

PROPOSED CONVERSION OF ODTRU ROOF DECK TO TRAINING AREA

DETAILED ESTIMATES

APPROVED BUDGET FOR THE CONTRACT: 2,999,785.74 PESOS ONLY

Item No.	DESCRIPTION	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)	(4)		(5)		(6)		(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
<b>G</b>	<b>GENERAL REQUIREMENTS</b>																	
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 Barracks * Note: Workers barracks must be off-site	lot	1.00							-					-			
G.5	Provisions for Health, Security and Safety * Includes PPE, Board-up, Fences, Safety signages, Directional signages * Includes standard protocols to protect both workers and the public ( Perimeter wall, safety nets, inverted umbrella, etc)	lot	1.00							-					-			
	<b>sub-total</b>									-					-			
<b>ES</b>	<b>EARTH WORKS / SITE WORKS</b>																	
ES.1	Demolition of Existing Structure * Demolition of existing Roofing, Walls * Provisions for utility rough-ins * Includes Hauling of Materials	lot	1.00							-					-			
	<b>sub-total</b>									-					-			
<b>S</b>	<b>STRUCTURAL WORKS</b>																	
<b>S.1</b>	<b>COMPOSITE COLUMNS</b>																	
S.1.1	Structural Concrete (3500 PSI @ 28 days, pouring, curing)	cu.m	2.50															
S.1.1.1	Roof Deck to Roof	cu.m	2.50							-					-			
S.1.2	Reinforcing Bars (Grade 60, Fabrication, Installation)	kgs	240.00															
S.1.2.1	Roof Deck to Roof	kgs	240.00							-					-			
S.1.3	Reinforcing Bars (Grade 40, Fabrication, Installation)	kgs	150.00															
S.1.3.1	Roof Deck to Roof	kgs	150.00							-					-			
S.1.4	Formworks and Falseworks ( Fabrication, Installation, and Stripping)	sq.m	30.00															
S.1.4.1	Roof Deck to Roof	sq.m	30.00							-					-			
S.1.5	Structural Steel Section, 6" diameter (A36), (Fabrication, Erection, Installation, Epoxy Paint Priming)	kgs	300.00															
S.1.5.1	Roof Deck to Roof	kgs	300.00							-					-			
<b>S.2</b>	<b>RC BEAMS</b>																	
S.2.1	Structural Concrete (3500 PSI @ 28 days, pouring, curing)	cu.m	8.00															
S.2.1.1	Upper Roof (Tank Level)	cu.m	8.00							-					-			
S.2.2	Reinforcing Bars (Grade 60, Fabrication, Installation)	kgs	1,750.00															
S.2.2.1	Upper Roof (Tank Level)	kgs	1,750.00							-					-			
S.2.3	Reinforcing Bars (Grade 40, Fabrication, Installation)	kgs	590.00															
S.2.3.1	Upper Roof (Tank Level)	kgs	590.00							-					-			
S.2.4	Formworks and Falseworks ( Fabrication, Installation, and Stripping)	sq.m	135.00															
S.2.4.1	Upper Roof (Tank Level)	sq.m	135.00							-					-			
<b>S.3</b>	<b>RC SLAB</b>																	
S.3.1	Structural Concrete (3500 PSI @ 28 days, pouring, curing)	cu.m	4.00															
S.3.1.1	Upper Roof (Tank Level)	cu.m	4.00							-					-			
S.3.2	Reinforcing Bars (Grade 40, Fabrication, Installation)	kgs	360.00															
S.3.2.1	Upper Roof (Tank Level)	kgs	360.00							-					-			
S.3.3	Metal Decking (1.2mm thk)	sq.m	26.00															
S.3.3.2	Upper Roof (Tank Level)	sq.m	26.00							-					-			
<b>S.4</b>	<b>TINNERY WORKS</b>																	
S.4.1	0.6 mm Thk. Pre-Painted Spandrel	sq.m	53.00							-					-			
<b>S.5</b>	<b>CONSTRUCTION OF ROOFING (LABOR &amp; EQUIPMENT ONLY)</b>																	
	* Note: All Construction Materials will be provided																	
S.5.1	Structural Steel Angle Bars (A36), (Fabrication, Erection, Installation, Epoxy Paint Priming)	kgs	2,950.00							-					-			
S.5.2	Structural Steel Plates (A36) (Fabrication, Erection, Installation, Epoxy Paint Priming)	kgs	70.00							-					-			
S.5.3	50mm x 75mm x 1.2mm thk C-Purlins, (Fabrication, Erection, Installation, Epoxy Paint Priming)	ln.m	2,100.00							-					-			

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		PROFIT	OCM	%	VALUE				VAT
(1)	(2)		(3)	(4)		(5)		(6)		(7)	(8)	(9)	(10)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
S.5.4	50mm x 150mm x 1.2mm thk C-Purlins (Fascia), (Fabrication, Erection, Installation, Epoxy Paint Priming)	ln.m.	126.00							-				-	-	-	-	-
S.5.5	16 mm diameter Sagrods & Tension Rods (Fabrication, Erection, Installation, Epoxy Paint Priming)	ln.m.	126.00							-				-	-	-	-	-
S.5.6	10 mm diameter Sagrods & Tension Rods (Fabrication, Erection, Installation, Epoxy Paint Priming)	ln.m.	126.00							-				-	-	-	-	-
S.5.7	Turnbuckle 16mm diameter	pcs	17.00							-				-	-	-	-	-
S.5.8	0.6 mm Thk. Pre-Painted Rib-Type Roofing, Long Span	sq.m	400.00							-				-	-	-	-	-
S.5.9			400.00							-				-	-	-	-	-
S.5.10	0.6 mm Thk. Pre-Painted Bended Accessories ( width: 36")	ln.m	135.00							-				-	-	-	-	-
S.5.11	0.6 mm Thk. Pre-Painted Gutter ( Width: 36") w/ 12mm thk Fiber Cement Senepa	ln.m	51.00							-				-	-	-	-	-
	<b>sub-total</b>									-				-	-	-	-	-
<b>C</b>	<b>CIVIL WORKS</b>																	
<b>C.1</b>	<b>CHB LAYERING</b>																	
<b>C.1.2</b>	<b>4" CHB (Laying, Installation of Reinforcing Bars)</b>	<b>sq.m</b>	<b>160.00</b>															
	* Components: 4" CHB, 10mm dia RSB (Grade 33), #16 Tie Wires, Portland Cement, Sand, Miscellaneous items																	
C.1.2.1	Roof Deck	sq.m	160.00							-				-	-	-	-	-
<b>C.2</b>	<b>PLASTERING WORKS</b>																	
<b>C.2.1</b>	<b>Cement Plaster Finish (Interior)</b>	<b>sq.m</b>	<b>215.00</b>															
	* Components: Portland Cement, Fine Sand, Miscellaneous items																	
C.2.1.1	Roof Deck	sq.m	215.00							-				-	-	-	-	-
<b>C.2.2</b>	<b>Cement Plaster Finish (Exterior.)</b>	<b>sq.m</b>	<b>145.00</b>															
	* 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.																	
C.2.2.1	Roof Deck	sq.m	145.00											-	-	-	-	-
<b>C.3</b>	<b>STIFFINER COLUMN</b>																	
	* Components: 3000 PSI Concrete Mix, Grade 33 RSB, Tie wires, Formworks, Miscellaneous items																	
<b>C.3.1</b>	<b>100 mm x 200 mm</b>	<b>ln.m.</b>	<b>11.00</b>															
C.3.1.1	Roof Deck	ln.m.	11.00											-	-	-	-	-
<b>C.4</b>	<b>STIFFINER BEAM / LINTEL BEAM</b>																	
	* Components: 3000 PSI Concrete Mix, Grade 33 RSB, Tie wires, Formworks, Miscellaneous items																	
<b>C.4.1</b>	<b>100 mm x 200 mm</b>	<b>ln.m.</b>	<b>68.00</b>															
C.4.1.1	Basement Floor	ln.m.	68.00											-	-	-	-	-
	<b>sub-total</b>									-				-	-	-	-	-
<b>A</b>	<b>ARCHITECTURAL FINISHES</b>																	
<b>A.1</b>	<b>FLOOR FINISH</b>																	
<b>A.1.1</b>	<b>Non-Skid Ceramic Floor Tile Finish (Size: 600mm x 600mm Unglazed)</b>	<b>sq.m</b>	<b>28.00</b>															
	*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.1.1.1	Roof Deck	sq.m	28.00											-	-	-	-	-
<b>A.1.1</b>	<b>Polished Ceramic Floor Tile Finish (Size: 300mm x 300mm Unglazed)</b>	<b>sq.m</b>	<b>7.00</b>															
	*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.1.1.1	Roof Deck	sq.m	7.00											-	-	-	-	-
<b>A.1.1</b>	<b>Non-skid Porcelain Floor Tile Finish (Size: 600mm x 600mm)</b>	<b>sq.m</b>	<b>219.00</b>															
	*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.1.1.1	Roof Deck	sq.m	219.00											-	-	-	-	-
<b>A.1.2</b>	<b>Waterproofing and water sealing</b>	<b>sq.m</b>	<b>16.00</b>															
	* Components: Ready to apply (pre-mixed) polyurethane elastomeric seamless waterproofing membrane, Miscellaneous items																	
A.1.2.1	Roof Deck	sq.m	16.00											-	-	-	-	-
<b>A.2</b>	<b>WALL FINISH</b>																	

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		PROFIT	OCM	%	VALUE				VAT
(1)	(2)		(3)	(4)		(5)		(6)		(7)	(8)	(9)	(10)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
A.2.2	<b>Ceramic Wall Tile Finish (Size: 600mm X 300mm)</b>	sq.m	30.00															
	*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.2.2.1	Roof Deck	sq.m	30.00											-	-	-	-	-
A.3	<b>CEILING FINISH</b>																	
A.3.1	<b>CF1 Fiber Cement Board Finish (4.5mm thk)</b>	sq.m	25.03															
	*Components: Fiber Cement, Double furring channel, Carrying channel, Double furring clip, Wall Angle, Concrete Nails, Blind Rivet/Screw, Hangers and Supports, Miscellaneous items																	
A.3.1.1	Roof Deck	sq.m	25.03											-	-	-	-	-
A.3.2	<b>CF2 600x600 Fire Rated Fiber Mineral Acoustic Board Finish</b>	sq.m	145.14															
	*Components: Acoustic Board, T-runners, Double furring channel, Carrying channel, Double furring clip, Wall Angle, Concrete Nails, Blind Rivet/Screw, Hangers and Supports, Miscellaneous items																	
A.3.2.1	Roof Deck	sq.m	145.14											-	-	-	-	-
A.3.3	<b>CF3 PVC Ceiling Panel Finish (Wood Series Design)</b>	sq.m	58.81															
	*Components: 200mm wide PVC Panel, PVC Corner Trim/ PVC Ceiling Clip, 19mm x 50 mm Double furring channel, 12mm x 38mm Carrying channel, Double furring clip, Wall Angle, Concrete Nails, Blind Rivet/Screw, Hangers and Supports, Miscellaneous items																	
A.3.3.1	Roof Deck	sq.m	58.81											-	-	-	-	-
A.4	<b>CABINETS, COUNTER, LOCKERS</b>																	
A.4.1	3/4"x4"x8' Marine Plywood ( Fabrication, Installation )	sq.m.	2.00											-	-	-	-	-
A.4.3	Good Lumber ( Fabrication, Installation, Stripping)	bd.ft	4.00											-	-	-	-	-
A.4.4	1" x 1" Wood Edging ( Fabrication, Installation)	ln.m	8.00											-	-	-	-	-
A.4.8	Black Galaxy Granite Finish (Refer to Plans and Specifications)	sq.m	2.30											-	-	-	-	-
A.4.10	Cabinet Hinge	pcs	4.00											-	-	-	-	-
A.4.11	Stainless Steel Handle	pcs	2.00											-	-	-	-	-
A.4.12	Drawer Guide	pairs	1.00											-	-	-	-	-
A.4.13	Magnetic Catches	set	2.00											-	-	-	-	-
A.5	<b>PAINTING WORKS</b>																	
A.5.1	<b>INTERIOR WALL AND EXPOSED CONCRETE PAINTING</b>																	
A.5.1.1	<b>Anti-Bacterial Paint Finish</b>	sq.m	364.00															
	* Components: Concrete Neutralizer, Penetrating Sealer, Putty, Primer, Reducer, Anti-Bacterial, Odorless & Stain Resistant-Paint, Miscellaneous items																	
A.5.1.1.1	Roof Deck	sq.m	364.00											-	-	-	-	-
A.5.2	<b>WOOD PAINTING ON CABINETS, SHELVES, FURNITURES</b>																	
A.5.2.1	<b>Acrylic QDE Paint Finish</b>	sq.m	15.00															
	* Components: Putty, Primer, Reducer, Quick Drying Enamel Paint, Miscellaneous items																	
A.5.2.1.1	Cabinets	sq.m	15.00											-	-	-	-	-
A.5.3	<b>EXTERIOR PAINT</b>																	
A.5.3.1	<b>Elastomeric Paint Finish</b>	sq.m	257.00															
	* Components: Putty, Primer, Reducer, Elastomeric Paint, Miscellaneous items																	
A.5.3.1.1	Exterior Walls	sq.m	257.00											-	-	-	-	-
	<b>sub-total</b>													-	-	-	-	-
D&W	<b>DOORS AND WINDOWS</b>																	
D&W.1	<b>DOORS (Supply and Installation)</b>																	
	* Note: includes Door closers, Door Knob, Locking mechanism, Door handle, Panic devices, and other door accessories specified in the plans and specifications.																	
