

BILL OF QUANTITIES

PROJECT TITLE: ONE (1) LOT LABOR AND MATERIALS FOR THE PROPOSED TRIAGE AT GARDEN OF BGHMC
APPROVED BUDGET FOR THE CONTRACT: 3,943,087.07 PESOS ONLY
CONTRACT DURATION: 120 CALENDAR DAYS

Item No.	DETAILED ESTIMATES	UNIT	QTY	MATERIALS		LABOR		EQUIPMENT		ESTIMATED DIRECT COST (7) = (4) + (5) + (6)	MARK-UPS IN %		TOTAL MARK-UP		VAT	TOTAL INDIRECT COST (13) = (11) + (12)	TOTAL COST (14) = (7) + (13)	TOTAL UNIT COST (15) = (14) / (3)
				UNIT COST (4a)	TOTAL COST (4) = (4a) x (3)	UNIT COST (5a)	TOTAL COST (5) = (5a) x (3)	UNIT COST (6a)	TOTAL COST (6) = (6a) x (3)		PROFIT (8)	OCM (9)	% (10) = (8) x (9)	VALUE (11) = (10) X (7)				
G	GENERAL REQUIREMENTS																	
G.1	Mobilization / Demobilization	lot	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G.2	Project Billboard	lot	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G.3	Temporary Facilities (Barracks, Offices, Storage , etc) * Includes Storage, Staging area, Workers Baracks * Note: Workers barracks must be off-site	lot	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G.4	Permits and Licences * All necessary permit for the project	lot	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G.5	Provisions for Health, Security and Safety * Includes PPE,Board-up, Fences, Safety signages, Directional singnages * Includes standard protocols to protect both workers and the public (Perimeter wall, safety nets, inverted umbrella, etc) * Implementation of DOLE Approved CSHP	lot	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	sub-total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ES	EARTH WORKS / SITE WORKS																	
ES.1	Demolition of Existing Structure * Demolition of existing Roofing, Rip-Rap, Planters, Concrete Slab * Includes Hauling of Materials	lot	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ES.2	Structural Excavation w/ Hauling (Manual Excavation)	cu.m	31.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ES.3	Embankment / Backfilling and Compaction (Manual Backfilling)	cu.m	14.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	sub-total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	STRUCTURAL WORKS																	
S.1	CONCRETE PEDESTAL																	
S.1.1	Structural Concrete (3000 PSI @ 28days, pouring, curing)	cu.m	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.1.2	Reinforcing Bars - Grade 40 (Incl. Fabrication, Installation)	kgs	190.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.2	SLAB ON FILL																	
S.2.1	Structural Concrete (3000 PSI @ 28days, pouring, curing)	cu.m	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.2.2	Reinforcing Bars - Grade 40 (Incl. Fabrication, Installation)	kgs	774.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.3	CONCRETE EDGE RESTRAINT																	
S.3.1	Structural Concrete (3000 PSI @ 28days, pouring, curing)	cu.m	7.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.4	PEDESTAL FOR OUTDOOR BOX																	
S.4.1	Structural Concrete (3000 PSI @ 28days, pouring, curing)	cu.m	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.4.2	Reinforcing Bars - Grade 40 (Incl. Fabrication, Installation)	kgs	3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.5	STEEL COLUMNS																	
S.5.1	Structural Steel Sections A36 (Fabrication, Erection, Installation, Epoxy Paint Priming, Enamel Paint Finish)	kgs	1,595.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.5.2	Structural Steel G.I. Pipes, (Fabrication, Erection, Installation, Epoxy Paint Priming, Enamel Paint Finish)	kgs	1,348.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.6	ROOF FRAMING																	
S.6.1	Structural Steel Sections A36 (Fabrication, Erection, Installation, Epoxy Paint Priming, Enamel Paint Finish)	kgs	1,601.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.6.2	50mm x 75mm x 1.2mm thk C-Purlins, (Fabrication, Erection, Installation, Epoxy Paint Priming, Enamel Paint Finish)	ln.m.	207.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S.7	MOTHER AND CHILD CAGE																	

