    |
| b) Cut-back, tar and petroleum products | 217.80                    | 239.58                    |
| 7. Specific Gravity                     | 39.93                     | 43.92                     |
| 8. Loss on Heating                      | 66.55                     | 73.21                     |
| 9. % Bitumen:                           |                           |                           |
| a) Solubility in Carbon Disulfide       | 93.17                     | 102.49                    |
| b) Solubility in Carbon Tetrachloride   | 93.17                     | 102.49                    |
| 10. Spot Test                           | 96.80                     | 106.48                    |
| 11. Flash and Fire Point                | 66.55                     | 73.21                     |
| 12. Cement Mixing                       | 66.55                     | 73.21                     |
| 13. Sieve Test                          | 53.24                     | 58.56                     |
| 14. Modified Miscibility                | 133.10                    | 146.41                    |

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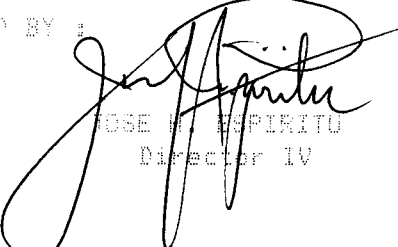
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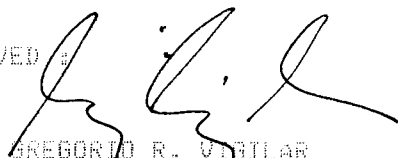
DPWH RATES OF FEES AND CHARGES

| KIND OF TEST/SERVICE                                                                         | EXISTING RATES<br>OF DPWH | NEW PROPOSED<br>DPWH RATE |
|----------------------------------------------------------------------------------------------|---------------------------|---------------------------|
| 15. Water Content                                                                            | 121.00                    | 133.10                    |
| 16. Stone Coating                                                                            | 39.93                     | 43.92                     |
| 17. Settlement Test                                                                          | 93.17                     | 102.49                    |
| 18. Residue of Specified Penetration                                                         | 133.10                    | 146.41                    |
| V. BITUMINOUS MIXTURES<br>(Including Rock Asphalt)                                           |                           |                           |
| 1. Extraction                                                                                | 121.00                    | 133.10                    |
| 2. Swell and Stability Characteristic<br>with Laboratory Compacted Density<br>and Absorption | 452.54                    | 497.79                    |
| 3. Density of % Voids of Compacted<br>Mixtures                                               | 60.50                     | 66.55                     |
| 4. Marshall Stability                                                                        | 121.00                    | 133.10                    |
| 5. Field Density                                                                             | 121.00                    | 133.10                    |
| VI. MISCELLANEOUS MATERIALS (CHEMICAL)                                                       |                           |                           |
| 1. Lime, Limestone, Clay, Shakes and<br>Slags                                                |                           |                           |
| a) Chemical Analysis, per constituent                                                        | 90.75                     | 99.83                     |
| b) Loss on Ignition                                                                          | 79.86                     | 87.35                     |
| c) Moisture Content                                                                          | 66.35                     | 73.21                     |
| d) Residue                                                                                   | 39.93                     | 43.92                     |
| 2. Premolded Expansion Joint Filler                                                          |                           |                           |
| a) Absorption                                                                                | 66.55                     | 73.21                     |
| b) Compression and Recovery                                                                  | 133.10                    | 146.41                    |
| 3. Paint and Paint Materials :                                                               |                           |                           |
| a) Paint composition of ready mixed<br>paint                                                 | 452.54                    | 497.79                    |
| b) Pigment composition each<br>constituent                                                   | 133.10                    | 146.41                    |
| c) Analysis of varnish                                                                       | 665.50                    | 732.05                    |
| d) Analysis of Aluminum Pigment                                                              | 452.54                    | 497.79                    |
| e) Analysis of Linseed Oil                                                                   | 921.42                    | 775.97                    |
| f) Analysis of ReflectORIZED (Beaded,<br>Traffic Paints Type I (White)                       | 1331.00                   | 1464.10                   |
| (Yellow)                                                                                     | 1464.10                   | 1610.51                   |
| Traffic Paints Type II (White)                                                               | 1064.30                   | 1171.29                   |
| (Yellow)                                                                                     | 1197.90                   | 1317.59                   |
| 4. Water                                                                                     |                           |                           |
| a) Suitability for Concrete                                                                  | 665.50                    | 732.05                    |
| b) Special Determination per<br>constituent                                                  | 133.10                    | 146.41                    |

