

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	l.s.	1.00	P	P	P	P	P	P	P	P	P
A.1.1(13)	Construction of Office Engineer	l.s.	1.00	P	P	P	P	P	P	P	P	P
A.1.1(16)	Operation & Maintenance of Field Office for the Engineer	l.s.	1.00	P	P	P	P	P	P	P	P	P
B.9	Mobilization and Demobilization	l.s.	1.00	P	P	P	P	P	P	P	P	P
B.7	Occupational Safety and Health	l.s.	1.00	P	P	P	P	P	P	P	P	P
B.5	Project Billboard	each	2.00	P	P	P	P	P	P	P	P	P
B. EARTHWORKS												
803(1)a	Structure Excavation (Common Soil)	cu.m.	2,413.65	P	P	P	P	P	P	P	P	P
804(1)a	Embankment from structure excavation	cu.m.	2,413.65	P	P	P	P	P	P	P	P	P
804(1)b	Embankment from Common Borrow by equipment	cu.m.	4,750.81									
804(4)	Gravel Bedding	cu.m.	4.75	P	P	P	P	P	P	P	P	P
1000(1)	Soil Poisoning	liters	47.89	P	P	P	P	P	P	P	P	P
C. STRUCTURAL WORKS												
901(1)	Lean Concrete	cu.m.	52.40	P	P	P	P	P	P	P	P	P
902(1)b	Reinforcing Steel of Reinforced Concrete Structures (Deformed)	kgs	156,435.06	P	P	P	P	P	P	P	P	P
903(2)	Formworks and Falseworks	sq.m.	3,117.06	P	P	P	P	P	P	P	P	P
900(1)a1	Structural Concrete	cu.m.	536.04	P	P	P	P	P	P	P	P	P
1052(5)b	Precast, Prestressed Concrete Piles, furnished (450 mm x 450 mm)	l.m	980.00	P	P	P	P	P	P	P	P	P

1052(15)a	Precast Prestressed Concrete Piles, driven (hard strata)	l.m	980.00	P	P	P	P	P	P	P	P	P
1052(16)b	Test Piles, furnished and driven (type A, B, C, or D), hard strata	l.m	10.00	P	P	P	P	P	P	P	P	P
1034(1)	Damproofing (Polyethylene Sheets)	sq.m.	1,100.00	P	P	P	P	P	P	P	P	P
D. ARCHITECTURAL WORKS												
1046(1)	150mm thk. CHB Non-Load Bearing for Exterior Walls (including reinforcing steel)	sq.m	498.75	P	P	P	P	P	P	P	P	P
1027	Cement Plaster Finish 1/2"thk Plain cement plastering both faces	sq.m	997.51	P	P	P	P	P	P	P	P	P
1003(1)a2	Ceiling (4.5mm thick Fiber Cement on Metal Frames)	sq.m	27.50	P	P	P	P	P	P	P	P	P
1003(1)e1	Ceiling (4.5mm thick Moisture Resistance Gypsum Board on Metal Frames)	sq.m	278.81	P	P	P	P	P	P	P	P	P
1003(1)g1	Ceiling (uPVC Soffit on Metal Frames)	sq.m	100.36	P	P	P	P	P	P	P	P	P
1032(1)a	Painting Works (masonry/concrete)	sq.m	953.06	P	P	P	P	P	P	P	P	P
1016(1)a	Water Proofing Cement-Base	sq.m	232.91	P	P	P	P	P	P	P	P	P
1021(3)b	Smooth Trowelled Finished Concrete Flooring	sq.m	351.90	P	P	P	P	P	P	P	P	P
1018(2)	Non-Skid Porcelain Floor Tiles, 60cm. X 60cm. Pearl Grey Stone	sq.m	23.70	P	P	P	P	P	P	P	P	P
1021(1)	Sand Wash/ Exposed Aggregate Concrete Flooring (Fine)	sq.m	125.13	P	P	P	P	P	P	P	P	P
1051(5)	Metal Works for Stair, Ramp, Hallway Railings, and Latticeworks (2" Stainless Steel 304, 1/4" x 2" Flat Bar, 2" x 4" Rectangular Tube)	l.m	79.20	P	P	P	P	P	P	P	P	P
1006(5)	Single Leaf Solid Core Wooden Door	sq.m	1.93	P	P	P	P	P	P	P	P	P
1007(1)	Aluminum Framed Tempered Glass Door (Single-Leaf)	sq.m.	2.70	P	P	P	P	P	P	P	P	P
1012(3)b	Frameless Tempered Glass Door (Single-Leaf)	sq.m	9.45	P	P	P	P	P	P	P	P	P
1010(2)b1	Solid Core Wooden Door with Frosted Clear Overlay Vision Panel (complete accessories)	sq.m	7.74	P	P	P	P	P	P	P	P	P
1010(2)b2	Solid Core Flush Type Wooden Door with Stainless Steel Kickplate in Hairline Finish (Double-Leaf)	sq.m	3.36	P	P	P	P	P	P	P	P	P
1010(2)b3	Louvered Steel Door (Double Leaf)	sq.m	2.80	P	P	P	P	P	P	P	P	P
1012(3)	Concealed Tempered Glass Sliding Door - 7 Panel (complete accessories)	sq.m.	18.46	P	P	P	P	P	P	P	P	P
1012(6)	Tempered Glass (Fixed Window)	sq.m.	49.76	P	P	P	P	P	P	P	P	P