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		PROFIT	OCM	%	VALUE				VAT
(1)	(2)		(3)	(4a)	(4) = (4a) x (3)	(5a)	(5) = (5a) x (3)	(6a)	(6) = (6a) x (3)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) x (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14) / (3)
S.7.1	Structural Steel G.I. Pipes, (Fabrication, Erection, Installation, Epoxy Paint Priming, Enamel Paint Finish)	kgs	354.00		-		-		-	-			-	-	-	-	-	-
S.7.2	10mm x 10mm Square Bar Grade 33 (Fabrication, Erection, Installation, Epoxy Paint Priming, Enamel Paint Finish)	kgs	204.00		-		-		-	-			-	-	-	-	-	-
S.8	TINNERY WORKS																	
S.8.1	0.6 mm Thk. Pre-Painted Rib-Type Roofing, Long Span (Incl. tekscrew, rivets)	sq.m	112.00		-		-		-	-			-	-	-	-	-	-
S.8.2	5 mm Double Sided Foil Heat Insulator	sq.m	112.00		-		-		-	-			-	-	-	-	-	-
S.8.3	0.6 mm Thk. Pre-Painted Bended Accessories (width: 24") Including 1/2" Fiber Cement Facia Board	ln.m	84.00		-		-		-	-			-	-	-	-	-	-
S.8.4	0.6 mm Thk. Pre-Painted Gutter (Width: 24")	ln.m	28.00		-		-		-	-			-	-	-	-	-	-
S.8.5	0.6 mm Thk. Pre-Painted Spandrel (Including Support System)	sq.m	5.00		-		-		-	-			-	-	-	-	-	-
S.8.6	10 mm diameter Sagrods & Tension Rods (Fabrication, Erection, Installation, Epoxy Paint Priming, Enamel Paint Finish)	ln.m.	333.00		-		-		-	-			-	-	-	-	-	-
S.8.7	1.2mm Polycarbonate Roofing with Complete Accessories	sq.m	171.00		-		-		-	-			-	-	-	-	-	-
	sub-total				-		-		-	-			-	-	-	-	-	-
C	CIVIL WORKS																	
C.1	CHB LAYERING																	
C.1.1	4" CHB (Layering, Installation of Reinforcing Bars)	sq.m	30.00		-		-		-	-			-	-	-	-	-	-
	* Components: 4" CHB, 10mm dia RSB (Grade 33), #16 Tie Wires, Portland Cement, Sand, Miscellaneous items																	
C.2	PLASTERING WORKS																	
C.2.1	Cement Plaster Finish (Interior)	sq.m	30.00		-		-		-	-			-	-	-	-	-	-
	* Components: Portland Cement, Fine Sand, Miscellaneous items																	
C.2.2	Cement Plaster Finish (Exterior)	sq.m	30.00		-		-		-	-			-	-	-	-	-	-
	* Components: Portland Cement, Fine Sand , Provision of Grooves, Concrete Molding Design, Miscellaneous items * Work item includes provision of Grooves, Emboss, Moulding, and other plastering designs.																	
	sub-total				-		-		-	-			-	-	-	-	-	-
A	ARCHITECTURAL FINISHES																	
A.1	FLOOR FINISH																	
A.1.1	300mm x 300mm Unglazed Floor Granite Tiles	sq.m	60.00		-		-		-	-			-	-	-	-	-	-
	*Components: Specified Tiles, Cement, Sand, Tile Adhesive, Tile Grout, Miscellaneous items *Colors of grout and tiles will be selected by Owners representative (color/pattern/texture can be 2 or more)																	
A.1.2	Brown Turfstone Exterior Pavers	sq.m	185.00		-		-		-	-			-	-	-	-	-	-
	*Components: Exterior Pavers, Cement, Sand, Grass, Miscellaneous items *Colors of pavers and type of grass will be selected by Owners representative (color/pattern/texture can be 2 or more)																	
A.2	WALL FINISH																	
A.2.1	600mm x 600mm Glazed Wall Granite Tiles	sq.m	15.00		-		-		-	-			-	-	-	-	-	-
	*Components: Specified Tiles, Cement, Sand, Tile Adhesive, Tile Grout, Miscellaneous items *Colors of grout and tiles will be selected by Owners representative (color/pattern/texture can be 2 or more)																	
A.2.2	6mm thk Fiber Cement Board Finish	sq.m	257.00		-		-		-	-			-	-	-	-	-	-
	*Components: 4' x 8' x 6mm thk Fiber Cement Board, Double furring channel, Carrying channel, Double furring clip, Wall Angle, Concrete Nails, Blind Rivet/Screw, Hangers and Supports, Miscellaneous items																	
A.3	CEILING FINISH																	
A.3.1	6mm thk Fiber Cement Board Finish	sq.m	53.00		-		-		-	-			-	-	-	-	-	-