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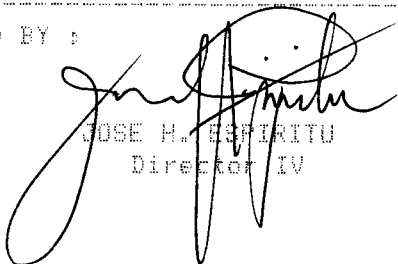
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# DPWH RATES OF FEES AND CHARGES

| KIND OF TEST/SERVICE                                                              | EXISTING RATES<br>OF DPWH | NEW PROPOSED<br>DPWH RATE |
|-----------------------------------------------------------------------------------|---------------------------|---------------------------|
| 5. Galvanized Iron and Steel Sheets                                               |                           |                           |
| a) Zinc Coating :                                                                 |                           |                           |
| 1. For the first sample                                                           | 93.17                     | 102.49                    |
| 2. For each additional sample                                                     | 53.24                     | 58.56                     |
| b) Gauge Determination                                                            | 39.93                     | 43.92                     |
| c) Bend and Flaking Test                                                          | 39.93                     | 43.92                     |
| VII. CONCRETE AND CEMENT PRODUCTS                                                 |                           |                           |
| 1. Molded concrete samples:                                                       |                           |                           |
| a) Compressive strength of concrete<br>cubes 6" x 6"                              | 42.35                     | 46.59                     |
| b) Compressive strength of concrete<br>cylinders                                  |                           |                           |
| 1. 6" x 12"                                                                       | 39.93                     | 43.92                     |
| 2. 8" x 16"                                                                       | 53.24                     | 58.56                     |
| c) Flexural strength of concrete<br>beams, 6" x 6" in cross-section               | 66.55                     | 73.21                     |
| 2. Cutting of concrete samples to<br>standard sized for strength<br>determination | 186.34                    | 204.97                    |
| 3. Pipes and rain tiles :                                                         |                           |                           |
| a) Water absorption                                                               | 66.55                     | 73.21                     |
| b) Water absorption with coefficient<br>of saturation                             | 93.17                     | 102.49                    |
| c) Dimension measurement                                                          | 39.93                     | 43.92                     |
| d) Reinforcement measurement                                                      | 39.93                     | 43.92                     |
| e) Strength :                                                                     |                           |                           |
| 1. Non-reinforced :                                                               |                           |                           |
| a) 10" nominal size and under                                                     | 93.17                     | 102.49                    |
| b) Over 10" to 18" nominal size                                                   | 133.10                    | 146.41                    |
| 2. Reinforced :                                                                   |                           |                           |
| a) 24" nominal size and under                                                     | 186.34                    | 204.97                    |
| b) Over 24" to 30" nominal size                                                   | 239.58                    | 263.54                    |
| c) Over 30" to 42" nominal size                                                   | 292.82                    | 322.10                    |
| d) Over 42" to 60" nominal size                                                   | 346.06                    | 380.67                    |

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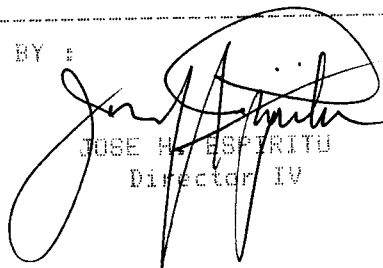
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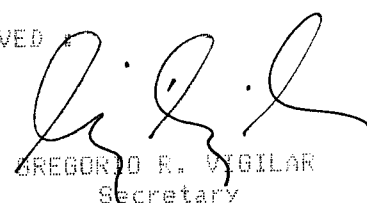
# DPWH RATES OF FEES AND CHARGES