D&W.1.1	GD1 ( See Plans & Specifications)	set	1.00											-	-	-	-	-
D&W.1.2	WDL1 ( See Plans & Specifications)	set	1.00											-	-	-	-	-
D&W.1.3	WDL2 ( See Plans & Specifications)	set	1.00											-	-	-	-	-
D&W.2	<b>WINDOWS (Supply and Installation)</b>																	
D&W.2.1	EAW RD-1 ( See Plans & Specifications)	set	2.00											-	-	-	-	-
D&W.2.2	EAW RD-2 ( See Plans & Specifications)	set	13.00											-	-	-	-	-
D&W.2.3	EAW RD-3 ( See Plans & Specifications)	set	2.00											-	-	-	-	-
	<b>sub-total</b>													-	-	-	-	-
E	<b>ELECTRICAL WORKS</b>																	

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		PROFIT	OCM	%	VALUE				VAT
(1)	(2)		(3)	(4)		(5)		(6)		(7)	(8)	(9)	(10)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
	* Note: Most of the scope are rough-ins and does not include devices and wires/cables for terminations, thus tie wires must be left inside conduits for future phases of the projects.																	
	* Consumables such as butane gas, pvc cement, electrical tape, tie wires, etc shall be inclusive within the unit cost of each item																	
	* Hangers and supports, screws, bolts, terminal lugs shall be inclusive within the unit cost of each item																	
<b>E.1</b>	<b>ROUGHING INS</b>																	
E.1.1	20 mm dia x 3.00 m PVC Pipe	length	200.00											-	-	-	-	-
E.1.2	20 mm dia MICA Tube, Insulation Sleeve, 1/2"	ln.m.	150.00											-	-	-	-	-
E.1.3	PVC Adapter Lock Nut, 20 mm dia	pcs	200.00											-	-	-	-	-
E.1.4	PVC Lone Elbow, 20 mm dia	pcs	110.00											-	-	-	-	-
<b>E.2</b>	<b>WIRES AND CABLES</b>																	
E.2.1	Copper Wires, THWN-2/THHN, 2.0 sqmm (Green)	m	450.00											-	-	-	-	-
E.2.2	Copper Wires, THWN-2/THHN, 3.5 sqmm (Color Coded)	m	1,500.00											-	-	-	-	-
E.2.3	Copper Wires, THWN-2/THHN, 5.5 sqmm (Color Coded)	m	100.00											-	-	-	-	-
E.2.4	Copper Wires, THWN-2/THHN, 14.0 sqmm (Color Coded)	m	220.00											-	-	-	-	-
<b>E.3</b>	<b>WIRING DEVICES</b>																	
E.3.1	Duplex Convenience Outlet (Universal, Ground Type w/ plate & cover), 10A to 16A Rated, With Shutters	set	25.00											-	-	-	-	-
E.3.2	Special Purpose Outlet, (Additional Reference: Nema 14- 50R), 30Amp-Rated (or Higher), Universal, 3-Prong ground type, Middle-Mount, Heavy Duty GFCI	set	1.00											-	-	-	-	-
E.3.3	Single Convenience Outlet (Universal, Ground Type w/ plate & cover)	set	5.00											-	-	-	-	-
E.3.4	Switch, 1 - Gang w/ plate and cover, wide series	set	2.00											-	-	-	-	-
E.3.5	Switch, 2 - Gang w/ plate and cover, wide series	set	5.00											-	-	-	-	-
E.3.6	Switch, 3 - Gang w/ plate and cover, wide series	set	1.00											-	-	-	-	-
E.3.7	Pull Box, 600mm x 200mm x 200mm Powder Coated Metal Pull Box, Screw-Detachable Cover with Knockouts, Gauge #16	set	3.00											-	-	-	-	-
E.3.8	Utility Box, PVC, Gauge #16	pcs	35.00											-	-	-	-	-
