



UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES  
 Abulid | Balabai | Cagayan de Oro | Cavaera | Jasaan | Orongcota | Pandan | Villanueva

OFFICE OF THE BIDS AND AWARDS COMMITTEE II

## SCOPE OF WORKS

ITEM NO.	PROGRAM OF WORKS	QTY	UNIT	ESTIMATE DIRECT COST	ESTIMATE DIRECT COST OCM	ESTIMATE DIRECT COST PROFIT	TOTAL MARK-UP %	VALUE = 5x8	VAT = 5% x (5+9)	TOTAL INDIRECT COST	TOTAL COST = 5+11	UNIT COST = 12/3
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>A. GENERAL REQUIREMENTS</b>												
A.1.1	Permits and Clearances	1.00	l.s.	P	P	P	P	P	P	P	P	P
A.1.1(13)	Construction of Office Engineer	1.00	l.s.	P	P	P	P	P	P	P	P	P
A.1.1(16)	Operation & Maintenance of Field Office for the Engineer	1.00	l.s.	P	P	P	P	P	P	P	P	P
B.9	Mobilization and Demobilization	1.00	l.s.	P	P	P	P	P	P	P	P	P
B.7	Occupational Safety and Health	1.00	l.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>B. EARTHWORKS</b>												
803(1)a	Structure Excavation(common soil)	2,944.29	cu.m.	P	P	P	P	P	P	P	P	P
804(1)a	Embankment from structure excavation	2,944.29	cu.m.	P	P	P	P	P	P	P	P	P
804(1)b	Embankment from Common Borrow by equipment	807.36	cu.m.	P	P	P	P	P	P	P	P	P
1000(1)	Soil Poisoning	45.76	liters	P	P	P	P	P	P	P	P	P
<b>C. STRUCTURAL WORKS</b>												
901(1)	Lean Concrete	100.79	cu.m.	P	P	P	P	P	P	P	P	P
902(1)b	Reinforcing Steel of Reinforced Concrete Structures (Deformed)	211,297.18	kgs	P	P	P	P	P	P	P	P	P
903(2)	Formworks and Falseworks	4,411.82	sq.m.	P	P	P	P	P	P	P	P	P
900(1)a1	Structural Concrete	1,540.51	cu.m.	P	P	P	P	P	P	P	P	P
1034(1)	Dampproofing (Polyethylene Sheets)	1,100.00	sq.m.	P	P	P	P	P	P	P	P	P

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**D. ARCHITECTURAL WORKS**

1046(1)	150mm thk CHB Non-Load Bearing for Exterior & Interior Wall (including reinforcing steel)	2,293.33	sq.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1027(1)	Cement Plaster Finish 1/2"thk Plain cement plastering both faces	4,586.67	sq.m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1003(1)a2	Ceiling (4.5mm thick Fiber Cement on Metal Frames)	326.72	sq.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1032(1)a	Painting Works (masonry/concrete)	7,622.21	sq.m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1032(1)b	Painting Works (Fibercement Board)	326.72	sq.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1032(1)c	Painting Works (Metal Painting)	167.89	sq.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1032(2)	Varnishing	203.82	sq.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1016(1)b	Liquid Water Proofing (CEMENTITIOUS)	1,048.34	sq.m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1021(3)b	Smooth Trowelled Finished Concrete Flooring	886.08	sq.m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1018(2)	Unglazed Tiles	75.44	sq.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1018 (5)	Glazed Tiles	393.54	sq.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002(15)a	Countertop with Complete Accessories	8.91	sq.m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1003(2)	Wood Frame Blackboard	64.80	sq.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002(18)	Stainless Steel Grab Bar, 40mm diameter, Grade 304	5.00	Lm	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1009(1)a	Jalousie Window (complete accessories)	122.72	sq.m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1010(2)b	Wooded Panel Door (complete accessories)	76.86	sq.m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1012(3)b	Tempered Glass Door 12mmthk (complete accessories)	1.89	sq.m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002(7)	Facial Mirror	7.12	sq.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1012(6)	Glass and Glazing in Powder Coated Aluminum Frames combination of Fixed and Awning Windows	141.14	sq.m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1021(1)	Sand Wash Floor Finish with retarder	70.15	sq.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1003(22)	HPL Partitions on Toilet (complete accessories)	24.57	sq.m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1004(a)	Stair Nosing Aluminum Angle (non-slip)	113.02	Lm	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1004(2)	Finishing Hardwares (cabinet 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

1039(11)	Aluminum cladding	112.00	sq.m	P	P	P	P	P	P	P	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)	773.95	l.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1006(5)	Fire Rated Steel Door	3.78	sq.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