| KIND OF TEST/SERVICE                                                          | EXISTING RATES<br>OF DPWH | NEW PROPOSED<br>DPWH RATE |
|-------------------------------------------------------------------------------|---------------------------|---------------------------|
| 4. Masonry building units and paving blocks :                                 |                           |                           |
| a) Complete tests for 10-units sample of concrete and clay hollow blocks      | 605.00                    | 665.50                    |
| b) Compressive strength                                                       | 54.45                     | 59.90                     |
| c) Moisture content                                                           | 53.24                     | 58.56                     |
| d) Water absorption and moisture content                                      | 66.55                     | 73.21                     |
| e) Water absorption and coefficient saturation                                | 93.17                     | 102.49                    |
| f) Dimension measurement                                                      | 39.93                     | 43.92                     |
| g) Flexural strength                                                          | 66.55                     | 73.21                     |
| 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 | 119.79                    | 131.77                    |
| 2. Slabs 4 cm x 50 cm x 50 cm maximum nominal size per unit                   | 66.55                     | 73.21                     |
| 6. Asbestos Cement Sheets :                                                   |                           |                           |
| a) Flexural strength :                                                        |                           |                           |
| 1. Flat sheets, per 3 standard test specimen or less                          | 106.48                    | 117.13                    |
| 2. For each additional standard test specimen                                 | 39.93                     | 43.92                     |
| 3. Corrugated sheets per 3 standard test specimens or less                    | 133.10                    | 146.41                    |
| 4. For each additional standard test specimen                                 | 39.93                     | 43.92                     |
| b) Water absorption :                                                         |                           |                           |
| 1. For 3 standard test specimens                                              | 133.10                    | 146.41                    |
| 2. For each additional standard test specimen                                 | 39.93                     | 43.92                     |
| 7. Asbestos Cement Pipes :                                                    |                           |                           |
| a) Crushing strength :                                                        |                           |                           |
| 1. 10" nominal size and under                                                 | 93.17                     | 102.49                    |
| 2. Over 10" to 18" nominal size                                               | 133.10                    | 146.41                    |
| 3. Over 18" to 30" nominal size                                               | 186.34                    | 204.97                    |
| b) Flexural strength for pipes 8" nominal size and under                      | 93.17                     | 102.49                    |

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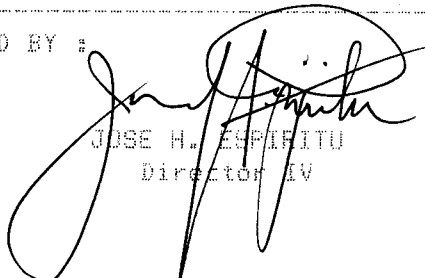
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Secretary

DPWH RATES OF FEES AND CHARGES

| KIND OF TEST/SERVICE                                                                                   | EXISTING RATES<br>OF DPWH | NEW PROPOSED<br>DPWH RATE |
|--------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|
| VIII. FERROUS AND NON-FERROUS METAL AND ALLIED PRODUCTS                                                |                           |                           |
| 1. Steel Bars for complete reinforcement                                                               |                           |                           |
| a) Complete test:                                                                                      |                           |                           |
| 1. For plain bars                                                                                      | 372.68                    | 409.95                    |
| 2. For deformed bars                                                                                   | 425.92                    | 468.51                    |
| b) Tensile properties                                                                                  | 84.70                     | 93.17                     |
| c) Bending properties                                                                                  | 53.24                     | 58.56                     |
| d) Deformation measurement                                                                             | 53.24                     | 58.56                     |
| e) Variation in weight                                                                                 | 39.93                     | 43.92                     |
| 2. Cast iron pipes and centrifugally cast pipes :                                                      |                           |                           |
| a) Hydraulic test cast iron soil pipes                                                                 | 186.34                    | 204.97                    |
| b) Hydrostatic test with test pressure over 50 psi up to 1000 psi for pipes 10" nominal size and under | 266.20                    | 292.82                    |
| c) Flexural strength standard test bars, A, B & C                                                      | 133.10                    | 146.41                    |
| d) Tensile properties prepared standard test specimen                                                  | 133.10                    | 146.41                    |
| e) Dimension measurement                                                                               | 39.93                     | 43.92                     |
| f) Chemical analysis:                                                                                  |                           |                           |
| 1. Sulfur content                                                                                      | 186.34                    | 204.97                    |
| 2. Phosphorous content                                                                                 | 133.10                    | 146.41                    |
| 3. Steel Pipes :                                                                                       |                           |                           |
| a) Hydrostatic test with test pressure over 50 psi up to 1000 psi for pipes 10" nominal size and under | 266.20                    | 292.82                    |
| b) Dimension measurement                                                                               | 39.93                     | 43.92                     |
| c) Weight determination                                                                                | 39.93                     | 43.92                     |
| d) Weight of zinc coating                                                                              | 266.20                    | 292.82                    |
| e) Thickness or uniformity of coating by Preece test method                                            | 186.34                    | 204.97                    |

