



## SCOPE OF WORKS

| ITEM NO. | PROGRAM OF WORKS | QTY | UNIT | ESTIMATE DIRECT COST | ESTIMATE DIRECT COST |        | TOTAL MARK-UP % | VALUE = 5x8 | VAT = 5% x (5+9) | TOTAL INDIRECT COST | TOTAL COST = 5+11 | UNIT COST = 12/3 |
|----------|------------------|-----|------|----------------------|----------------------|--------|-----------------|-------------|------------------|---------------------|-------------------|------------------|
|          |                  |     |      |                      | OCM                  | PROFIT |                 |             |                  |                     |                   |                  |
| 1        | 2                | 3   | 4    | 5                    | 6                    | 7      | 8               | 9           | 10               | 11                  | 12                | 13               |

### A. GENERAL REQUIREMENTS

|       |   |      |      |   |   |   |   |   |   |   |   |   |
|-------|---|------|------|---|---|---|---|---|---|---|---|---|
| A.1.1 | Permits and Clearances (including Legworks, Payments, Processing, Signing, Sealing and Designing Analysis for Geodetic, Structural, Electrical, Plumbing, Fire Protection, Mechanical, and Electronics) | 1.00 | I.s. | P | P | P | P | P | P | P | P | P |
| A.1.2 | Facilities for Engineers (Field Office in Convan, 3 pcs Office Table, 3 pcs Office chairs, 1 Laptop, 1 Printer, and 1 Aircon Unit)  | 1.00 | I.s. | P | P | P | P | P | P | P | P | P |
| A.1.3 | Maintenance and Operating Expenses for Temporary Facilities   | 1.00 | I.s. | P | P | P | P | P | P | P | P | P |
| B.9   | Mobilization and Demobilization (including G.I. Sheet Rib - Type Board - Up)  | 1.00 | I.s. | P | P | P | P | P | P | P | P | P |
| B.7   | Occupational Safety and Health  | 1.00 | I.s. | P | P | P | P | P | P | P | P | P |
| B.5   | Project Billboard   | 2.00 | each | P | P | P | P | P | P | P | P | P |

### B. EARTHWORKS

|         |  |        |        |   |   |   |   |   |   |   |   |   |
|---------|--|--------|--------|---|---|---|---|---|---|---|---|---|
| 803(1)a | Structure Excavation(common soil)          | 95.40  | cu.m.  | P | P | P | P | P | P | P | P | P |
| 804(1)b | Embankment from Common Borrow by Equipment | 517.39 | cu.m   | P | P | P | P | P | P | P | P | P |
| 1000(1) | Soil Poisoning                             | 71.00  | Liters | P | P | P | P | P | P | P | P | P |

**C. TEMPORARY ACCESS ROAD**

|         |                       |       |       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------|-----------------------|-------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1708(1) | Aggregate Base Course | 35.94 | c.u.m | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
|---------|-----------------------|-------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**D. STRUCTURAL WORKS**

|          |  |          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------|--|----------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 901(1)   | Lean Concrete  | 65.00    | c.u.m. | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 902(1)b  | Reinforcing Steel of Reinforced Concrete Structures (Deformed)       | #####    | kgs    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 903(2)   | Formworks and Falseworks   | 3,887.03 | sq.m.  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 900(1)a1 | Structural Concrete  | 607.91   | c.u.m. | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1052(14) | Pre-cast Concrete Piles, Driven (400mm x 400mm- Type A) soft strata  | 1,840.00 | l.m    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1052(5)a | Precast, Prestressed Concrete Piles, furnished (400mmx400mm)         | 1,840.00 | l.m    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1052(16) | Test Piles, Furnished and Driven (400mm x 400mm- Type A) soft strata | 20.00    | l.m    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1047(2)a | Structural Steel Trusses, Purlins, Sagrods                           | 861.33   | kg     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |

**E. ARCHITECTURAL WORKS**

|         |   |          |       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------|---|----------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1014    | 0.5mm thick Pre-painted Rib Type long span Metal Sheet Roofing                        | 35.00    | sq.m. | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1046(3) | Drywall Partition on Metal Studs and 6mm thick Ficeboard                              | 54.00    | sq.m. | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1013(2) | Fabricated Metal roofing Accessories (ridge/fascia/endwall flashing/end cap flashing) | 49.80    | l.m   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1046(1) | 150mm thk. CHB Non-Load Bearing for Exterior Walls (including reinforcing steel)      | 952.26   | sq.m  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1046(2) | 100mm thk. CHB Non-Load Bearing for Interior Walls (including reinforcing steel)      | 675.84   | sq.m  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1027    | Cement Plaster Finish 1/2"thk Plain cement plastering both faces                      | 3,256.20 | sq.m. | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |



|           |   |          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------|---|----------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1003(1)   | Ceiling (4.5mm thick Fiber Cement on Metal Frames)  | 243.55   | sq.m.  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1032(1)a  | Painting Works (masonry walls)  | 3,256.20 | sq.m.  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1032(1)b  | Painting Works (Metal painting)   | 265.00   | sq.m.  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1016(1)b  | Liquid Water Proofing (CEMENTITIOUS)  | 622.67   | sq.m.  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1016(1)b1 | Liquid Water Proofing (FOOD GRADE)  | 45.40    | sq.m.  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1032(1)c  | Painting Works ( Fibercement Board)   | 351.55   | sq.m.  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1004(b)   | Stair Strips (heavy duty embedded ). non-slip   | 52.00    | l.m    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1021(3)b  | Smooth Trowelled Finished Concrete Flooring   | 1,227.00 | sq.m.  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1026(1)   | Doors (steel door and jambs)  | 87.32    | sq.m.  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1018(8)   | Countertop with Complete Accessories  | 15.30    | sq.m.  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002(29)  | Metal Works for Hallway & Stair Railings and Stair Louvers (Stainless Steel, Square Tube, Flat Bar) | 271.00   | length | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1003(18)  | HPL Toilet Phenolic Partition (including accessories to complete)                                   | 131.10   | sq.m.  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002(18)  | Stainless Steel Grab Bar, 40mm diameter   | 12.00    | l.m    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1012(7)   | Glass and Glazing in Powder Coated Aluminum Frames combination of Fixed and Awning Windows          | 85.20    | sq.m.  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1032(8)b  | Fair-faced/rubbed concrete finished-painted   | 839.16   | sq.m   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1004(2)   | Finishing Hardwares (handles,hinges,latches & other items to complete)                              | 1.00     | l.s    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1034(1)b  | Damp Proofing (Polythylene Sheet)   | 495.00   | sq.m   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1018      | (FF-3 ) 600X600 NON-SKID CERAMIC TILES IN GRAY SHADE  | 664.50   | sq.m   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |

**F. ELECTRICAL WORKS**

|                                       |  |          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------|--|----------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1100(6)                               | 20mmØ to 25mmØ Polyvinyl Chloride (PVC) Pipes  | 745.00   | length | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1100(7)                               | 40mmØ to 63mmØ Polyvinyl Chloride (PVC) Pipes  | 27.00    | length | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1101(6)a                              | 65mmØ Intermediate Metal Conduit (IMC)   | 3.00     | length | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1100(1)                               | Cable Tray   | 28.00    | I.s    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1100(9)                               | PVC/RSC/IMC/EMT Conduit Fittings   | 1.00     | I.s    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1100(11)                              | Junction/ Utility/ Pull/ Square Box  | 1.00     | I.s    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1101(1)a                              | 3.5 mm <sup>2</sup> - 5.5 mm <sup>2</sup> THHN/THWN Stranded Copper Wire                                 | 6,572.85 | m      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1101(1)b                              | 8.0mm <sup>2</sup> , 14.0mm <sup>2</sup> , and 14.0mm <sup>2</sup> THHN/THWN Stranded Copper Wire        | 447.00   | m      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1101(1)c                              | 60.0 mm <sup>2</sup> THHN/THWN Stranded Copper Wire  | 18.00    | m      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1101(1)d                              | 80.0 mm <sup>2</sup> , 100 mm <sup>2</sup> , and 125mm <sup>2</sup> THHN/THWN Stranded Copper Wire       | 675.00   | m      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1102(1)                               | DBP (Distribution Panel Board) w/ Main Breaker and Branches. 600AT                                       | 1.00     | set    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1102(1)a                              | Main Circuit Breaker (MCB), 630AT  | 1.00     | set    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1102 (1)b                             | Panel Board with Main Breakers and Branches (PB1, PB2, PB3)  | 3.00     | set    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1102 (1)e                             | Service Entrance, First private pole, XLPE Wires, Concrete Pedestal, including all necessary accessories | 1.00     | I.s.   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1101(15)                              | Duplex Outlets / Simplex Outlets   | 133.00   | pcs    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1101(33)                              | Switches   | 38.00    | pcs    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1103 (1)                              | Lighting Fixtures (including emergency lights)   | 227.00   | pcs    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1109 (4)                              | Grounding System   | 1.00     | I.s.   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| <b>G. PLUMBING AND SANITARY WORKS</b> |  |          |        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1001 (1)a                             | 50mmØ - 150mmØ PVC Pipe, Series 1000   | 941.00   | m      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |

|            |   |        |      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------|---|--------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1001 (1)b  | PVC Fittings, Series 1000   | 1.00   | I.S  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002(2)a   | 25mmØ - 63mmØ Polypropylene Random Copolymer (PPR-C) Pipes, PN20  | 117.00 | pcs  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002(2)b   | Polypropylene Random Copolymer (PPR-C) Fittings - (all fittings necessary to complete the works to its intended purposes) | 1.00   | ls   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002(2)c   | Hangers and Support   | 1.00   | ls   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002(21)   | Water Meter and Valves (Check / Gate / Foot / Float)  | 41.00  | pcs  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002 (6)   | Urinal  | 9.00   | set  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002 (14)  | Lavatory with Complete Accessories  | 12.00  | set  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002 (16)  | Floor Drain   | 44.00  | set  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002 (16)a | Roof Drain  | 7.00   | set  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002 (16)b | Floor and Ceiling Cleanout  | 27.00  | set  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002(17)   | Hose Bibb / Faucet  | 19.00  | set  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002 (5)   | Water Closet with Complete Accessories  | 12.00  | set  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002(19)   | Shower Head w/ Valve  | 12.00  | set  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002 (20)a | Stainless Steel Water Tank (5.000 Liters)   | 2.00   | set  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1002 (23)  | Transfer Pumps and Booster Pump with pressure tank, controllers and complete accessories                                  | 3.00   | set  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1001 (5)   | Catch Basin   | 7.00   | set  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1001 (6)   | Septic Tank   | 1.00   | I.S  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1001 (7)   | Cistern Tank  | 1.00   | I.S. | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |

**H. ELECTRONIC WORKS**

|         |  |        |        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------|--|--------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1105(3) | 20mmØ - 32mmØ Polyvinyl Chloride (PVC) Pipes | 422.00 | length | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
|---------|--|--------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

|                   |                                      |        |        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------|--------------------------------------|--------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1105(4)           | 63mmØ Polyvinyl Chloride (PVC) Pipes | 20.00  | length | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1100(9)a          | PVC/RSC/IMC/EMT Conduit Fittings     | 1.00   | ls     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1100(9)b          | Junction/ Utility/ Pull/ Square Box  | 1.00   | l.s.   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1105 (2)          | TF Wire                              | 271.00 | m      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1104 (2)          | Smoke Detector (Ceiling Mounted)     | 19.00  | pcs    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 1104 (2)a         | FACP/Horn Strobe/manual Pull Station | 7.00   | pcs    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| <b>OVER TOTAL</b> |                                      |        |        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |