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		PROFIT	OCM	%	VALUE				VAT
(1)	(2)		(3)	(4a)	(4) = (4a) x (3)	(5a)	(5) = (5a) x (3)	(6a)	(6) = (6a) x (3)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) x (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14) / (3)
	*Components: 4' x 8' x 6mm thk Fiber Cement Board, Double furring channel, Carrying channel, Double furring clip, Wall Angle, Concrete Nails, Blind Rivet/Screw, Hangers and Supports, Miscellaneous items																	
	sub-total				-		-		-	-				-	-	-	-	-
P	PAINTING WORKS																	
P.1	EXTERIOR PAINTING																	
P.1.1	100% Acrylic All-Weather Protective Coating Paint Finish	sq.m	200.00		-		-		-	-				-	-	-	-	-
	* Components: Putty, Primer, Reducer, Elastomeric Paint, Miscellaneous items																	
P.2	INTERIOR PAINTING																	
P.2.1	Anti-Bacterial, Odorless & Stain Resistant-Paint Finish	sq.m	323.00		-		-		-	-				-	-	-	-	-
	* Components: Gypsum Tape, Putty, Primer, Reducer, Anti-Bacterial, Odorless & Stain Resistant-Paint, Miscellaneous items																	
P.3	CEILING PAINTING (FIBER CEMENT BOARD)																	
P.3.1	Anti-Bacterial, Odorless & Stain Resistant-Paint Finish	sq.m	53.00		-		-		-	-				-	-	-	-	-
	* Components: Gypsum Tape, Putty, Primer, Reducer, Anti-Bacterial, Odorless & Stain Resistant-Paint, Miscellaneous items																	
P.4	CEMENT BASED WATERPROOFING (2 COATS)																	
P.4.1	Acrylic Water-Based Polymer Waterproofing	sq.m	30.00		-		-		-	-				-	-	-	-	-
	sub-total				-		-		-	-				-	-	-	-	-
D&W	DOORS AND WINDOWS																	
D&W.1	DOORS (Supply and Installation)																	
	* Note: includes Door closers, Door Knob, Locking mechanism, Door handle, Panic devises, and other door accessories specified in the plans and specifications.																	
D&W.1.1	D1 0.90m x 2.10m (See Plans & Specifications)	set	1.00		-		-		-	-				-	-	-	-	-
D&W.1.2	D2 0.80m x 2.10m (See Plans & Specifications)	set	12.00		-		-		-	-				-	-	-	-	-
D&W.1.3	D3 0.60m x 2.10m (See Plans & Specifications)	set	2.00		-		-		-	-				-	-	-	-	-
D&W.1.4	D4 0.70m x 2.10m (See Plans & Specifications)	set	2.00		-		-		-	-				-	-	-	-	-
D&W.2	WINDOWS (Supply and Installation)																	
D&W.2.1	AW1 0.60m x 0.60m (See Plans & Specifications)	set	10.00		-		-		-	-				-	-	-	-	-
D&W.2.2	FW1 0.90m x 1.26m (See Plans & Specifications)	set	6.00		-		-		-	-				-	-	-	-	-
D&W.2.3	FW2 0.60m x 1.26m (See Plans & Specifications)	set	8.00		-		-		-	-				-	-	-	-	-
D&W.2.4	FAW1 2.40m x 1.00m (See Plans & Specifications)	set	2.00		-		-		-	-				-	-	-	-	-
D&W.2.5	FAW2 1.00m x 1.00m (See Plans & Specifications)	set	1.00		-		-		-	-				-	-	-	-	-
	sub-total				-		-		-	-				-	-	-	-	-
E	ELECTRICAL WORKS																	
E.1	ROUGHING INS																	
	*Consumables such as Conduit Hangers and Supports (i.e. Unistrut channels, Full-threaded rods, unistrut clamps, screws, expansion bolts, nuts and washers), Cable Ties, Electrical tapes, rubber tapes, pvc solvent, butane gas, etc. shall be inclusive within the unit cost of each item																	
E.1.1	20 mm dia x 3.00 m PVC Pipe, Rigid	length	250.00															
E.1.2	25 mm dia x 3.00 m RSC Pipe	length	4.00															
E.1.3	20 mm dia Liquid Tight Flexible Nonmetallic Conduit (Rubberized), UL 1660 Listed	m	120.00															
E.1.4	PVC(Rigid) Adapter and Lock Nut, 20 mm dia	pcs	280.00															
E.1.5	LT-NMFC Straight Connector and Locknut, 20mm Dia.	pcs	120.00															
E.1.6	PVC(Rigid) Elbow, 20 mm dia	pcs	170.00															
E.1.7	RSC Adapter (Bushing) and Lock Nut, 25 mm dia	pcs	4.00															
E.1.8	RSC Long Elbow, 25 mm dia	pcs	4.00															

