

DETAILED ESTIMATES

PROJECT TITLE: COMPLETION OF PCR EXTENSION
ABC: 14,849,904.01
*NOTE: DO NOT FILL UP BLACKEN PORTION

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST	MATERIALS	LABOR & EQUIPMENT	ESTIMATED DIRECT COST	MARK-UPS IN %		TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST
								PROFIT	OCM	%	VALUE			
(1)	(2)	(3)	(4)				(5)	(6)	(7)	(9)	(10)	(11)	(12)	(13)
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)	lot	1.00											
G.4	Permits and Licences	lot	1.00											
G.5	Provisions for Health and Safety	lot	1.00											
	sub-total													
E/S EARTH WORKS / SITE WORKS														
E/S.1	Demolition of Truss Between PCR Extension and Flavier (Includes hauling)	lot	1.00											
	* All salvage materials shall be returned to engineering office.													
E/S.2	Demolition of walls for rough-ins	lot	1.00											
	* Includes hauling out of debris													
	sub-total													
S STRUCTURAL WORKS														
S.1 RC COLUMN														
S.1.1	Structural Concrete (3500 PSI @ 28 days, Pouring, Curing)	cu.m	9.20											
S.1.2	Reinforcing Bars (Grade 60, Fabrication, Installation)	kgs	1,575.00											
S.1.3	Reinforcing Bars (Grade 40, Fabrication, Installation)	kgs	834.00											
S.1.4	Formworks and Falseworks (Fabrication, Installation, Stripping)	sq.m	84.00											
S.2 RC BEAMS & CORBELS														
S.2.1	Structural Concrete (3500 PSI @ 28 days, Pouring, Curing)	cu.m	5.60											
S.2.2	Reinforcing Bars (Grade 60, Fabrication, Installation)	kgs	719.20											
S.2.3	Reinforcing Bars (Grade 40, Fabrication, Installation)	kgs	327.50											
S.2.4	Formworks and Falseworks (Fabrication, Installation, Stripping)	sq.m	49.70											
S.3 COMPOSITE COLUMN														
S.3.1	Structural Concrete (3500 PSI @ 28 days, Pouring, Curing)	cu.m	12.60											
S.3.2	Reinforcing Bars (Grade 40, Fabrication, Installation)	kgs	1,838.00											
S.3.3	Formworks and Falseworks (Fabrication, Installation, Stripping)	sq.m	149.80											
S.3.4	Structural Steel Section (A36), (Fabrication, Erection, Installation, Epoxy Paint Priming)	kgs	5,964.00											
S.3.5	Structural Steel Plates (A36) (Fabrication, Erection, Installation, Epoxy Paint Priming)	kgs	327.00											
S.3.6	20 mm diameter X 400 mm J-Bolt W/ Washer and Nut (A325)	pc	30.00											
S.3.7	16 mm diameter X 300 mm J-Bolt W/ Washer and Nut (A325)	pc	24.00											
S.4 COMPOSITE BEAM														
S.4.1	Structural Concrete (3500 PSI @ 28 days, Pouring, Curing)	cu.m	11.80											
S.4.2	Reinforcing Bars (Grade 40, Fabrication, Installation)	kgs	1,489.00											
S.4.3	Formworks and Falseworks (Fabrication, Installation, Stripping)	sq.m	225.00											
S.4.4	Structural Steel Section (A36), (Fabrication, Erection, Installation, Epoxy Paint Priming)	kgs	6,264.00											
S.4.5	Structural Steel Plates (A36) (Fabrication, Erection, Installation, Epoxy Paint Priming)	kgs	334.00											
S.5 SLAB														
S.5.1	Structural Concrete (3500 PSI @ 28 days, Pouring, Curing)	cu.m	18.30											
S.5.2	Reinforcing Bars (Grade 40, Fabrication, Installation)	kgs	1,890.00											
S.5.3	Metal Decking (1.0mm thk, Feed Web: 1220mm, Fv=275MPa)	sq.m	133.00											
S.6 RC STAIRS														
S.6.1	Structural Concrete (3500 PSI @ 28 days, Pouring, Curing)	cu.m	4.80											
S.6.2	Reinforcing Bars (Grade 60, Fabrication, Installation)	kgs	453.20											
S.6.3	Reinforcing Bars (Grade 40, Fabrication, Installation)	kgs	368.00											
S.6.4	Formworks and Falseworks (Fabrication, Installation, Stripping)	sq.m	28.00											
S.7 RC CANOPY														
S.7.1	Structural Concrete (1:3:4)	cu.m	2.10											
S.7.2	Reinforcing Bars (Grade 40, Fabrication, Installation)	kgs	215.00											
S.7.3	Formworks and Falseworks (Fabrication, Installation, Stripping)	sq.m	18.90											
S.8 STRUCTURAL ROOFING														
S.8.1	Structural Steel Angle Bars (A36), (Fabrication, Erection, Installation, Epoxy Paint Priming)	kgs	2,410.00											
S.8.2	Structural Steel Plates (A36) (Fabrication, Erection, Installation, Epoxy Paint Priming)	kgs	205.00											
S.8.3	50mm x 75mm x 1.2mm thk C-Purlins, (Fabrication, Erection, Installation, Epoxy Paint Priming)	ln.m.	446.00											
