



**UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES**  
 Alubijid | Balubal | Cagayan de Oro | Claveria | Jasaan | Oroquieta | Panaon | 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		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
<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. STRUCTURAL WORKS</b>												
902(1)b	Reinforcing Steel of Reinforced Concrete Structures (Deformed)	200,453.20	kgs	P	P	P	P	P	P	P	P	P
903(2)	Formworks and Falseworks	6,035.23	sq.m.	P	P	P	P	P	P	P	P	P
900(1)a1	Structural Concrete	836.81	cu.m.	P	P	P	P	P	P	P	P	P
1047(2)a	Structural Steel - Truss	11,136.96	kg	P	P	P	P	P	P	P	P	P
1047(2)b	Structural Steel - Purlins	8,490.83	kg	P	P	P	P	P	P	P	P	P

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
1048(1)a	Metal Structure Accessories- Cross Bracing	2,325.28	kg	P	P	P	P	P	P	P	P	P
1048(1)b	Metal Structure Accessories- Bolts	338.00	pcs	P	P	P	P	P	P	P	P	P
1048(1)c	Metal Structure Accessories- Steel Plates	1,568.12	kg	P	P	P	P	P	P	P	P	P

**C. ARCHITECTURAL WORKS**

1032(1)a	Painting Works (masonry/concrete)	6,077.81	sq.m.	P	P	P	P	P	P	P	P	P
1014	0.5mm thick Pre-painted Rib Type long span Metal Sheet Roofing	683.62	sq.m.	P	P	P	P	P	P	P	P	P
1046(1)	150mm thk. CHB Load Bearing for Exterior Walls (including reinforcing steel)	1,362.24	sq.m	P	P	P	P	P	P	P	P	P
1046(2)	100mm thk. CHB Load Bearing for Interior Walls (including reinforcing steel)	1,199.25	sq.m	P	P	P	P	P	P	P	P	P
1027	Cement Plaster Finish 1/2"thk Plain cement plastering both faces	4,355.23	sq.m.	P	P	P	P	P	P	P	P	P
1032(2)	Varnishing	180.76	sq.m	P	P	P	P	P	P	P	P	P
1032(1)c	Painting Works (Metal Painting)	97.13	sq.m	P	P	P	P	P	P	P	P	P
1038(2)	25mmthk PU Insulation	683.62	sq.m	P	P	P	P	P	P	P	P	P
1016(1)b	Liquid Water Proofing (CEMENTITIOUS)	313.08	sq.m	P	P	P	P	P	P	P	P	P
1003(1)a1	Ceiling (4.5mm thick Fiber Cement on Metal Frames )	887.12	sq.m	P	P	P	P	P	P	P	P	P
1021(3)b	Smooth Trowelled Finished Concrete Flooring	934.76	sq.m.	P	P	P	P	P	P	P	P	P
1003(1)a3	Fascia (12mm thick Fiber Cement on Metal Frames)	143.12	sq.m.	P	P	P	P	P	P	P	P	P
1018	Unglazed Tiles	63.08	sq.m	P	P	P	P	P	P	P	P	P

9

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
1002(13)	Countertop with Complete Accessories	13.26	sq.m.	P	P	P	P	P	P	P	P	P
1003(2)	Wood Frame Blackboard	64.32	sq.m	P	P	P	P	P	P	P	P	P
1003(1)e1	Ceiling (9mm thk Moisture Resistance Gypsum Board on metal furring system)	80.49	sq.m	P	P	P	P	P	P	P	P	P
1002(18)	Stainless Steel Grab Bar, 40mm diameter, Grade 304	7.50	l.m	P	P	P	P	P	P	P	P	P
1009(1)a	Jalousie Window (complete accessories)	248.96	sq.m.	P	P	P	P	P	P	P	P	P
1010(2)b	Wooden Panel Door (complete accessories)	76.86	sq.m.	P	P	P	P	P	P	P	P	P
1002(20)	Facial Mirror	7.39	sq.m	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	657.78	sq.m.	P	P	P	P	P	P	P	P	P
1026(1)	Sand Wash Floor Finish with retarder	138.08	sq.m	P	P	P	P	P	P	P	P	P
1003(18)	HPL partitions on toilets WITH COMPLETE ACCESSORIES	24.57	sq.m.	P	P	P	P	P	P	P	P	P
1004(a)	Stair Nosing Aluminum angle non-slip & threshold	271.04	l.m	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
1012(1)	Tempered Glass Door 12mm thk (complete accessories)	1.89	sq.m	P	P	P	P	P	P	P	P	P
1018 (1)	Glazed Tiles	525.08	sq.m	P	P	P	P	P	P	P	P	P
1013(2)	Fabricated Metal roofing Accessories (ridge/fascia/endwall flashing/end cap flashing)	46.34	l.m	P	P	P	P	P	P	P	P	P
1013(2)c	Fabricated Metal roofing Accessories (Gutter)	16.32	l.m	P	P	P	P	P	P	P	P	P
1039(1)	Aluminum cladding	112.00	sq.m	P	P	P	P	P	P	P	P	P