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		PROFIT	OCM	%	VALUE				VAT
(1)	(2)		(3)	(4a)	(4) = (4a) x (3)	(5a)	(5) = (5a) x (3)	(6a)	(6) = (6a) x (3)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) x (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14) / (3)
E.1.9	RSC COUPLING, 25 mm dia	pcs	6.00															
E.1.10	Straight Connector for Liquid-tight Flexible Metallic Conduit, 25 mm dia.	pcs	4.00															
E.1.11	Pullbox, 30cm x 30cm x 20cm, ga.16, with knockouts, Hot-Dipped Galvanize,with Screw-Type Detachable Cover, Factory Fabricated, Powder Coated Surface	set	10.00															
E.2	WIRES AND CABLES																	
	*Consumables such as Conduit Hangers and Supports (i.e. Unistrut channels, Full-threaded rods, unistrut clamps, screws, expansion bolts, nuts and washers), Cable Ties, Electrical tapes, rubber tapes, pvc solvent, butane gas, etc. shall be inclusive within the unit cost of each item																	
E.2.1	Copper Wires, THWN-2/THHN, 2.0 sqmm (Green)	m	600.00															
E.2.2	Copper Wires, THWN-2/THHN, 3.5 sqmm (Color- Coded, Red/Yellow/Blue)	m	2,100.00															
E.2.3	Copper Wires, THWN-2/THHN, 22.0 sqmm (Color Coded- Red/Yellow/Blue)	m	300.00															
E.3	WIRING DEVICES																	
	*Consumables such as Conduit Hangers and Supports (i.e. Unistrut channels, Full-threaded rods, unistrut clamps, screws, expansion bolts, nuts and washers), Cable Ties, Electrical tapes, rubber tapes, pvc solvent, butane gas, etc. shall be inclusive within the unit cost of each item																	
E.3.1	Duplex Convenience Outlet (Universal, 3-Prong Ground Type w/ plate & cover), Wide Series, 16A- Rated	set	34.00															
E.3.2	Single C.O (Universal pins, w/ Plate and Cover)	set	12.00															
E.3.3	Special Purpose Outlet, (Additional Reference: Nema 14- 50R), 16Amp-Rated (or Higher), Universal, 3-Prong ground type, Middle-Mount, Heavy Duty GFCI	set	2.00															
E.3.4	Switch, 1 - Gang w/ plate and cover, wide series	set	11.00															
E.3.5	Switch, 2 - Gang w/ plate and cover, wide series	set	4.00															
E.3.6	Switch, 3-way, 2 - Gang w/ Outdoor- Rated Plate and Cover, Wide Series, IP65/ IP66 Protection Level (Weatherproof), ABS/ Plastic and Rubberized Housing	set	6.00															
E.3.8	Utility Box, PVC	pcs	95.00															
E.3.9	Junction Box, PVC	pcs	135.00															
E.4	LIGHTING FIXTURES																	
	*Consumables such as Conduit Hangers and Supports (i.e. Unistrut channels, Full-threaded rods, unistrut clamps, screws, expansion bolts, nuts and washers), Cable Ties, Electrical tapes, rubber tapes, pvc solvent, butane gas, etc. shall be inclusive within the unit cost of each item																	
E.4.1	2 x 18W in 30 x 120cm LED FIXTURE AND BULB ASSEMBLY, RECESS- MOUNTED TYPE, DUST-TIGHT, 4000K DAYLIGHT, 220V LIGHTING FIXTURE w/ ALUMINUM LOUVERS AND FROSTED ACRYLIC/ POLYCARBONATE COVER/ DIFFUSER	set	6.00															
E.4.2	2 x 9W in 30 x 60cm LED FIXTURE AND BULB ASSEMBLY, RECESS- MOUNTED TYPE, DUST-TIGHT, 4000K DAYLIGHT, 220V LIGHTING FIXTURE w/ ALUMINUM LOUVERS AND FROSTED ACRYLIC/ POLYCARBONATE COVER/ DIFFUSER	set	13.00															
E.4.3	Round Recess- Type Vertical Downlight, 150mmØ, Beehive Reflector (E-27), 220V, with 12W LED Bulb (4000K- Daylight) and Frosted Glass/ Acrylic/ Polycarbonate Light Cover/ Diffuser	set	2.00															
E.4.4	Round Surface- Mounted Outdoor Downlight, 150mmØ, Weatherproof (IP65) Lighting Assembly, Water- Sealed Die Cast Aluminum, Polycarbonate/ Acrylic Covered Diffuser with 1x 9W Warm-white LED Bulb	set	54.00															
E.4.6	2x3-Watt Twin-Head LED Emergency Light with Charger,230V	set	12.00															
E.5	PANELBOARDS AND PROTECTIVE DEVICES (bolt-on-type)																	
	*Consumables such as Conduit Hangers and Supports (i.e. Unistrut channels, Full-threaded rods, unistrut clamps, screws, expansion bolts, nuts and washers), Cable Ties, Electrical tapes, rubber tapes, pvc solvent, butane gas, etc. shall be inclusive within the unit cost of each item																	