E.3.9	Junction Box, PVC, Gauge #16	pcs	100.00											-	-	-	-	-
<b>E.4</b>	<b>LIGHTING FIXTURES</b>																	
E.4.1	30 x 60 cm x 2- 9Watt T8 Tubular LED, Recessed Type Vertical Downlight, 220Vac, 4000K Davlight, Dust Tight Lighting Fixture w/ Aluminum Louvers	set	35.00											-	-	-	-	-
E.4.2	9W LED PIN DOWNLIGHT (LED Bulb), 150mm Diameter Surface-Mounted, Canister Type Fixture with Aluminized Reflector, Black Body, Davlight Color	set	8.00											-	-	-	-	-
<b>E.5</b>	<b>PANELBOARDS (bolt-on-type)</b>																	
E.5.1	PB4 (ROOF DECK PANEL BOARD) Main: 60AT/100AF, 15KAIC, 3-pole, 3-Phase, 230V Branch: 2- 20 AT, 2-pole, 1-Phase, 230V 8- 30 AT, 2-pole, 1-Phase, 230V 2- 30 AT, 3-pole, 3-Phase, 230V	set	1.00											-	-	-	-	-
<b>E.6</b>	<b>SERVICE ENTRANCE</b>																	
E.6.1	32 mm dia x 3.00 m RSC Pipe	pcs	5.00											-	-	-	-	-
E.6.2	RSC, Coupling, 32 mm dia	pcs	5.00											-	-	-	-	-
E.6.3	RSC, Elbow, 32 mm dia	pcs	5.00											-	-	-	-	-
E.6.4	RSC, Lock Nut and Bushing, 32 mm dia	pcs	3.00											-	-	-	-	-
E.6.5	RSC, Clamp, 32 mm dia	pcs	10.00											-	-	-	-	-
E.6.6	Entrance cap, 32mm dia	pcs	1.00											-	-	-	-	-
E.6.7	Solderless Mechanical Lugs/ Terminal Lugs, 200 sqmm. Cross Sectional Area (Refer to appropriate size on provided conductors), Copper/Aluminum	set	4.00											-	-	-	-	-
E.6.8	Secondary Rack with spool, Triple	set	3.00											-	-	-	-	-
	<b>sub-total</b>													-	-	-	-	-
<b>EC</b>	<b>ELECTRONICS AND COMMUNICATIONS WORKS</b>																	
	<b>TELEPHONE / DATA SYSTEM</b>																	
	*Consumables such as Conduit Hangers and Supports (i.e. Unistrut channels, Full-threaded rods, expansion bolts, nuts and washers), RJ-45 Connectors, Cable Ties shall be inclusive within the unit cost of each item																	
	Utility Box, PVC ga 16	pcs	19.00											-	-	-	-	-
	Junction Box, PVC, ga 16	pcs	40.00											-	-	-	-	-
	Pullbox, G.I., 300x300x150mm, Gauge #16	pcs	3.00											-	-	-	-	-
	20 mm dia x 3.00 m PVC Pipe	length	140.00											-	-	-	-	-
	PVC Adapter Lock Nut, 20 mm dia	pcs	240.00											-	-	-	-	-

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Item No.	DESCRIPTION	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)	(4)		(5)		(6)		(7)	(8)	(9)	(10)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
	PVC Long Elbow, 20 mm dia	pcs	80.00															
	24 Gigabit port Switch, 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															
	RJ-45 Outlet w/ Plate and Cover (1-gang)	set	19.00															
	Patch Panel, 24-port Modular, CAT-6, Rackmount, 1000Mbps	pcs	1.00															
	Unshielded Twisted Pair (UTP) Cable, CAT-6, Pure Copper, Preferred Color: Gray/Blue	m	600.00															
	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															
	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, casenuts and bolts.	set	1.00															