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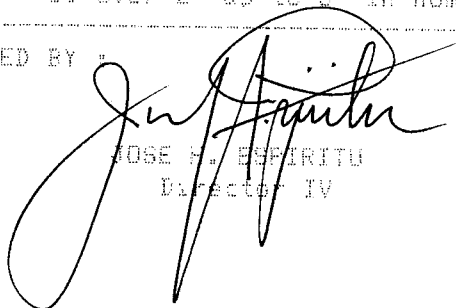
  
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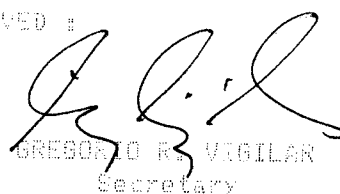
# DPWH RATES OF FEES AND CHARGES

| KIND OF TEST/SERVICE                                                | EXISTING RATES<br>OF DPWH | NEW PROPOSED<br>DPWH RATE |
|---------------------------------------------------------------------|---------------------------|---------------------------|
| 4. Wire and wire ropes :                                            |                           |                           |
| a) Tensile properties for wire from<br>Gage 10 up                   | 93.17                     | 102.49                    |
| b) Ductility of wire                                                | 93.17                     | 102.49                    |
| c) Adherence of coating                                             | 93.17                     | 102.49                    |
| d) Uniformity of coating by Preece<br>Test Method                   | 93.17                     | 102.49                    |
| e) Weight of zinc coating                                           | 133.10                    | 146.41                    |
| f) Breaking strength of wire ropes:                                 |                           |                           |
| 1. 1/2" nominal size and under                                      | 186.34                    | 204.97                    |
| 2. Over 1/2" to 1" nominal size                                     | 266.20                    | 292.82                    |
| g) Dimension measurement                                            | 39.93                     | 43.92                     |
| 5. Standard Test Specimens and<br>Miscellaneous Metal Products :    |                           |                           |
| a) Tensile properties prepared test<br>specimen                     | 199.65                    | 219.62                    |
| b) Hardness test, Brinell or Rockwell:                              |                           |                           |
| 1. For the first specimen                                           | 93.17                     | 102.49                    |
| 2. For each additional specimen                                     | 39.93                     | 43.92                     |
| c) Impact test, Charpy, Izod or<br>Tension prepared test specimen : |                           |                           |
| 1. For the first test specimen                                      | 93.17                     | 102.49                    |
| 2. For each additional test<br>specimen                             | 39.93                     | 43.92                     |
| d) Wheelbarrow check test                                           | 266.20                    | 292.82                    |
| e) Cast iron manhole frame and<br>cover check test                  | 266.20                    | 292.82                    |
| f) Load test, hydraulic jacks, not<br>over 50 tones capacity        | 1331.00                   | 1464.10                   |
| g) Chemical analysis per element<br>sulfur                          | 133.10                    | 146.41                    |
| IX. MISCELLANEOUS MATERIALS (MECHANICAL)                            |                           |                           |
| 1. Fiber ropes :                                                    |                           |                           |
| a) Tensile strength :                                               |                           |                           |
| 1. For ropes 1" in nominal size<br>and under                        | 133.10                    | 146.41                    |
| 2. Over 2" up to 2" in nominal size                                 | 186.34                    | 204.97                    |
| 3. Over 2" up to 3" in nominal size                                 | 266.20                    | 292.82                    |