S.8.4	50mm x 150mm x 1.2mm thk C-Purlins (Fascia), (Fabrication, Erection, Installation, Epoxy Paint Priming)	ln.m.	93.00											
S.8.5	16 mm diameter Sagrods & Tension Rods (Fabrication, Erection, Installation, Epoxy Paint Priming)	ln.m.	32.00											
S.8.6	10 mm diameter Sagrods & Tension Rods (Fabrication, Erection, Installation, Epoxy Paint Priming)	ln.m.	106.00											
S.8.7	Turnbuckle 16mm diameter	pcs	4.00											
S.9 TINNERY WORKS														
S.9.1	0.6 mm Thk. Pre-Painted Rib-Type Roofing, Long Span	sq.m	239.00											
S.9.2	5 mm Double Sided Foil Heat Insulator	sq.m	239.00											
S.9.3	0.6 mm Thk. Pre-Painted Bended Accessories (width: 24")	ln.m.	68.00											
S.9.4	0.6 mm Thk. Pre-Painted Gutter (Width: 24")	ln.m.	18.10											
S.9.5	0.6 mm Thk. Pre-Painted Spandrel	sq.m	52.00											

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								PROFIT	OCM	%	VALUE			
(1)	(2)	(3)	(4)				(5)	(6)	(7)	(9)	(10)	(11)	(12)	(13)
S.10	FIRE EXTT													
S.10	Structural Steel Angle Bars & Flat Bars (A36), (Fabrication, Erection, Installation, Epoxy Paint Priming)	kgs	1,110.00											
	Note:													
	Structural Steel Works: Consumables such as welding rod, oxygen, acetylene, painting accessories, etc shall be inclusive in the unit cost of each item													
	Timery Works: Consumables such as Rivet, Teck screw, Silicone Sealant, painting accessories, etc shall be inclusive in the unit cost of each item													
	Timery Works: All timery splices and teckcrew shall be applied with silicone sealant													
	sub-total													
MA	MASONRY WORKS													
MA.1	CHB LAYERING													
MA.1.1.1	6" CHB (Layering, Installation of Reinforcing Bars)	sq.m	369.00											
	* Components: 6" CHB, 10mm dia RSB (Grade 33), #16 Tie Wires, Portland Cement, Sand, Miscellaneous items													
MA.1.1.2	4" CHB (Layering, Installation of Reinforcing Bars)	sq.m	51.00											
	* Components: 4" CHB, 10mm dia RSB (Grade 33), #16 Tie Wires, Portland Cement, Sand, Miscellaneous items													
MA.2	Cement Plaster Finish	sq.m	957.00											
	* Components: Portland Cement, Fine Sand, Miscellaneous items													
MA.3	STIFFNER COLUMN													
MA.3.1	Structural Concrete (1:3:4)	cu.m	1.00											
MA.3.2	Reinforcing Bars (Grade 33)	kgs	77.80											
MA.3.3	Formworks and Falseworks (Fabrication, Installation, Stripping)	sq.m	9.00											
MA.4	RC LINTEL BEAM													
MA.4.1	Structural Concrete (1:3:4)	cu.m	1.20											
MA.4.2	Reinforcing Bars (Grade 33)	kgs	88.00											
MA.4.3	Formworks and Falseworks (Fabrication, Installation, Stripping)	sq.m	13.50											
	sub-total													
F	FINISHES													
F.1	FLOOR FINISH													
F.1.1	600 mm x 600 mm x 10 mm thk Non-skid Porcelain Floor Tiles Finish	sq.m	78.00											
	* Components: 600mm x 600mm Non-skid Full Body Porcelain Tiles, Fine Sand, Portland Cement, Tile Adhesive, Tile Grout, Miscellaneous items													
F.1.2	2mm Roll-Form, Anti-static, Anti-Bacterial Homogenous, Non-Directional Vinyl Finish	sq.m	626.00											
	* Components: 2mm Roll-Form, Anti-static, Anti-Bacterial Homogenous Vinyl, Non-directional (Installation shall be based on manufacturer's standard), Capping Strip, Cove Former, Floor Topping (Plain Cement Finish)/Self Leveling Grout, Miscellaneous items													
F.1.3	300mm X 300mm x 10 mm thk Full body Porcelain Tiles with anti-slip emboss (STAIR RUN)	sq.m	64.00											
	* Components: 300mm x 300mm Non-skid Full Body Porcelain Tiles w/ anti-slip emboss, Fine Sand, Portland Cement, Tile Adhesive, Tile Grout, Miscellaneous items													
F.1.4	300mm wide x 10 mm thk Full body Porcelain Tiles with (STAIR RISE)	sq.m	37.00											
	* Components: 300mm wide Full Body Porcelain Tiles, Fine Sand, Portland Cement, Tile Adhesive, Tile Grout, Miscellaneous items													
F.1.5	Non-Skid Ceramic Floor Tile Finish (Refer to Plans and Specifications)	sq.m	37.00											
	* Components: Non-skid Full Body Ceramic Tiles, Fine Sand, Portland Cement, Tile Adhesive, Tile Grout, Miscellaneous items													
F.1.6	500mm x 500mm x 3mm Anti-Static Rubber Studded Floor Tile Finish	sq.m	37.00											
F.1.7	Semi-Gloss Chlorinated Rubber-Modified Acrylic Finish (Including Floor Topping)	sq.m	72.00											