**E. ELECTRICAL WORKS**

1100(6)	20mmØ - 75mmØ Polyvinyl Chloride (PVC) Pipes	1,491.00	length	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1101(1)a	1.6mm2 - 5.5mm2 Electric Wire (TW/THHN/THWN2)	12,919.00	m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1101(1)b4	8.0mm2 - 22mm2 Electric Wire (TW/THHN/THWN2)	1,111.00	m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1101(1)b7	30mm2 - 38mm2 Electric Wire (TW/THHN/THWN2)	352.00	m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1101(1)b9	50mm2 - 60mm2 Electric Wire (TW,THHN,THWN2)	42.00	m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1101(1)b1	80mm2 - 125mm2 Electric Wire (TW/THHN/THWN2)	51.00	m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1101(1)b14	150mm2 -250mm2 Electric Wire (TW/THHN/THWN2)	642.00	m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1100(1)b	20mm dia - 80mm dia Rigid Steel (RSC) Pipes	91.00	length	P	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	l.s	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1100(10)	Box/Pull Box/Utility Box/Square Box/80mm dia entrance cap/16mm dia x 2.4 ground rod	1.00	l.s	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
624(9)	Underground Service Handhole with accessories including riser and service cap	1.00	l.s	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1102(11)	33KVA Single Phase Pole Mounted Distribution Transformer	3.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1102(1)	Panel board w/main and branches circuit breakers, and accessories (MCB,MDP,PBA,PBB,PBC,PBA01,SPB,ATS)	9.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1101(15)	Simplex/Duplex Universal convenience outlet, duple universal floor recessed convenience outlet, duplex universal weatherproof convenience outlet/LED Swivel Automatic Emergency Lights	260.00	pcs	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1101(3)	Lighting Switches	71.00	pcs	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1103(11)	Lighting Fixtures (including exit light and emergency lights)	286.00	pcs	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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1102 (23)	Surge Protection Device	1.00	1.s.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
<b>F. ECE WORKS</b>																			
1105(14)	Data Outlets and Telephone Outlets (Duplex / Simplex)	42.00	pcs	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1104(1)a	MDF/IDF Assembly	1.00	1.s.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1208(2)	Smoke Detector (Ceiling/Wall Mounted)	70.00	pcs	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1208(6)	FACP/Horn Strobe/Strobe Light/Manual Pull Station	3.00	pcs	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1106(1)	CCTV with DVR Assembly - complete accessories	4.00	pcs	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1105(3)	15mmØ Polyvinyl Chloride (PVC) Pipes and fittings	157.66	length	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	1.s.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1101(33)	TF Wire (for Smoke Detectors and Speakers)	201.38	1.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1105(1)	Data, CCTV, and Telephone Cable	1,970.70	1.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
<b>G. MECHANICAL WORKS and FIRE PROTECTION WORKS</b>																			
1202(6)	Fire Extinguisher (Including Bracket)	9.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1200(5)b	Exhaust Fan (Wall, Ceiling mounted)	15.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1200(13)a	Split-Type Air Conditioning Unit (Wall Mounted, Ceiling Suspended)	14.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1200(13)a1	Split-Type Air Conditioning Unit (Tube line & Wiring)	98.00	m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1202(5)	Fire Hose Cabinet Assembly (w/ Complete Accessories)	2.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1202(2)	25hp Fire Pump with Complete Control and Standard Accessories	1.00	set	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1202(3)	3hp Jockey Pump with Complete Control and Standard Accessories	1.00	set	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1202(1)	Sprinkler Head (Upright, Pendant, Sidewall)	1.00	1.s	P	P	P	P	P	P	P	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	1.00	1.s	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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1202 2 c	25mmØ-50mmØ BI Pipe Schd.40	60.00	lengths	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1202 2 d	65mmØ-150mmØ BI Pipe Schd.40	18.50	lengths	P	P	P	P	P	P	P	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)	1.00	1.5	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1201 3 a	Hangers, Supports, Consumables, Miscellaneous	1.00	1.5	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1202 7 1	Fire Department Connection 100mmØ x 65mmØ x 65mmØ w/ Cap and Chain	1.00	1.5	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

**H. PLUMBING AND SANITARY WORKS**

1001 (1) a5	50mm dia - 150mm dia Polyvinyl Chloride (PVC) Pipe, Series 1000	287.15	1.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1001 (1) 10	Polyvinyl Chloride (PVC) Fittings, Series 1000	1.00	1.5	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002 2 b3	Polypropylene Random Copolymer (PPR-C) Pipes, PN20	92.00	pcs.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002 2 b4	Polypropylene Random Copolymer (PPR-C) Fittings	1.00	1.5	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002 2 3	Water Meter and Valves (Check / Gate / Foot / Float)	19.00	pcs.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002 (9)	Urinal with complete accessories	3.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002 (14)	Lavatory with Complete Accessories	7.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002 (16)	Floor Drain	24.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002 (16)b	Floor Cleanout	17.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002 2 2	Hose Bibb / Faucet	5.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002 (5)	Water Closet with Complete Accessories	6.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1001 (5)	Catch Basin	14.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1001 3	200mmØ Concrete Pipe	78.80	m.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1002 (11)	Stainless Kitchen Sink with complete accessories	2.00	sets	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1001 1 1	Concrete Septic Vault	1.00	set	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
<b>TOTAL</b>			<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>