1012(6)	Anneled Glass (Fixed, Casement, Awning, Sliding, Louvered Window)	sq.m.	87.79	P	P	P	P	P	P	P	P	P	P
E. ELECTRICAL WORKS													
1100(6)a	20mm dia - 32mm dia Polyvinyl Chloride Pipes (PVC/uPVC)	length	328.00	P	P	P	P	P	P	P	P	P	P
1100(6)d	40mm dia - 63mm dia Polyvinyl Chloride Pipes (PVC/uPVC)	length	19.00	P	P	P	P	P	P	P	P	P	P
1100(6)g	75mm dia - 90mm dia Polyvinyl Chloride Pipes (PVC/uPVC)	length	112.00	P	P	P	P	P	P	P	P	P	P
1101(2)b2	3.5mm2 - 5.5mm2 Electric Wire (TW/THHN/THWN2)	m.	3,903.00	P	P	P	P	P	P	P	P	P	P
1101(2)b4	8.0mm2 - 22mm2 Electric Wire (TW/THHN/THWN2)	m.	243.00	P	P	P	P	P	P	P	P	P	P
1101(2)b7	30mm2 - 38mm2 Electric Wire (TW/THHN/THWN2)	m.	421.00	P	P	P	P	P	P	P	P	P	P
1101(2)b9	50mm2 - 60mm2 Electric Wire (TW/THHN/THWN2)	m.	108.00	P	P	P	P	P	P	P	P	P	P
1101(2)b14	150mm2 -250mm2 Electric Wire (TW/THHN/THWN2)	m.	1,089.00	P	P	P	P	P	P	P	P	P	P
1100(5)c	20mm dia - 32mm dia Rigid Type Flexible Non-Metallic Conduit	length	146.00	P	P	P	P	P	P	P	P	P	P
1100(9)	PVC/RSC/IMC/EMT Conduit Fittings and Accessories	l.s	1.00	P	P	P	P	P	P	P	P	P	P
1100(8)	Junction Box/Pull Box/Utility Box/Square Box/Wire Gutter	l.s	1.00	P	P	P	P	P	P	P	P	P	P
1111(5)	Electrical Handhole/Manhole	l.s	1.00	P	P	P	P	P	P	P	P	P	P
1102(10)	Single Phase Pole Mounted Distribution Transformer (OISC) with Complete Accessories	sets	3.00	P	P	P	P	P	P	P	P	P	P
1102(1)	Panel Board with Main & Branch Breakers with Accessories	sets	5.00	P	P	P	P	P	P	P	P	P	P
1101(15)	Simplex and Duplex Wall/Floor Tamper-Resistant Receptacle (TRR) Universal Convenience Outlet	pcs.	38.00	P	P	P	P	P	P	P	P	P	P
1101(18)	Simplex and Duplex Wall/Floor Tamper-Resistant Receptacle (TRR) Universal Convenience Outlet with Weatherproof Cover	pcs.	2.00	P	P	P	P	P	P	P	P	P	P
1101(26)	Simplex and Duplex Wall/Floor Tamper-Resistant Receptacle (TRR) Universal Convenience Outlet with Ground Fault Circuit Interrupter (GFCI)	pcs.	2.00	P	P	P	P	P	P	P	P	P	P
1101(3)	Switches	pcs.	20.00	P	P	P	P	P	P	P	P	P	P
1103(1)	Lighting Fixtures and Lamps with Exit and Emergency Lights	pcs.	139.00	P	P	P	P	P	P	P	P	P	P
1200(2)c	Ceiling Fan	sets	4.00	P	P	P	P	P	P	P	P	P	P