	* Components: Floor Topping/Self Leveling Grout, Putty, Reducer, Semi-Gloss Chlorinated Rubber-Modified Acrylic Finish (2 coats), Miscellaneous items													
F.1.8	Flexible Cementitious Waterproofing (2 Coats)	sq.m	107.00											
F.2	WALL FINISH													
F.2.1	6mm THK Fiber Cement Board Finish	sq.m	162.00											
	* See plans and specifications													
F.2.2	Non-Skid Ceramic Wall Tile Finish (Refer to Plans and Specifications)	sq.m	153.00											
	* Components: Non-skid Full Body Ceramic Tiles, Fine Sand, Portland Cement, Tile Adhesive, Tile Grout, Miscellaneous items													
F.2.3	Tile Trim	ln.m	71.00											
F.3	CEILING FINISH													
F.3.1	Fiber Cement Board Finish (4.5mm thk)	sq.m	355.00											
	* See plans and specifications													
F.3.2	Fire Rated Fiber Mineral Acoustic Board Finish	sq.m	71.00											
	* See plans and specifications													
F.3.3	Laminated PVC Ceiling Panel Finish	sq.m	265.00											
	* See plans and specifications													
F.4	ADDITIONAL ARCHITECTURAL FINISHES													
F.4.1	STAIR RAILING @ INTERIOR STAIRS (See Plans & Specifications)													
F.4.1.1	40 mm dia. 1.5mm thk. Stainless Steel (SUS304)	ln.m	74.00											
F.4.1.2	37.5 mm dia. 1.5mm thk. Stainless Steel (SUS304)	ln.m	74.00											
F.4.1.3	12.5 mm x 12.5mm square solid Stainless Steel bar (SUS304)	ln.m	259.00											
F.4.1.4	10 mm x 10 mm square solid Stainless Steel bar (SUS304)	ln.m	74.00											
	* Consumables such as stupa, holders, welding rod, elbows, etc shall be inclusive within the unit cost of each item													
F.4.2	RAMP HAND RAILING (See Plans & Specifications)													

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								PROFIT	OCM	%	VALUE			
(1)	(2)	(3)	(4)				(5)	(6)	(7)	(9)	(10)	(11)	(12)	(13)
F.4.2.1	40 mm dia. 1.5mm thk. Stainless Steel (SUS304)	ln.m	48.00											
F.4.2.2	37.5 mm dia. 1.5mm thk. Stainless Steel (SUS304)	ln.m	48.00											
	* Consumables such as stupa, holders, welding rod, elbows, etc shall be inclusive within the unit cost of each item													
F.4.3	CABINETS, COUNTERS, AND LOCKERS													
F.4.3.1	3/4"x4'8" Marine Plywood (Fabrication, Installation)	pcs	25.00											
F.4.3.2	1/4"x4'8" Marine Plywood (Fabrication, Installation)	pcs	1.00											
F.4.3.3	3/4"x4'8" Laminated Board	pcs	4.00											
F.4.3.4	Good Lumber (Fabrication, Installation, Stripping)	bd.ft	25.00											
F.4.3.5	1" x 1" Wood Edging (Fabrication, Installation)	ln.m	20.00											
F.4.3.6	1/4" Clear Glass (Fabrication, Installation)	sq.m.	2.00											
F.4.3.7	1/4" thk Mirror Glass (Fabrication, Installation)	sq.m.	1.00											
F.4.3.8	Black Galaxy Granite Finish (Refer to Plans and Specifications)	sq.m	9.00											
F.4.3.9	Cabinet Hinge	pcs	14.00											
F.4.3.10	Stainless Steel Handle	pcs	22.00											
F.4.3.11	Drawer Guide	pairs	15.00											
F.4.3.12	Magnetic Catches	set	7.00											
F.4.3.13	Lock Hasp	set	15.00											
	* consumables such as wood glue, assorted nails, cutting disk, Drill bit and other consumables shall be inclusive within the unit cost of each item													
	sub-total													
PA	PAINTING WORKS													
PA.1	EXTERIOR PAINTING													
PA.1.1	100 % Acrylic All-Weather Protective Coating Paint Finish	sq.m	789.00											
PA.2	INTERIOR PAINTING													
PA.2.1	Anti-Bacterial, Odorless & Stain Resistant-Paint Finish	sq.m	1,047.00											
PA.3	DRYWALL PAINTING (FICEM BOARD)													
PA.3.1	Anti-Bacterial, Odorless & Stain Resistant-Paint Finish	sq.m	162.00											
PA.4	CEILING PAINTING (FICEM BOARD)													
PA.4.1	Anti-Bacterial, Odorless & Stain Resistant-Paint Finish	sq.m	355.00											
PA.5	EXPOSED CONCRETE													
PA.5.1	100 % Acrylic All-Weather Protective Coating Paint Finish	sq.m	149.00											
PA.6	EXPOSED STEEL DECK SOFFIT													
PA.6.1	Enamel Paint Finish	sq.m	74.00											
PA.7	CABINETS, COUNTERS, AND LOCKERS PAINTING													
PA.7.1	Ducco Paint Finish	sq.m	158.00											
PA.8	CEMENT BASED WATERPROOFING													
PA.8.1	Acrylic Water-Based Polymer Waterproofing (2 Coats)	sq.m	789.00											
	sub-total													
D&W	DOORS AND WINDOWS													
D&W.1	DOORS													
D&W.1.1	D1 (See Plans & Specifications)	set	1.00											
D&W.1.2	D3 (See Plans & Specifications)	set	4.00											
D&W.1.3	D4 (See Plans & Specifications)	set	1.00											
D&W.1.4	D5 (See Plans & Specifications)	set	4.00											
D&W.1.5	D6 (See Plans & Specifications)	set	2.00											
D&W.1.6	D7 (See Plans & Specifications)	set	2.00											
D&W.1.7	D8 (See Plans & Specifications)	set	5.00											
D&W.2	WINDOWS													
D&W.2.1	W6 (See Plans & Specifications)	set	5.00											
D&W.2.2	W7 (See Plans & Specifications)	set	2.00											
D&W.2.3	W9 (See Plans & Specifications)	set	1.00											
D&W.2.4	W10 (See Plans & Specifications)	set	5.00											
D&W.2.5	W11 (See Plans & Specifications)	set	4.00											
D&W.2.6	W12 (See Plans & Specifications)	set	1.00											
D&W.2.7	W14 (See Plans & Specifications)	set	3.00											
	sub-total													
E.0	ELECTRICAL WORKS													
	* Consumables such as butane gas, pvc cement, electrical tape, hangers, etc shall be inclusive within the unit cost for each item													
E.1	ROUGHING INS													
E.1.1	20 mm dia x 3.00 m IMC Pipe	length	985.00											
E.1.2	32 mm dia x 3.00 m IMC Pipe	length	60.00											
E.1.3	IMC Adapter Lock Nut, 20 mm dia	pcs	1,818.00											
E.1.4	IMC Adapter Lock Nut, 32 mm dia	pcs	30.00											
E.1.5	IMC Long Elbow, 20 mm dia	pcs	616.00											
E.1.6	IMC Long Elbow, 32 mm dia	pcs	75.00											
E.1.7	IMC COUPLING 20 mm dia	pcs	985.00											

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(1)	(2)	(3)	(4)				(5)	(6)	(7)	(9)	(10)	(11)	(12)	(13)
E.1.8	IMC COUPLING, 32 mm dia	pcs	60.00											
E.2	WIRES AND CABLES													
E.2.1	Copper Wires, THWN-2/THHN, 2.0 sqmm (Green)	m	1,464.00											
E.2.2	Copper Wires, THWN-2/THHN, 3.5 sqmm	m	4,760.00											
E.2.3	Copper Wires, THWN-2/THHN, 5.5 sqmm	m	70.00											
E.2.4	Copper Wires, THWN-2/THHN, 14.0 sqmm	m	135.00											
E.2.5	Copper Wires, THWN-2/THHN, 30.0 sqmm	m	210.00											
E.3	WIRING DEVICES													
E.3.1	Single (1-Gang) C.O. (Universal, Ground Type w/ plate & cover)	set	13.00											
E.3.2	Duplex C.O. (Universal, Ground Type w/ plate & cover)	set	45.00											
E.3.3	AIRCON Outlet, Single (Universal, Ground Type w/ Plate & Cover)	set	10.00											
E.3.4	Special Purpose Outlet, Single (Universal, Ground Type w/ Plate & Cover)	set	5.00											
E.3.5	Water Heater Outlet, Single (Universal, Ground Type w/ Plate & Cover)	set	4.00											
E.3.6	Switch, 1 - Gang w/ plate and cover, wide series	set	20.00											
E.3.7	Switch, 2 - Gang w/ plate and cover, wide series	set	13.00											
E.3.8	Switch, 3 - Gang w/ plate and cover, wide series	set	4.00											
E.3.9	Switch, 3-way, 1 - Gang w/ plate and cover, wide series	set	6.00											
E.3.10	Switch, 3-way, 2 - Gang w/ plate and cover, wide series	set	8.00											
E.3.11	Square Box, 301mm x 301mm x 101mm Galvanized Metal Pull Box	pcs	4.00											
E.3.12	Utility Box, Galvanized Metal	pcs	162.00											
E.3.13	Junction Box, Galvanized Metal	pcs	2,262.00											
E.4	LIGHTING FIXTURES													
E.4.1	2 x 18 W Fluorescent Light (LED) - Recessed mounted with aluminum reflector and satin finished louvers (30cm x 120 cm)	set	85.00											
E.4.2	18W Vertical Downlight, Recessed Type 150 mmØ White, 220V, Daylight	set	31.00											
E.4.3	9W Vertical Downlight, Recessed Type 150 mmØ White, 220V, Daylight	set	8.00											
E.4.4	18W LED Vertical Downlight, Wall Mounted 150mm Diameter-White with Vandal Proof Special Wall Casement	set	3.00											
E.4.5	38W Cassette Type, Ceiling Mounted Exhaust Fan, 8inches (Square)	set	10.00											
E.5	PANELBOARDS (bolt-on-type)													
E.5.1	MAIN DISTRIBUTION PANEL BOARD 2 (MDPB-2 SECOND FLOOR)	set	1.00											
	Main: 175AT/200AF, 42KAIC, 3-pole													
	Branch:													
	2-100AT/200AF, 3-pole													
	1-60AT/100AF, 3-pole													
E.5.2	MAIN DISTRIBUTION PANEL BOARD 3 (MDPB-3 BASEMENT)	set	1.00											
	Main: 200AT/250AF, 42KAIC, 3-pole													
	Branch:													
	1-175AT/200AF, 3-pole													
	1-150AT/200AF, 3-pole													
	1-100AT/200AF, 3-pole													
	1-100AT/200AF, 2-pole													
E.5.3	PB-1 (GROUND FLOOR)	set	1.00											
	Main: 100AT/200AF, 15KAIC, 3-pole													
	Branch:													
	2-20AT, 2-pole													
	14-30AT, 2-pole													
E.5.4	PB-2 (SECOND FLOOR)	set	1.00											