	IP Phone, Dual-switched Gigabit ports, integrated PoE, HD audio on speakerphone and handset, compatible with Grandstream IP PBX	set	1.00															
	Wi-Fi Access Point, 802.11ac, Long Range, 10/100/1000 Ethernet Port Networking Interface, 2.4 GHz Radio Rate: 450 Mbps, Slew Wall or Ceiling Mount Design, 802.3af/A PoE Power Method, Gigabit PoE Adapter (24V, 0.5A) and Wall/Ceiling Kits included	set	1.00															
	<b>PAGING SYSTEM</b>																	
	*Consumables such as Conduit Hangers and Supports (i.e. Unistrut channels, Full-threaded rods, expansion bolts, nuts and washers), RJ-45 Connectors, Cable Ties shall be inclusive within the unit cost of each item																	
	Speakers, Ceiling Mounted, 6", 6 W, with matching transformer, 100 volts and back cover protection	set	2.00															
	Speaker Wire, #18	m	70.00															
	20 mm dia x 3.00 m PVC Pipe	length	25.00															
	PVC Adapter Lock Nut, 20 mm dia	pcs	30.00															
	PVC Long Elbow, 20 mm dia	pcs	10.00															
	Junction Box, PVC, ga 16	pcs	10.00															
	<b>SURVEILLANCE AND ACCESS CONTROL SYSTEM</b>																	
	*Consumables such as Conduit Hangers and Supports (i.e. Unistrut channels, Full-threaded rods, expansion bolts, nuts and washers), RJ-45 Connectors, Cable Ties shall be inclusive within the unit cost of each item																	
	4 MP WDR Fixed Dome Network Camera with Build-in Mic, 1/3" Progressive Scan CMOS, 2.8mm Lens Type, Clear imaging against strong back light due to 120 dB true WDR technology, Built-in microphone for real-time audio security, Water and dust resistant (IP66) and vandal proof (IK10)	set	1.00															
	4 MP Build-in Mic Fixed Bullet Network Camera, with Wall Mount Bracket High quality imaging with 4 MP resolution, 2.8mm, Efficient H.265+ compression technology, Clear imaging even with strong back lighting due to DWDR technology, Water and dust resistant (IP67), EXIR 2.0: advanced infrared technology with long IR range, Built-in microphone for real-time audio security.	set	1.00															
	Network Video Recorder, 8-ch 1U, 4K NVR, Up to 8 channel IP cameras can be connected Supports decoding H.265+/H.265/H.264+/H.264 video formats Up to 4K high-definition live view, storage and playback Up to 8-ch @ 1080p decoding capacity Up to 80 Mbps high incoming bandwidth ensures IP cameras can be connected 1 HDMI and 1 VGA interfaces: both interfaces support independent video output * HDDs for continuous video recording	set	2.00															
	Hard Disk, 4 TB, for Surveillance/CCTV	set	1.00															
	Unshielded Twisted Pair (UTP) Cable, CAT-6, Pure Copper, Preferred Color: Orange/Red/Green/Yellow	m	54.00															
	20 mm dia x 3.00 m PVC Pipe	length	16.00															
	PVC Adapter Lock Nut, 20 mm dia	pcs	20.00															
	Junction Box, PVC	pcs	4.00															