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		PROFIT	OCM	%	VALUE					
(1)	(2)		(3)	(4a)	(4) = (4a) x (3)	(5a)	(5) = (5a) x (3)	(6a)	(6) = (6a) x (3)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) x (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14) / (3)	
E.5.2	Weather-proof Circuit Breaker Enclosure/ Panel Board (NEMA 3R/ IP65 level protection), 300mm (H) x 250mm (W) x 150mm (D), Powder Coated Metal, With Detachable Dead Front Cover and Bottom Feed Knockouts, Rubber Gasketed Door Openings and Screw Entry Holes, Equipped with spaced and orange/red painted insulated metallic backing sheet, Minimum Gauge #16, Recommended thickness (Door: 1mm, Other Frame Members: 0.8mm), with 2 x (80AT, 230V, 1-Phase, 2-Pole) Bolt-on MCCB- Center- Mounted	set	2.00																
E.5.3	GARDEN TRIAGE PANELBOARD	set	1.00																
	Surface- Mounted, Bolt-on, Powder- Coated, with Dead Front Cover, Electrical Hazard Stickers, and Permanent Termination/ Slot Labels, with adequate Grounding Busbar																		
	Main: 80AT/100AF, 15KAIC, 230V, 2-pole, 1-Phase Miniature Circuit Breaker (MCB)																		
	Branch:																		
	3-20AT, 2-pole, 230V, 1-Phase, MCB																		
	9-30AT, 2-pole, 230V, 1-Phase, MCB																		
	sub-total				-		-		-	-									
ECE	ELECTRONICS AND COMMUNICATIONS WORKS																		
EC.1	TELECOMMUNICATIONS SYSTEM																		
	*Consumables such as Conduit Hangers and Supports (i.e. Unistrut channels, Full-threaded rods, expansion bolts, nuts and washers), Mica Tube, RJ-45/RJ-11/BNC/RG-6 Coax Connectors, Cable Ties shall be inclusive within the unit cost of each item																		
EC.1.1	Utility Box, PVC ga 16	pcs	15.00																
EC.1.2	Junction Box, PVC, ga 16, with Cover	pcs	2.00																
EC.1.3	Square Box/Pull Box, PVC, 6"x6" with Cover	pcs	18.00																
EC.1.4	20 mm dia x 3.00 m PVC Pipe	length	30.00																
EC.1.5	40 mm dia x 3.00 m PVC Pipe	length	16.00																
EC.1.6	PVC Adapter Lock Nut, 20 mm dia	pcs	35.00																
EC.1.7	PVC Adapter Lock Nut, 40 mm dia	pcs	18.00																
EC.1.8	CAT6 I/O Wall Outlet w/ Plate and Cover (1-gang)	pcs	3.00																