	Main: 100AT/200AF, 15KAIC, 3-pole													
	Branch:													
	2-20AT, 2-pole													
	14-30AT, 2-pole													
E.5.5	PB-3 (THIRD FLOOR)	set	1.00											
	Main: 60AT/100AF, 15KAIC, 3-pole													
	Branch:													
	2-20AT, 2-pole													
	6-30AT, 2-pole													
E.6	FIRE ALARM SYSTEM													
E.6.1	Fire Alarm Controller, 4 zones, 230V power supply w/ standby battery, non-voltage transfer contact, zone alarm indicator, main sounder, dead front construction, UL	set	1.00											
E.6.2	Manual Pull Station	set	7.00											
E.6.3	Bell, 24 Vdc, 6" dia	pcs	7.00											
E.6.4	Smoke Detector, 24 Vdc, photoelectric type	pcs	11.00											
E.6.5	TF Wire, 1.25 mm	m	744.00											
E.6.6	20 mm dia x 3.00 m PVC Pipe	length	146.00											
E.6.7	PVC Adapter Locknut, 20mm dia	pcs	250.00											
E.6.8	PVC Elbow, 20mm dia	pcs	150.00											
E.6.9	Utility Box, PVC ga 16	pcs	14.00											
E.6.10	Junction Box, PVC, ga 16	pcs	109.00											
E.6.11	Emergency Exit Lights, luminous	pcs	13.00											
E.6.12	Emergency Light with Battery and Charger, LED	pcs	13.00											
E.6.13	Fire extinguisher, 10 lbs, ABC type, including cabinet (metal frame with glass frontage)	set	12.00											
E.7	TELEPHONE / DATA SYSTEM													
E.7.1	Utility Box, PVC ga 16	pcs	31.00											
E.7.2	20 mm dia x 3.00 m PVC Pipe	length	252.00											
E.7.3	PVC Adapter Lock Nut, 20 mm dia	pcs	235.00											
E.7.4	PVC Long Elbow, 20 mm dia	pcs	210.00											
E.7.5	Alpesh Cable, 50 pairs	In/m	120.00											

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								PROFIT	OCM	%	VALUE			
(1)	(2)	(3)	(4)				(5)	(6)	(7)	(9)	(10)	(11)	(12)	(13)
E.7.6	16-Port Gigabit L2 Managed Switch with 2 Combs, 16 10/100/1000 Mbps RJ45 Ports Interface, 32Gbps bandwidth/backplane, 23.8Mbps Packet Forwarding Rate	set	2.00											
E.7.7	LAN Outlet w/ Plate and Cover	pcs	23.00											
E.7.8	Telephone Outlet w/ Plate and cover	pcs	4.00											
E.7.9	UTP Cable, Cat6, 4 pairs	m	1,080.00											
E.7.10	APC SMART UPS, 1500 VA LCS, 4 outlets, 230V	set	2.00											
E.7.11	Data Cabinet, 3 with built-in power strip and vertical Manager	set	2.00											
E.7.12	Interface to Existing Hospital Cabling System using fiber optic cable	job	1.00											
E.7.13	Digital Corded Telephone Unit	set	4.00											
E.8	PAGING SYSTEM													
E.8.1	Speakers, Ceiling Mounted, 6", 6 W, with matching transformer,101 volts	set	11.00											
E.8.2	Output Transformer	set	2.00											
E.8.3	Speaker Wire, #18	m	952.00											
E.8.4	Speaker Volume Control Switch, Detached Switch Rotary Type Wall Mounted	pcs	11.00											
E.8.5	Utility Box, PVC	pcs	20.00											
E.8.6	Junction Box, PVC	pcs	72.00											
E.8.7	20 mm dia x 3.00 m PVC Pipe	length	160.00											
E.8.8	PVC Adapter Lock Nut, 20 mm dia	pcs	251.00											
E.8.9	PVC Long Elbow, 20 mm dia	pcs	150.00											
E.9	CCTV SYSTEM													
E.9.1	Vandal Proof BULLET Camera, 2MP HD-CVI, 0.005Lux/ F1.4 Starlight IR Bullet, 120kb True WDR, 100m Smart IR Length, 2.7- 12mm Motorized Lens, IP67, IK10, AC24V/DC12V	set	2.00											
E.9.2	2MP Starlight VF DOME CAMERA: CVI/TVI/AHD/CVBS & I, 2.7- 12mm Motorized Varifocal Lens, 30fps @1080P, 60fps@720P, 60m IR Distance, IP67	set	6.00											
E.9.3	DVR, Stand Alone, 8 Channels, IP Camera input up to 5MP, Penta Brid (CVBS/HDCVI/AHD/TVI/IPC) self-adaptive, 1U 2HDD	set	1.00											
E.9.4	Hard Disk, 3 TB, CCTV Purple Drive 5900 rpm	set	1.00											
E.9.5	32" Flat LED TV Monitor	set	1.00											
E.9.6	RG-6 Siamese Coaxial Cable	m	375.00											
E.9.7	RG-6 BNC Connector	set	20.00											
E.9.8	APC SMART UPS, 1500 VA LCS, 4 outlets, 230V	set	1.00											
E.9.9	20 mm dia x 3.00 m PVC Pipe	length	114.00											
E.9.10	PVC Adapter Lock Nut, 20 mm dia	pcs	32.00											
E.9.11	PVC Long Elbow, 20 mm dia	pcs	67.00											
E.9.12	Junction Box, PVC	pcs	12.00											
E.9.13	Square Box, White 15cm x 15 cm PVC	pcs	8.00											
E.10	SERVICE ENTRANCE													
E.10.1	Copper Wires, THHN, 100.0 sq.mm	m	90.00											
E.10.2	Copper Wires, THHN, 30.0 sq.mm	m	30.00											
E.10.3	65 mm dia x 3.00 m RSC Pipe	pcs	13.00											
E.10.4	63 mm dia x 6.00 m G.I. Pipe	pcs	2.00											