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
1002(29)	Metal Works for Stair, Ramp, Hallway Railings, and Latticeworks (2" Stainless Steel 304, 1/4" x 2" Flat Bar, 2" x 4" Rectangular Tube)	756.60	l.m	P	P	P	P	P	P	P	P	P
1006(5)	Fire Rated Steel Door	7.56	sq.m	P	P	P	P	P	P	P	P	P
<b>D. ELECTRICAL WORKS</b>												
1100(1)d	Cable Ladder with accessories including supports	11.00	pcs.	P	P	P	P	P	P	P	P	P
1100(6)	20mmØ - 75mmØ Polyvinyl Chloride (PVC) Pipes	2,743.00	length	P	P	P	P	P	P	P	P	P
1101(1)a	1.6mm2 - 5.5mm2 Electric Wire (TW/THHN/THWN2)	14,920.00	m	P	P	P	P	P	P	P	P	P
1101(1)b4	8.0mm2 - 22mm2 Electric Wire (TW/THHN/THWN2)	1,391.00	m	P	P	P	P	P	P	P	P	P
1101(1)b7	30mm2 - 38mm2 Electric Wire (TW/THHN/THWN2)	487.00	m	P	P	P	P	P	P	P	P	P
1101(1)b9	50mm2 - 60mm2 Electric Wire (TW,THHN,THWN2)	133.00	m	P	P	P	P	P	P	P	P	P
1101(1)b11	80mm2 - 125mm2 Electric Wire (TW/THHN/THWN2)	45.00	m	P	P	P	P	P	P	P	P	P
1101(1)b14	150mm2 -250mm2 Electric Wire (TW/THHN/THWN2)	1,103.00	m	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
1100(11)	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
1100(1)b	20mm dia - 80mm dia Rigid Steel (RSC) Pipes	106.00	length	P	P	P	P	P	P	P	P	P
1101(1)e	Underground Service Handhole with accessories including riser and service cap	1.00	l.s	P	P	P	P	P	P	P	P	P
1102(1)a	333kVA Pole Mounted Single Phase Distribution Transformer	3.00	sets	P	P	P	P	P	P	P	P	P

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
1102 (1)b	Panel Board with Main Breakers and Branches (PBGF,MPGF)	16.00	set	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	318.00	pcs	P	P	P	P	P	P	P	P	P
1101(33)	Lighting Switches	75.00	pcs	P	P	P	P	P	P	P	P	P
1103 (1)	Lighting Fixtures (including exit light and emergency lights)	364.00	pcs	P	P	P	P	P	P	P	P	P
1109 (5)	Surge Protection Device	1.00	l.s.	P	P	P	P	P	P	P	P	P

**E. ECE WORKS**

1104(1)	Data Outlets and Telephone Outlets (Duplex / Simplex)	105.00	pcs	P	P	P	P	P	P	P	P	P
1104(1)a	MDF/IDF Assembly	1.00	l.s.	P	P	P	P	P	P	P	P	P
1104(2)	Smoke Detector (Ceiling/Wall Mounted)	49.00	pcs	P	P	P	P	P	P	P	P	P
1104 (2)a	FACP/Horn Strobe/Strobe Light/Manual Pull Station	8.00	pcs	P	P	P	P	P	P	P	P	P
1104(b)	CCTV with DVR Assembly - complete accessories	9.00	pcs	P	P	P	P	P	P	P	P	P
1105(3)	15mmØ Polyvinyl Chloride (PVC) Pipes and fittings	312.71	length	P	P	P	P	P	P	P	P	P
1100(9)a	PVC/RSC/IMC/EMT Conduit Fittings including Junction Box/Pull Box/Utility Box/Square Box	1.00	l.s.	P	P	P	P	P	P	P	P	P
1105(2)	TF Wire (for Smoke Detectors and Speakers)	855.88	l.m.	P	P	P	P	P	P	P	P	P
1105(1)	Data, CCTV, and Telephone Cable	1,368.64	l.m.	P	P	P	P	P	P	P	P	P