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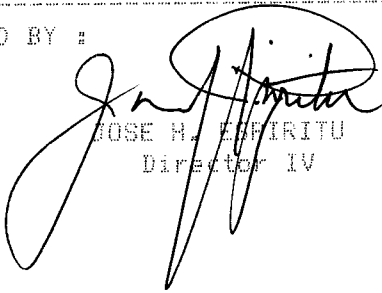
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Secretary

# DPWH RATES OF FEES AND CHARGES

| KIND OF TEST/SERVICE                                                                 | EXISTING RATES<br>OF DPWH | NEW PROPOSED<br>DPWH RATE |
|--------------------------------------------------------------------------------------|---------------------------|---------------------------|
| X. SPECIAL TESTS                                                                     |                           |                           |
| 1. Verifications of testing machines by means of standard proving rings :            |                           |                           |
| a) Testing machines with capacity range of 2,000 lb and under per range              | 931.78                    | 1024.87                   |
| b) Over 2,000 lb up to 20,000 lb per range                                           | 2129.60                   | 2342.56                   |
| c) Over 20,000 lb up to 200,000 lb per range                                         | 3993.00                   | 4392.30                   |
| d) Over 200,000 lb up to 400,000 lb per range                                        | 5324.00                   | 5856.40                   |
| 2. Additional charges for verification and calibration tests 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 lb                                   | 186.34                    | 204.97                    |
| 2. Proving rings with loading capacity of 20,000 lb                                  | 266.20                    | 292.82                    |
| 3. Proving rings with loading capacity of 200,000 lb                                 | 452.54                    | 497.79                    |

SUBMITTED BY :

  
JOSE M. ESPIRITU  
Director IV

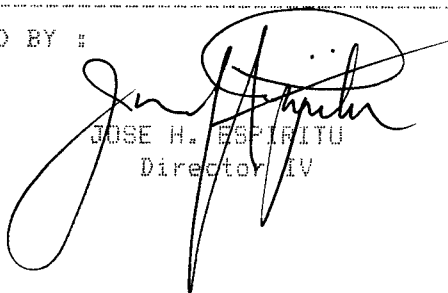
APPROVED :

  
GREGORIO R. VIGILANTE  
Secretary

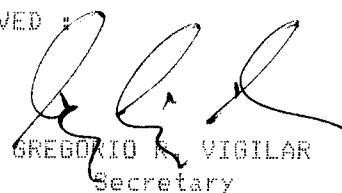
# DPWH RATES OF FEES AND CHARGES

| KIND OF TEST/SERVICE                                                                                           | EXISTING RATES<br>OF DPWH | NEW PROPOSED<br>DPWH RATE |
|----------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|
| XI. MISCELLANEOUS SERVICES                                                                                     |                           |                           |
| 1. Plate Bearing Test and/or Subgrade Modulus Determination (K Value Uncorrected), fixed charge up to 100 tons | 2129.60                   | 2342.56                   |
| 2. Load Test on Piles, fixed charge up to 100 tons                                                             | 3726.60                   | 4099.48                   |
| 3. Resistivity Test :                                                                                          |                           |                           |
| a) Rental of equipment, per day or fraction thereof                                                            | 452.54                    | 497.79                    |
| 4. Concrete Core Drilling                                                                                      |                           |                           |
| a) Rental of equipment, per day or fraction thereof                                                            | 239.58                    | 263.54                    |
| b) Per core drilled                                                                                            | 452.54                    | 497.79                    |
| XII. SUBSURFACE EXPLORATION                                                                                    |                           |                           |
| 1. Mobilization                                                                                                | 3000.00                   | 3300.00                   |
| 2. Demobilization                                                                                              | 3000.00                   | 3300.00                   |
| 3. Drilling through                                                                                            |                           |                           |
| a) Ordinary Soil, per Linear Meter                                                                             | 500.00                    | 550.00                    |
| b) Gravel/Rocks, Using NQ bit, per Linear Meter                                                                | 1000.00                   | 1100.00                   |
| 4. Hole to Hole Transfer, per move                                                                             | 1000.00                   | 1100.00                   |

SUBMITTED BY :

  
JOSE H. ESPIRITU  
Director IV

APPROVED :

  
GREGORIO K. VIGILAR  
Secretary