E.10.5	RSC, Coupling, 65 mm dia	pcs	13.00											
E.10.6	RSC, Elbow, 65 mm dia	pcs	10.00											
E.10.7	RSC, Clamp, 65 mm dia	pcs	39.00											
E.10.8	Entrance cap, 65mm dia	pcs	1.00											
E.10.9	Full threaded Rod, 12mm	pcs	5.00											
E.10.10	Expansion bolt, nut and washer	set	10.00											
E.10.11	Solderless Connector for 50 sq.mm, Copper	pcs	8.00											
E.10.12	Secondary Rack with spool, Triple	pcs	4.00											
E.10.13	Grounding Rod with clamp and accessories	set	1.00											
E.10.14	Cable Tray, Ladder Type, 20x 40cm, ga.16, with support and accessories	ln.m.	12.00											
	sub-total													
P&S	PLUMBING AND SANITARY WORKS													
	* Consumables such as teflon tape, pvc cement, hangers, etc shall be inclusive within the unit cost of each item													
P&S.1	PLUMBING FIXTURES													
P&S.1.1	Water Closet Type 1 w/ Complete Accessories	set	6.00											
	Specification:													
	* Closed coupled lever type single flush													
	* L670mm x W375mm x H720mm													
	* Rough-in: 300mm from wall													
	*Flushing Water consumption per flush: 4.8 LPF													
	*Flushing System: Wash down													
	Accessories:													
	* Stainless Steel (SUS304) two way angle valve													
	* Stainless Steel (SUS304) Flexible hose													
	* Stainless Steel (SUS304) Spray Bidet													
	* Heavy duty Toilet seat													
P&S.1.2	Water Closet Type 2 w/ Complete Accessories	set	4.00											
	Specification:													
	* Closed coupled push button dual flush water closet													
	* L1700mm x W380mm x H805mm													
	* Rough-in: 300mm from wall													
	*Flushing Water consumption per flush: 3/4.8 LPF													
	*Flushing System: Siphon Jet													
	Accessories:													
	* Stainless Steel (SUS304) two way angle valve													
	* Stainless Steel (SUS304) Flexible hose													
	* Stainless Steel (SUS304) Spray Bidet													

DETAILED ESTIMATES

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST	MATERIALS	LABOR & EQUIPMENT	ESTIMATED DIRECT COST	MARK-UPS IN %		TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST
								PROFIT	OCM	%	VALUE			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	* Heavy duty Toilet seat													
P&S.1.3	Urinal w/ Complete Accessories	set	1.00											
	Specification:													
	* Wall Hanged w/ Integrated Trap System													
	* L480mm x W335mm x H745mm													
	* Drain Rough-in: 450 mm from floor													
	* Water Rough-in: 292 mm from top of urinal, 121mm from center													
	* Water consumption per flush: 1.9 L/PF													
	* Flush Valve: Lever Type													
	Accessories:													
	* Stainless Steel (SUS304) Flush valve w/ 3/4" vacumm breaker													
P&S.1.4	Under Counter Wash Basin	set	3.00											
	Accessories:													
	* Faucet: Stainless steel (SUS304) Single hole, single lever basin faucet													
	* Stainless Steel (SUS304) Flexible hose													
P&S.1.5	Under Counter Stainless Steel Wash Sink	set	2.00											
	Specification:													
	* Deep type Stainless steel (sus 304)													
	* Minimum dimension: L60 cm x W45 cm x H20 cm													
	Accessories:													
	* Faucet: Stainless steel (SUS304) Single hole, single lever basin faucet													
	* Stainless Steel (SUS304) Flexible hose													
P&S.1.6	Short Pedestal Type Wash Basin	set	13.00											
	* L585mm x W425 x H500 mm													
	Accessories:													
	* Stainless Steel (SUS304) angle valve													
	* Stainless Steel (SUS304) Flexible hose													
	* Faucet: Stainless steel (SUS304)Single hole, single lever basin faucet													
P&S.1.7	Shower Set w/ Complete Accessories	set	4.00											
	* Stainless steel (sus 304)													
	* Rain shower head w/ two way faucet													
	Accessories:													
	* Stainless Steel (SUS304) support and bracket													
	* Stainless Steel (SUS304) Flexible hose													
P&S.1.8	Hose Bib w/ Complete Accessories	set	1.00											
P&S.1.9	Floor Drain	set	14.00											
	* Heavy Duty Stainless Steel													
	* 4" x 4" Square Type													
P&S.1.10	Stainless Grab Bar & Towel Bar	m	5.00											
	* Heavy Duty Stainless Steel													
	* 40mm Dia x 1.5 mm thk.													