**F. MECHANICAL WORKS and FIRE PROTECTION 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
1202(6)	Fire Extinguisher (including bracket)	33.00	sets	P	P	P	P	P	P	P	P	P
1200(13)b	Exhaust Fan (Wall, Ceiling mounted)	6.00	set	P	P	P	P	P	P	P	P	P
1200(13)a	Split-Type Air Conditioning Unit (Wall Mounted, Ceiling Suspended)	15.00	sets	P	P	P	P	P	P	P	P	P
1202(5)	Fire Hose Cabinet Assembly (w/ Complete Accessories)	7.00	sets	P	P	P	P	P	P	P	P	P
1200(1)a	Split-Type Air Conditioning Unit (Tube line & Wiring)	134.68	m	P	P	P	P	P	P	P	P	P
1202(2)	40hp Fire Pump with Complete Control and Standard Accessories	1.00	sets	P	P	P	P	P	P	P	P	P
1202(3)	7.5hp Jockey Pump with Complete Control and Standard Accessories	1.00	set	P	P	P	P	P	P	P	P	P
1202(4)	20hp Electric Motor Pump	1.00	set	P	P	P	P	P	P	P	P	P
1202(1)	Sprinkler Head (Upright, Pendent, Sidewall)	1.00	l.s	P	P	P	P	P	P	P	P	P
1202(7)	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	set	P	P	P	P	P	P	P	P	P
1202(2)c	25mmØ-50mmØ BI Pipe Schd.40	200.00	lengths	P	P	P	P	P	P	P	P	P
1202(2)d	65mmØ-150mmØ BI Pipe Schd.40	1.00	l.s	P	P	P	P	P	P	P	P	P

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
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	l.s	P	P	P	P	P	P	P	P	P
1201(3)a	Hangers, Supports, Consumables, Miscellaneous	1.00	l.s	P	P	P	P	P	P	P	P	P
1201(4)a	Fire Department Connection 100mmØ x 65mmØ x 65mmØ w/ Cap and Chain	1.00	set	P	P	P	P	P	P	P	P	P

**G. PLUMBING AND SANITARY WORKS**

1001 (1)a	50mmØ - 150mmØ PVC Pipe, Series 1000	810.94	m	P	P	P	P	P	P	P	P	P
1001 (1)b	PVC Fittings, Series 1000	1.00	l.s.	P	P	P	P	P	P	P	P	P
1002(2)a	25mmØ - 63mmØ Polypropylene Random Copolymer (PPR-C) Pipes, PN20	92.00	pcs	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
1002(23)	Water Meter and Valves (Check / Gate / Foot / Float)	28.00	pcs	P	P	P	P	P	P	P	P	P
1002 (9)	Urinal with complete accessories	6.00	set	P	P	P	P	P	P	P	P	P
1002 (14)	Lavatory with Complete Accessories	13.00	set	P	P	P	P	P	P	P	P	P
1002 (16)	Floor Drain	17.00	set	P	P	P	P	P	P	P	P	P
1017(3)	Gutter Drain/Deck Drain with Strainer	20.00	set	P	P	P	P	P	P	P	P	P
1002 (16)b	Floor Cleanout	17.00	set	P	P	P	P	P	P	P	P	P
1002(22)	Hose Bibb / Faucet	8.00	set	P	P	P	P	P	P	P	P	P
1002 (5)	Water Closet with Complete Accessories	11.00	set	P	P	P	P	P	P	P	P	P

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
1001 (5)	Catch Basin	14.00	set	P	P	P	P	P	P	P	P	P
1001(1)b2	200mmØ Concrete Pipe	78.00	m	P	P	P	P	P	P	P	P	P
1002 (11)	Stainless Kitchen Sink (ss 304) with complete accessories	4.00	set	P	P	P	P	P	P	P	P	P
1002(26)	Cistern Tank	73.92	cu.m	P	P	P	P	P	P	P	P	P
1001(11)	Concrete Septic Vault	1.00	l.s	P	P	P	P	P	P	P	P	P
1201(8)	Stainless Steel Elevated Water (2- 2500 gallons)	1.00	sets	P	P	P	P	P	P	P	P	P
1201(14)	Lift Pump 4hp	1.00	sets	P	P	P	P	P	P	P	P	P
1201(15)	Booster Pump 1hp	1.00	sets	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>