EC.1.9	CAT6 I/O Wall Outlet w/ Plate and Cover (2-gang)	pcs	12.00																
EC.1.10	Patch Panel, 48-port Modular, CAT-6, Rackmount, 50U Gold Plated Contacts, 1000Mbps, with I/O Modules and Rear Cable Management Bar	pcs	1.00																
EC.1.11	Cable Manager, Horizontal, Metal Frame with Cover, 1U	pcs	1.00																
EC.1.12	Unshielded Twisted Pair (UTP) Cable, CAT-6, Pure Copper, Preferred Color: Gray/Blue	m	480.00																
EC.1.13	24 Gigabit port Switch in 1U rackmount case, Dual boot (RouterOS or SwitchOS), CPU core count: 1, CPU nominal frequency: 800 MHz, Operating System: RouterOS / SwitchOS, Size of RAM: 512 MB, Storage size: 16 MB, Storage type: FLASH, with all basic functionality for a managed switch, allows to manage port-to-port forwarding, apply MAC filter, configure VLANs, mirror traffic, apply bandwidth limitation and adjust some MAC and IP header fields, SFP cage supports both 1.25 Gb SFP and 10 Gb SFP+ modules	set	1.00																
EC.1.14	SFP Module, 1.25G SFP transceiver with a 1310nm Dual LC connector, for up to 20 kilometer Single Mode fiber connections, with DDM, must be compatible with Mikrotik CRS326-24G-2S+RM switch and Mikrotik CRS317-1G-16S+RM	pcs	2.00																
EC.1.15	Uninterruptible Power Supply (UPS), Capacity: 650VA/360W or higher; Battery Backup and Surge Protector; On-Line Input Voltage 160-290VAC, single phase; Online Frequency Range (50Hz/60Hz) 45 - 55Hz ±1Hz / 55 - 65Hz ±1Hz; Typical Recharge Time 4 hours to 90%; Outlet type and numbers IEC C13 x 4 / NEMA	set	1.00																
EC.1.16	WiFi 6 Access Point, AX1800 Ceiling Mount, 1x Gigabit Ethernet (RJ-45) Port (supports IEEE802.3at PoE and Passive PoE), Power Supply: 802.3at PoE, 48 V Passive PoE, 12 V / 1.5 A DC With Power Adapter and Ceiling / Wall Mounting Kits	set	2.00																
EC.1.17	Data Cabinet, wall mount, 6U, 600mm x 600mm (WxD), front glass door with lock, removable side panels, 19" rack, with 2 fans, with 2 fans, PDU, cagenuts and bolts.	set	1.00																
EC.1.18	Fiber Optic FTTH Box, w/ 12 SC couplers and Pigtails	set	2.00																
EC.1.19	Fiber optic Cable, 12-Core, Single mode, Figure-8 (Aerial), with Steel Wire Messenger	m	160.00																