P&S.1.11	Facial Mirror	sqm	3.50											
	*6mm Thk Mirror													
	* w/ 6mm thk plywood Backing													
P&S.1.12	Soap Holder	set	13.00											
	* Ceramic body													
	*Dimension: L155 x W85 x H155 mm													
P&S.1.13	Tissue Holder	set	10.00											
	* Ceramic body													
	*Dimension: L151 x W72 x H151 mm													
P&S.1.14	3500L Stainless Steel (SUS304) Water Tank with Stand & Pedestal	set	2.00											
P&S.2	WATER SUPPLY													
P&S.2.1	40 mm Ø (PN 20) - PPR	In.m	21.00											
P&S.2.2	32 mm Ø (PN 20) - PPR	In.m	33.00											
P&S.2.3	25 mm Ø (PN 20) - PPR	In.m	65.00											
P&S.2.4	20 mm Ø (PN 20) - PPR	In.m	118.00											
P&S.2.5	1-1/4" Dia Gate Valve - Brass	Pcs	2.00											
P&S.2.6	1" Dia Gate Valve - Brass	Pcs	3.00											
P&S.2.7	3/4" Dia Gate Valve - Brass	Pcs	4.00											
P&S.2.8	1/2" Dia Gate Valve - Brass	Pcs	8.00											
P&S.2.9	32 mm Dia Tee - PPR	Pcs	2.00											
P&S.2.10	32 mm x 25 mm Dia Tee Reducer - PPR	Pcs	7.00											
P&S.2.11	25 mm Dia Tee - PPR	Pcs	5.00											
P&S.2.12	25 mm x 20 mm Dia Tee Reducer - PPR	Pcs	17.00											
P&S.2.13	20 mm Dia Tee - PPR	Pcs	38.00											
P&S.2.14	40 mm Dia Union - PPR	Pcs	4.00											
P&S.2.15	32 mm Dia Union - PPR	Pcs	6.00											
P&S.2.16	25 mm Dia Union - PPR	Pcs	8.00											
P&S.2.17	20 mm Dia Union - PPR	Pcs	16.00											
P&S.2.18	40 mm Dia End Cap - PPR	Pcs	3.00											
P&S.2.19	32 mm Dia End Cap - PPR	Pcs	3.00											
P&S.2.20	25 mm Dia End Cap - PPR	Pcs	7.00											
P&S.2.21	20 mm Dia End Cap - PPR	Pcs	45.00											
P&S.2.22	40 mm Dia 90 deg Elbow- PPR	Pcs	5.00											
P&S.2.23	32 mm Dia 90 deg Elbow- PPR	Pcs	5.00											
P&S.2.24	25 mm Dia 90 deg Elbow- PPR	Pcs	11.00											

DETAILED ESTIMATES

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST	MATERIALS	LABOR & EQUIPMENT	ESTIMATED DIRECT COST	MARK-UPS IN %		TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST
								PROFIT	OCM	%	VALUE			
(1)	(2)	(3)	(4)				(5)	(6)	(7)	(9)	(10)	(11)	(12)	(13)
P&S.2.25	20 mm Dia 90 deg Elbow- PPR	Pcs	26.00											
P&S.2.26	40 mm Dia Coupling - PPR	Pcs	1.00											
P&S.2.27	32 mm Dia Coupling - PPR	Pcs	3.00											
P&S.2.28	25 mm Dia Coupling - PPR	Pcs	6.00											
P&S.2.29	20 mm Dia Coupling - PPR	Pcs	6.00											
P&S.2.30	40 mm x 32 mm Dia Coupling Reducer- PPR	Pcs	1.00											
P&S.2.31	32 mm x 25 mm Dia Coupling Reducer- PPR	Pcs	1.00											
P&S.2.32	25 mm x 20 mm Dia Coupling Reducer- PPR	Pcs	1.00											
P&S.2.33	20 mm x 1/2" Dia 90 deg Female Threaded Tee- PPR	Pcs	35.00											
P&S.2.34	20 mm x 1/2" Dia 90 deg Female Threaded Elbow- PPR	Pcs	2.00											
P&S.2.35	40 mm Dia x 1-1/4" Male Threaded Coupling- PPR	Pcs	4.00											
P&S.2.36	32 mm Dia x 1" Male Threaded Coupling- PPR	Pcs	6.00											
P&S.2.37	25 mm Dia x 3/4" Male Threaded Coupling- PPR	Pcs	8.00											
P&S.2.38	20 mm Dia x 1/2" Male Threaded Coupling- PPR	Pcs	16.00											
P&S.3	WASTEWATER DRAINAGE & VENT SYSTEM													
P&S.3.1	6" Dia uPVC Pipe (s-1000)	In.m	7.00											
P&S.3.2	4" Dia uPVC Pipe (s-1000)	In.m	139.00											
P&S.3.3	3" Dia uPVC Pipe (s-1000)	In.m	53.00											
P&S.3.4	2" Dia uPVC Pipe (s-1000)	pcs	41.00											
P&S.3.5	6" X 4" Wye - uPVC	Pcs	1.00											
P&S.3.6	4" X 3" Wye - uPVC	Pcs	4.00											
P&S.3.7	4" X 2" Wye - uPVC	Pcs	2.00											
P&S.3.8	3" X 3" Wye - uPVC	Pcs	13.00											
P&S.3.9	3" X 2" Sanitary Tee - uPVC	Pcs	19.00											
P&S.3.10	2" X 2" Sanitary Tee - uPVC	Pcs	23.00											
P&S.3.11	2" 90 Deg Elbow - uPVC	Pcs	23.00											
P&S.3.12	4" 45 Deg Elbow - uPVC	Pcs	4.00											
P&S.3.13	3" 45 Deg Elbow - uPVC	Pcs	20.00											
P&S.3.14	2" 45 Deg Elbow - uPVC	Pcs	8.00											