	8-Port Fast Ethernet Unmanaged PoE Switch, 1x100Mbps Hi-PoE port, 7x100Mbps PoE ports and 2x1GB unlinks, 6KV protection	set	1.00															
	<b>sub-total</b>																	
	<b>P&amp;S PLUMBING AND SANITARY WORKS</b>																	
	* Consumables such as teflon tape, pvc cement, hangers, clamps, threaded rod, etc shall be inclusive within the unit cost of each item																	
	<b>P&amp;S.1 PLUMBING FIXTURES</b>																	
	* See specifications on healthcare plumbing fixtures																	
P&S.1.1	Regular Water Closet Type 1 w/ Complete Accessories	set	2.00															

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

PROPOSED CONVERSION OF ODTRU ROOF DECK TO TRAINING AREA

DETAILED ESTIMATES

Item No.	DESCRIPTION	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)	(4)		(5)		(6)		(7)	(8)	(9)	(10)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
P&S.1.2	Pedestal Lavatory Type 1 w/ Complete Accessories	set	2.00											-	-	-	-	-
P&S.1.3	Wash Sink, Undercounter Type 1 w/ Complete Accessories	set	1.00											-	-	-	-	-
P&S.1.4	Floor Drain * Heavy Duty Stainless Steel (SUS304), 4" x 4" Square Type w/ Strainer	set	4.00											-	-	-	-	-
P&S.1.5	Facial Mirror *6mm Thk Mirror, w/ 6mm thk Marine plywood Backing	sq.m	0.50											-	-	-	-	-
P&S.1.6	Toilet Tissue Holder (Single) * Accessories: Mounting accessories, etc	set	2.00											-	-	-	-	-
P&S.1.7	Recessed Soap Dish, S/S * Accessories: Mounting accessories, etc	set	3.00											-	-	-	-	-
P&S.1.8	Dome Type Stainless steel Floor Drain with Strainer * Accessories: Mounting accessories, etc	set	10.00											-	-	-	-	-
<b>P&amp;S.2</b>	<b>WATER SUPPLY</b>																	
	* use different pipe color/lining for cold water line and hot water line																	
P&S.2.1	50 mm Ø ( PN 20) - PPR	In.m	8.00											-	-	-	-	-
P&S.2.2	32 mm Ø ( PN 20) - PPR	In.m	8.00											-	-	-	-	-
P&S.2.3	25 mm Ø ( PN 20) - PPR	In.m	8.00											-	-	-	-	-
P&S.2.4	20 mm Ø ( PN 20) - PPR	In.m	8.00											-	-	-	-	-
P&S.2.5	2" Dia Gate Valve (PN20) - (Body= Cast Bronze, Bonnet=Forged Brass, Stem=Special Brass, Disk=Cast Bronze)	Pcs	1.00											-	-	-	-	-
P&S.2.6	1" Dia Gate Valve (PN20) - (Body= Cast Bronze, Bonnet=Forged Brass, Stem=Special Brass, Disk=Cast Bronze)	Pcs	1.00											-	-	-	-	-
P&S.2.7	3/4" Dia Check Valve (Lift Type) - Brass Body (PN20)	Pcs	1.00											-	-	-	-	-
P&S.2.8	3/4" Dia Float Valve (Lift Type) - Brass Body (PN20)	Pcs	1.00											-	-	-	-	-
P&S.2.9	1" Dia PPR Gate Valve (PN20)	Pcs	9.00											-	-	-	-	-
P&S.2.10	3/4" Dia PPR Gate Valve (PN20)	Pcs	2.00											-	-	-	-	-
P&S.2.11	1/2" Dia PPR Gate Valve (PN20)	Pcs	1.00											-	-	-	-	-
P&S.2.12	50 mm Dia Tee - PPR	Pcs	2.00											-	-	-	-	-
P&S.2.13	50 mm x 32 mm Dia Tee Reducer - PPR	Pcs	1.00											-	-	-	-	-
P&S.2.14	32 mm Dia Tee - PPR	Pcs	2.00											-	-	-	-	-
P&S.2.15	32 mm x 25 mm Dia Tee Reducer - PPR	Pcs	2.00											-	-	-	-	-
P&S.2.16	25 mm Dia Tee - PPR	Pcs	5.00											-	-	-	-	-
P&S.2.17	50 mm Dia Union - PPR	Pcs	1.00											-	-	-	-	-
P&S.2.18	32 mm Dia Union - PPR	Pcs	1.00											-	-	-	-	-
P&S.2.19	25 mm Dia Union - PPR	Pcs	3.00											-	-	-	-	-
P&S.2.20	50 mm Dia End Cap - PPR	Pcs	2.00											-	-	-	-	-
P&S.2.21	32 mm Dia End Cap - PPR	Pcs	2.00											-	-	-	-	-
P&S.2.22	25 mm Dia End Cap - PPR	Pcs	3.00											-	-	-	-	-
P&S.2.23	20 mm Dia End Cap - PPR	Pcs	7.00											-	-	-	-	-
P&S.2.24	50 mm Dia 90 deg Elbow- PPR	Pcs	4.00											-	-	-	-	-
P&S.2.25	32 mm Dia 90 deg Elbow- PPR	Pcs	2.00											-	-	-	-	-
P&S.2.26	25 mm Dia 90 deg Elbow- PPR	Pcs	6.00											-	-	-	-	-
P&S.2.27	20 mm Dia 90 deg Elbow- PPR	Pcs	10.00											-	-	-	-	-
P&S.2.28	50 mm Dia Coupling - PPR	Pcs	4.00											-	-	-	-	-
P&S.2.29	32 mm Dia Coupling - PPR	Pcs	2.00											-	-	-	-	-
P&S.2.30	25 mm Dia Coupling - PPR	Pcs	3.00											-	-	-	-	-
P&S.2.31	25 mm Dia Coupling - PPR	Pcs	3.00											-	-	-	-	-
P&S.2.32	20 mm Dia x 1/2" Female Threaded Tee- PPR	Pcs	7.00											-	-	-	-	-
P&S.2.33	20 mm Dia x 1/2" Male Threaded Tee- PPR	Pcs	2.00											-	-	-	-	-
P&S.2.34	50 mm Dia x 2" Male Threaded Coupling- PPR	Pcs	10.00											-	-	-	-	-
P&S.2.35	32 mm Dia x 1" Male Threaded Coupling- PPR	Pcs	6.00											-	-	-	-	-
P&S.2.36	25 mm Dia x 3/4" Male Threaded Coupling- PPR	Pcs	2.00											-	-	-	-	-
<b>P&amp;S.3</b>	<b>WASTEWATER DRAINAGE &amp; VENT</b>																	
P&S.3.1	100 mm Dia uPVC Pipe (s-1000)	In.m	15.00											-	-	-	-	-
P&S.3.2	75 mm Dia uPVC Pipe (s-1000)	In.m	80.00											-	-	-	-	-
P&S.3.3	50 mm Dia uPVC Pipe (s-1000)	In.m	45.00											-	-	-	-	-
P&S.3.4	100 mm X 100 mm Wye - uPVC	Pcs	3.00											-	-	-	-	-
P&S.3.5	100 mm X 75 mm Wye - uPVC	Pcs	5.00											-	-	-	-	-
P&S.3.6	100 mm X 50 mm Wye - uPVC	Pcs	2.00											-	-	-	-	-
P&S.3.7	75 mm X 75 mm Wye - uPVC	Pcs	1.00											-	-	-	-	-
P&S.3.8	75 mm X 75 mm Wye - uPVC	Pcs	1.00											-	-	-	-	-
P&S.3.9	50 mm X 50 mm Wye - uPVC	Pcs	1.00											-	-	-	-	-
P&S.3.10	100 mm X 100 mm Sanitary Tee - uPVC	Pcs	2.00											-	-	-	-	-
P&S.3.11	100 mm X 50 mm Sanitary Tee - uPVC	Pcs	4.00											-	-	-	-	-
P&S.3.12	75 mm X 75 mm Sanitary Tee - uPVC	Pcs	6.00											-	-	-	-	-
P&S.3.13	75 mm X 50 mm Sanitary Tee - uPVC	Pcs	4.00											-	-	-	-	-
P&S.3.14	50 mm X 50 mm Sanitary Tee - uPVC	Pcs	7.00											-	-	-	-	-
P&S.3.15	100 mm 90 Deg Elbow - uPVC	Pcs	4.00											-	-	-	-	-
P&S.3.16	75 mm 90 Deg Elbow - uPVC	Pcs	6.00											-	-	-	-	-
P&S.3.17	50 mm 90 Deg Elbow - uPVC	Pcs	12.00											-	-	-	-	-
P&S.3.18	100 mm 45 Deg Bend - uPVC	Pcs	4.00											-	-	-	-	-
P&S.3.19	75 mm 45 Deg Elbow - uPVC	Pcs	5.00											-	-	-	-	-
P&S.3.20	50 mm 45 Deg Elbow - uPVC	Pcs	4.00											-	-	-	-	-