BILL OF QUANTITIES

Item No.	DETAILED ESTIMATES	UNIT	QTY	MATERIALS		LABOR		EQUIPMENT		ESTIMATED DIRECT COST	MARK-UPS IN %		TOTAL MARK-UP		TOTAL INDIRECT COST	TOTAL COST	TOTAL UNIT COST	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		PROFIT	OCM	%	VALUE				VAT
(1)	(2)		(3)	(4a)	(4) = (4a) x (3)	(5a)	(5) = (5a) x (3)	(6a)	(6) = (6a) x (3)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) x (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14) / (3)
EC.1.20	Fiber Optic LC to SC UPC Patchcord, Single Mode, DUPLEX, Carrier Grade, Insertion Loss ≤ 0.2dB, Return Loss ≥ 50 dB, 3 meters	piece	4.00															
EC.1.21	CAT6 UTP Patch cord, 1 meter, factory-manufactured	piece	34.00															
	Fiber Optic LC to SC UPC Patchcord, Single Mode, DUPLEX, Carrier Grade, Insertion Loss ≤ 0.2dB, Return Loss ≥ 50 dB, 20 meters	piece	1.00															
EC.1.22	2 Spool Rack, Powder Coated, with Spool Insulator	set	3.00															
EC.2	CCTV SYSTEM																	
	*Consumables such as Conduit Hangers and Supports (i.e. Unistrat channels, Full-threaded rods, expansion bolts, nuts and washers), Mica Tube, RJ-45/RJ-11/BNC/RG-6 Coax Connectors, Cable Ties shall be inclusive within the unit cost of each item																	
EC.2.1	20 mm dia x 3.00 m PVC Pipe	length	24.00															
EC.2.2	PVC Adapter Lock Nut, 20 mm dia	pcs	8.00															
EC.2.3	Square Box/Pull Box, PVC, 6"x6" with Cover	pcs	4.00															
EC.2.4	Unshielded Twisted Pair (UTP) Cable, CAT-6, Pure Copper, Preferred Color: Orange/Red/Green/Yellow	m	100.00															
EC.2.5	Fixed Bullet Network Camera 4 MP -Must be Compatible with Hikvision iVMS Software -High quality imaging with 2 MP resolution -Excellent low-light performance -Efficient H.265+ compression technology -Water and dust resistant (IP67) -24/7 colorful imaging -White Light Range, Up to 30 m	set	2.00															
EC.2.6	Cantilever Tray Shelf, 1U	piece	1.00															
EC.2.7	CAT6 UTP Patch cord, 1 meter, factory-manufactured	piece	4.00															
EC.3	PUBLIC ADDRESS SYSTEM																	
	*Consumables such as Conduit Hangers and Supports (i.e. Unistrat channels, Full-threaded rods, expansion bolts, nuts and washers), Mica Tube, RJ-45/RJ-11/BNC/RG-6 Coax Connectors, Cable Ties shall be inclusive within the unit cost of each item																	
EC.3.1	Speaker, Rock-shaped, 8" 2-way, 300W 8 ohms, 25W 70V, 8" Woofer polypropylene cone with santoprene rubber edge, 1" Kapton former voice coil, 1" Neodymium Dome Tweeter	Unit	12.00															
EC.3.2	Speaker Wire, Outdoor, 2-core, 16 AWG, Pure Copper, Tin Coated w/ Shield	m	150.00															
EC.3.3	20 mm dia x 3.00 m PVC Pipe	length	50.00															
EC.3.4	PVC Adapter Lock Nut and Bushing, 20 mm dia	pcs	32.00															
EC.3.5	Junction Box, PVC, ga 16, with Cover	pcs	16.00															
EC.3.6	Enclosure Panel, NEMA 3R w/ Canopy (Data Cabinet Outdoor Type), Wall mount, 12U, 600mm x 600mm (WxD), Ga.16/1.2mm Thick, GI Metal Sheet Body and Cover, Powder Coated, Hinge Type Door with T-Lock rubber gasket, With Vertical Mounting Rails, Cable Organizers, Brackets (Pole Mounting).	set	1.00															
	sub-total																	
P&S	PLUMBING AND SANITARY WORKS																	
	* Consumables such as teflon tape, pvc cement, hangers, clamps, threaded rod, etc shall be inclusive within the unit cost of each item																	
P&S.1	PLUMBING FIXTURES																	
	* See specifications on healthcare plumbing fixtures																	
P&S.1.1	Wash Sink with Stand Type 1 w/ Complete Accessories	set	2.00															
P&S.1.2	Shower with faucet Type 1 w/ Complete Accessories	set	1.00															
P&S.1.3	Floor Drain	set	1.00															
	* Heavy Duty Stainless Steel (SUS304), 4" x 4" Square Type w/ Strainer																	
P&S.1.4	Facial Mirror	sq.m	2.00															
	*6mm Thk Mirror, w/ 6mm thk Marine plywood Backing																	
P&S.1.5	Recessed Soap Dish, S/S	set	3.00															
	* Accessories: Mounting accessories, etc																	

Republic of the Philippines
Department of Health
Baguio General Hospital and Medical Center