P&S.3.15	4" Dia Cleanout - uPVC	Pcs	4.00											
P&S.3.16	3" Dia Cleanout - uPVC	Pcs	14.00											
P&S.3.17	2" Dia Cleanout - uPVC	Pcs	2.00											
P&S.3.18	2" U-Trap -uPVC	Pcs	27.00											
P&S.4	STORM WATER DRAINAGE SYSTEM													
P&S.4.1	6" Dia uPVC Pipe (s-1000)	In.m	16.00											
P&S.4.2	3" Dia uPVC Pipe (s-1000)	In.m	123.00											
P&S.4.3	Stainless Steel Dome Strainer (SUS304)	pcs	8.00											
P&S.4.4	3" 45 Deg Elbow - uPVC	Pcs	8.00											
P&S.4.5	3" 22.5 Deg Elbow - uPVC	Pcs	8.00											
P&S.4.6	3" X 3" Wye - uPVC	Pcs	8.00											
	sub-total													
FI	FIRE PROTECTION WORKS													
	* Consumables such as teflon tape, hangers, welding rod, gasket maker, etc shall be inclusive within the unit cost of each item													
FI.1	FIRE PROTECTION PIPE SYSTEM													
FI.1.1	65 mm Dia Schedule 40 B.1. Pipe	In.m	47.00											
FI.1.2	50 mm Dia Schedule 40 B.1. Pipe	In.m	29.20											
FI.1.3	40 mm Dia Schedule 40 B.1. Pipe	In.m	20.60											
FI.1.4	32 mm Dia Schedule 40 B.1. Pipe	In.m	11.40											
FI.1.5	25 mm Dia Schedule 40 B.1. Pipe	In.m	124.00											
FI.2	FIRE PROTECTION DEVICES & ACCESSORIES													
FI.2.1	Sprinkler Head (Pendant type with escutcheon)	pcs	75.00											
FI.2.2	Sprinkler Head (Upright type)	pcs	2.00											
FI.2.3	Gate Valve Supervisory Switch	pcs	1.00											
FI.2.4	Gate Valve (65mm dia)	pcs	3.00											
FI.2.5	Gate Valve (25mm dia)	pcs	3.00											
FI.2.6	Floor Control Valve with sight glass, bypass and accessories	pcs	3.00											
FI.2.7	Alarm Check Valve with retard chamber (65mm dia)	pcs	3.00											
FI.2.8	Fire Hose Cabinet	set	3.00											
FI.2.9	Portable Fire Extinguisher	set	3.00											
FI.2.10	Fire Hose Coupling w/ Chain	set	3.00											
FI.2.11	Sprinkler Alarm Control Panel	pcs	1.00											
FI.2.12	Site Glass (25mm dia), UL-FM	pcs	3.00											
FI.2.13	Fire Hose Connection	pcs	1.00											
FI.2.14	Flow Switch	pcs	3.00											
FI.2.15	Inspector test valve and connection (25mm dia)	pcs	3.00											
FI.2.16	Tee, 65 mm	pcs	1.00											
FI.2.17	Tee, 50 mm	pcs	1.00											
FI.2.18	Tee, 40 mm	pcs	1.00											
FI.2.19	Tee, 32 mm	pcs	16.00											
FI.2.20	Tee, 25 mm	pcs	39.00											
FI.2.21	Reducing Tee, 65 mm x 50 mm	pcs	4.00											
FI.2.22	Reducing Tee, 50 mm x 40 mm	pcs	20.00											
FI.2.23	Reducing Tee, 50 mm x 25 mm	pcs	2.00											
FI.2.24	Reducing Tee, 40 mm x 32 mm	pcs	2.00											
FI.2.25	Reducing Tee, 40 mm x 25 mm	pcs	2.00											
FI.2.26	Reducing Tee, 32 mm x 25 mm	pcs	13.00											
FI.2.27	Coupling Reducer, 65 mm x 40 mm	pcs	3.00											
FI.2.28	Coupling Reducer, 32 mm x 25 mm	pcs	12.00											
FI.2.29	Coupling Reducer, 25 mm x 15 mm	pcs	75.00											
FI.2.30	90 deg Elbow, 65 mm	pcs	6.00											

Republic of the Philippines
 Department of Health
 Baguio General Hospital and Medical Center
 Project Title : COMPLETION OF PCR EXTENSION

DETAILED ESTIMATES

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST	MATERIALS	LABOR & EQUIPMENT	ESTIMATED DIRECT COST	MARK-UPS IN %		TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST
								PROFIT	OCM	%	VALUE			
(1)	(2)	(3)	(4)				(5)	(6)	(7)	(9)	(10)	(11)	(12)	(13)
Fl.2.31	90 deg Elbow, 40 mm	pcs	18.00											
Fl.2.32	90 deg Elbow, 25 mm	pcs	122.00											
	sub-total				-	-	-				-	-	-	-
H	HVAC WORKS													
H.1	AIR CONDITIONING DEVICES & ACCESSORIES													
H.1.1	Wall Mounted Ducted/Split Type 2 HP, AC Unit , 220v-1ph-60hz - inverter type	lot	4.00											
H.1.2	Wall Mounted Ducted/Split Type 1.0 HP, AC Unit , 220v-1ph-60hz - inverter type	lot	6.00											
H.1.3	1/2" Diameter Copper tube refrigerant line with rubber insulation	ln.m.	40.00											
	TOTAL				-	-	-				-	-	-	-