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1109(1)	Grounding System with Ground Rod and Accessories	l.s	1.00	P	P	P	P	P	P	P	P	P
1111(6)	Cable Ladder/Cable Tray with Accessories	l.s	1.00	P	P	P	P	P	P	P	P	P
F. ECE WORKS												
1105(14)	Data Outlets and Telephone Outlets (Duplex / Simplex)	pcs.	2.00	P	P	P	P	P	P	P	P	P
1208(2)	Smoke Detector (Circuitry)	l.s	1.00	P	P	P	P	P	P	P	P	P
1106(1)	CCTV System (Circuitry)	l.s	1.00	P	P	P	P	P	P	P	P	P
1105(1)	Data, CCTV, and Telephone Cable	l.m	50.00	P	P	P	P	P	P	P	P	P
G. MECHANICAL WORKS and FIRE PROTECTION WORKS												
1201(5)a	Fire Extinguisher (Including Bracket)	set/s	9.00	P	P	P	P	P	P	P	P	P
1200(13)a	Split-Type Air Conditioning Unit (Wall Mounted, Ceiling Suspended)	set/s	4.00	P	P	P	P	P	P	P	P	P
1200(13)a1	Split-Type Air Conditioning Unit (Tube line & Wiring)	l.s	1.00	P	P	P	P	P	P	P	P	P
1202(5)	Fire Hose Cabinet Assembly (w/ Complete Accessories)	set/s	1.00	P	P	P	P	P	P	P	P	P
1202(1)	Sprinkler Head (Upright, Pendent, Sidewall)	pc/s	45.00	P	P	P	P	P	P	P	P	P
1202	Alarm Check Valve/Gate Valve/Check Valve/Flow Meter/OS&Y Gate Valve/Pressure Gauge/Pressure Relief Valve/Floor Control Valve/Inspector Test Valve/Inspector Test Connection/Mechanical Coupling/Flexible Connector and other required valves & connectors - Complete Assembly as required by the code	l.s	1.00	P	P	P	P	P	P	P	P	P
1202(2)c	25mmØ-50mmØ BI Pipe Schd.40	length	23.40	P	P	P	P	P	P	P	P	P
1202(2)d	65mmØ-150mmØ BI Pipe Schd.40	length	9.00	P	P	P	P	P	P	P	P	P
1202(2)e	BI Fittings (Elbow/Tee/Reducer/Flanges/Riser Nipple/Threadolet/Pipe Cap/Pipe Sleeves/other fittings as required by the code)	l.s	1.00	P	P	P	P	P	P	P	P	P
1201(3)a	Hangers, Supports, Consumables, Miscellaneous	l.s	1.00	P	P	P	P	P	P	P	P	P
1202(7)	Fire Department Connection 100mmØ x 65mmØ x 65mmØ w/ Cap and Chain	l.s	1.00	P	P	P	P	P	P	P	P	P
H. PLUMBING AND SANITARY WORKS												

1001 (1)a5	PVC Pipes Vertical (Branch) And Horizontal	length	152.31	P	P	P	P	P	P	P	P	P
1001 (10)	Polyvinyl Chloride (PVC) Fittings, Series 1000	l.s	1.00	P	P	P	P	P	P	P	P	P
1002(2)b3	Polypropylene Random Copolymer (PPR-C) Pipes, PN20	pcs.	56.22	P	P	P	P	P	P	P	P	P
1002(2)b4	Polypropylene Random Copolymer (PPR-C) Fittings	l.s	1.00	P	P	P	P	P	P	P	P	P
1002(23)	Water Meter and Valves (Check / Gate / Foot / Float)	pcs.	7.00	P	P	P	P	P	P	P	P	P
1002 (9)	Urinal with complete accessories	sets	2.00	P	P	P	P	P	P	P	P	P
1002 (14)	Lavatory with Complete Accessories	sets	6.00	P	P	P	P	P	P	P	P	P
1002 (16)	Floor Drain	sets	8.00	P	P	P	P	P	P	P	P	P
1002 (16)b	Floor Cleanout	sets	2.00	P	P	P	P	P	P	P	P	P
1017(3)	Deck Drain with Strainer	sets	20.00	P	P	P	P	P	P	P	P	P
1002(22)	Hose Bibb / Faucet	sets	2.00	P	P	P	P	P	P	P	P	P
1002 (5)	Water Closet with Complete Accessories	sets	5.00	P	P	P	P	P	P	P	P	P
1001 (5)	Catch Basin (60x60)	each	8.00	P	P	P	P	P	P	P	P	P
1001(3)	200mmØ Reinforced Concrete Culvert	m.	52.30	P	P	P	P	P	P	P	P	P
1002(26)	Cistern Tank	cu.m	39.59	P	P	P	P	P	P	P	P	P
1001(11)	Concrete Septic Vault	each	1.00	P	P	P	P	P	P	P	P	P
TOTAL				P	P	P	P	P	P	P	P	P