BILL OF QUANTITIES

Item No.	DETAILED ESTIMATES	UNIT	QTY	MATERIALS		LABOR		EQUIPMENT		ESTIMATED DIRECT COST	MARK-UPS IN %		TOTAL MARK-UP		TOTAL INDIRECT COST	TOTAL COST	TOTAL UNIT COST	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		PROFIT	OCM	%	VALUE				VAT
(1)	(2)		(3)	(4a)	(4) = (4a) x (3)	(5a)	(5) = (5a) x (3)	(6a)	(6) = (6a) x (3)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) x (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14) / (3)
P&S.1.6	Dome Type Stainless steel Floor Drain with Strainer	set	7.00															
	* Accessories: Mounting accessories, etc																	
P&S.2	WATER SUPPLY																	
	* use different pipe color/lining for cold water line and hot water line																	
	* Unit cost shall include excavation works, embedment of pipe, backfilling works, and restoration works																	
P&S.2.1	1/2" Ø (SDR 11) - HDPE	ln.m	150.00															
P&S.2.2	3/4" Dia Gate Valve (PN20) - (Body= Cast Bronze, Bonnet=Forged Brass, Stem=Special Brass, Disk=Cast Bronze)	Pcs	1.00															
P&S.2.3	3/4" Dia Check Valve (Lift Type) - Brass Body (PN20)	Pcs	1.00															
P&S.2.4	1/2" Dia Gate Valve (PN20) - (Body= Cast Bronze, Bonnet=Forged Brass, Stem=Special Brass, Disk=Cast Bronze)	Pcs	2.00															
P&S.2.5	1/2" Dia Tee - G.I.	Pcs	4.00															
P&S.2.6	3/4" Dia x 4" Nipple - G.I.	Pcs	3.00															
P&S.2.7	1/2" Dia x 3" Nipple - G.I.	Pcs	12.00															
P&S.2.8	1/2" Dia x 2" Nipple - G.I.	Pcs	4.00															
P&S.2.9	3/4" Dia Union - G.I.	Pcs	1.00															
P&S.2.10	1/2" Dia Union - G.I.	Pcs	4.00															
P&S.2.11	3/4" Dia Coupling - G.I.	Pcs	3.00															
P&S.2.12	1/2" Dia Coupling - G.I.	Pcs	12.00															
P&S.2.13	1/2" Dia End Cap - G.I.	Pcs	4.00															
P&S.2.14	3/4" Dia Replacement Piece- Brass	Pcs	2.00															
P&S.2.15	1/2" Dia Replacement Piece- Brass	Pcs	12.00															
P&S.3	WASTEWATER DRAINAGE & VENT																	
	* Unit cost shall include excavation works, embedment of pipe, backfilling works, and restoration works																	
P&S.3.1	100 mm Dia uPVC Pipe (s-1000)	ln.m	36.00															
P&S.3.2	75 mm Dia uPVC Pipe (s-1000)	ln.m	153.00															
P&S.3.3	50 mm Dia uPVC Pipe (s-1000)	ln.m	57.00															
P&S.3.4	100 mm X 100 mm Wye - uPVC	Pcs	1.00															
P&S.3.5	100 mm X 75 mm Wye - uPVC	Pcs	1.00															
P&S.3.6	100 mm X 50 mm Wye - uPVC	Pcs	1.00															
P&S.3.7	50 mm X 50 mm Wye - uPVC	Pcs	2.00															
P&S.3.8	100 mm X 100 mm Sanitary Tee - uPVC	Pcs	1.00															
P&S.3.9	100 mm X 50 mm Sanitary Tee - uPVC	Pcs	1.00															
P&S.3.10	75 mm X 75 mm Sanitary Tee - uPVC	Pcs	1.00															
P&S.3.11	50 mm X 50 mm Sanitary Tee - uPVC	Pcs	6.00															
P&S.3.12	100 mm 90 Deg Elbow - uPVC	Pcs	5.00															
P&S.3.13	75 mm 90 Deg Elbow - uPVC	Pcs	31.00															
P&S.3.14	50 mm 90 Deg Elbow - uPVC	Pcs	15.00															
P&S.3.15	100 mm 45 Deg Bend - uPVC	Pcs	6.00															
P&S.3.16	75 mm 45 Deg Elbow - uPVC	Pcs	18.00															
P&S.3.17	50 mm 45 Deg Elbow - uPVC	Pcs	9.00															
P&S.3.18	100 mm Dia Cleanout - uPVC	Pcs	2.00															
P&S.3.19	75 mm Dia Cleanout - uPVC	Pcs	6.00															
P&S.3.20	50 mm Dia Cleanout - uPVC	Pcs	5.00															
P&S.3.21	50 mm U-Trap -uPVC	Pcs	3.00															
	sub-total				-		-		-	-				-	-	-	-	
	TOTAL				-		-		-	-				-	-	-	-	

INSTRUCTION TO BIDDERS

* Testing of materials and systems must be included within the unit cost of each items.

* Part of this Bill of quantities is the Plans and Technical specifications

* Do not remove/ omit/ reduce items

* Follow computation format provided

* Do not fill-up darken portions

* All pages must be signed by the bidder's authorized representative