

Republic of the Philippines
Department of Health
Baguio General Hospital and Medical Center
PROPOSED BGHMC TRAUMA CENTER BUILDING PHASE IV
BILL OF QUANTITIES

APPROVED BUDGET FOR THE CONTRACT = 95,000,000.00 PESOS ONLY
CONTRACT DURATION = 270 CALENDAR DAYS

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)	(4a)	(4) = (4a) x (3)	(5a)	(5) = (5a) x (3)	(6)	(6a) x (3)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) + (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
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 Barracks, Offices * Note: Workers barracks must be off-site * Includes Office supplies (Bond paper, printer ink, folder, arch file, etc) and basic Utilities (Water, Electricity, Internet connection) for the consultant (PCMT) shall be part of deliverables of the contractor.	lot	1.00															
G.4	Provisions for Health, Security and Safety * Implementation of Construction Safety and Health Program (DOLE Approved) * 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															
G.5	Equipment for the Engineer (Project Management Team)																	
G.5.1	LAPTOP (Brand New) Processor: 10th Generation, 3.7GHz, 8 Cores, 16 threads, 6MB Cache or higher Storage: 512 GB SSD + 1TB SATA 5400RPM or higher Video Memory: 6GB of GDDR5 Audio: two built-in stereo speakers, built-in microphone Preinstalled and Licensed Windows 10 Home 64-bit Connectivity: LAN, HDMI, VGA, USB 3.0 ports, Bluetooth, SD Card reader, w/ built-in camera Warranty: 1 year parts - 1 years Labor	set	3.00															
G.5.2	PRINTER (Brand New) All-in-One Ink Tank Printer (Built-in ink tank, not upgrade) Draft, A3 (Black/Colour): Up to 33 ppm/ 15 ppm Maximum Print Resolution: 5760 x 1440 dpi Spill-free, error-free refilling Functions: Print, Copy, Scan Piezo type print head	set	2.00															
	sub-total																	
ES	EARTH WORKS / SITE WORKS																	
ES.1	Structural Excavation w/ Hauling	cu.m	50.00															
ES.2	Embankment / Backfilling and Compaction	cu.m	5.00															
ES.3	Gravel Bedding	cu.m	3.00															
S	STRUCTURAL WORKS																	
S.1	ELEVATOR SHAFT / SHEAR WALL / RETAINING WALL																	
S.1.1	Structural Concrete (4000 PSI @ 28 days, pouring, curing)	cu.m	100.00															
S.1.1.1	Fourth Floor to Fifth Floor Level	cu.m	26.00															

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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)	(6)	(6) = (6a) x (3)	(7)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) + (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
S.1.1.2	Fifth Floor to Sixth Floor Level	cu.m	26.00																
S.1.1.3	Sixth Floor to Lower Roofdeck Floor Level	cu.m	26.00																
S.1.1.4	Lower Roofdeck Floor to Upper Roofdeck Floor Level	cu.m	22.00																
S.1.2	Reinforcing Bars (Grade 60, Fabrication, Installation)	kgs	31,794.00																
S.1.2.1	Fourth Floor to Fifth Floor Level	kgs	7,603.00																
S.1.2.2	Fifth Floor to Sixth Floor Level	kgs	7,603.00																
S.1.2.3	Sixth Floor to Lower Roofdeck Floor Level	kgs	8,294.00																
S.1.2.4	Lower Roofdeck Floor to Upper Roofdeck Floor Level	kgs	8,294.00																
S.1.3	Formworks and Falseworks (Fabrication, Installation, and Stripping)	sq.m	528.00																
S.1.3.1	Fourth Floor to Fifth Floor Level	sq.m	137.00																
S.1.3.2	Fifth Floor to Sixth Floor Level	sq.m	137.00																
S.1.3.3	Sixth Floor to Lower Roofdeck Floor Level	sq.m	137.00																
S.1.3.4	Lower Roofdeck Floor to Upper Roofdeck Floor Level	sq.m	117.00																
S.2	RC COLUMNS																		
S.2.1	Structural Concrete (4000 PSI @ 28 days,pouring, curing)	cu.m	136.00																
S.2.1.1	Fourth Floor to Fifth Floor Level	cu.m	37.00																
S.2.1.2	Fifth Floor to Sixth Floor Level	cu.m	37.00																
S.2.1.3	Sixth Floor to Lower Roofdeck Floor Level	cu.m	37.00																
S.2.1.4	Lower Roofdeck Floor to Upper Roofdeck Floor Level	cu.m	25.00																
S.2.2	Reinforcing Bars (Grade 60, Fabrication, Installation)	kgs	41,063.00																
S.2.2.1	Fourth Floor to Fifth Floor Level	kgs	12,907.00																
S.2.2.2	Fifth Floor to Sixth Floor Level	kgs	11,697.00																
S.2.2.3	Sixth Floor to Lower Roofdeck Floor Level	kgs	11,521.00																
S.2.2.4	Lower Roofdeck Floor to Upper Roofdeck Floor Level	kgs	4,938.00																
S.2.3	Formworks and Falseworks (Fabrication, Installation, and Stripping)	sq.m	761.00																
S.2.3.1	Fourth Floor to Fifth Floor Level	sq.m	206.00																
S.2.3.2	Fifth Floor to Sixth Floor Level	sq.m	206.00																
S.2.3.3	Sixth Floor to Lower Roofdeck Floor Level	sq.m	206.00																
S.2.3.4	Lower Roofdeck Floor to Upper Roofdeck Floor Level	sq.m	143.00																
S.3	RC BEAMS																		
S.3.1	Structural Concrete (4000 PSI @ 28 days,pouring, curing)	cu.m	365.00																
S.3.1.1	Fourth Floor	cu.m	82.00																
S.3.1.2	Fifth Floor	cu.m	82.00																
S.3.1.3	Sixth Floor	cu.m	82.00																
S.3.1.4	Lower Roofdeck Floor	cu.m	82.00																
S.3.1.5	Upper Roofdeck Floor	cu.m	37.00																
S.3.2	Reinforcing Bars (Grade 60, Fabrication, Installation)	kgs	134,367.00																
S.3.2.1	Fourth Floor	kgs	29,496.00																
S.3.2.2	Fifth Floor	kgs	29,496.00																
S.3.2.3	Sixth Floor	kgs	29,496.00																
S.3.2.4	Lower Roofdeck Floor	kgs	29,496.00																
S.3.2.5	Upper Roofdeck Floor	kgs	16,383.00																
S.3.3	Supply and Installation of Post-Tensioning (Design, Supply of labor & materials, Fabrication, Installation)																		
S.3.3.1	Fourth Floor	lot	1.00																
S.3.3.2	Fifth Floor	lot	1.00																
S.3.3.3	Sixth Floor	lot	1.00																

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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)	(4a)	(4) = (4a) x (3)	(5a)	(5) = (5a) x (3)	(6)	(6) = (6a) x (3)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) + (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
S.3.3.4	Lower Roofdeck Floor	lot	1.00															
S.3.4	Formworks and Falseworks (Fabrication, Installation, and Stripping)	sq.m	2,602.00															
S.3.4.1	Fourth Floor	sq.m	586.00															
S.3.4.2	Fifth Floor	sq.m	586.00															
S.3.4.3	Sixth Floor	sq.m	586.00															
S.3.4.4	Lower Roofdeck Floor	sq.m	586.00															
S.3.4.5	Upper Roofdeck Floor	sq.m	258.00															
S.4	RC SLAB																	
S.4.1	Structural Concrete (4000 PSI @ 28 days,pouring, curing)	cu.m	483.00															
S.4.1.1	Fourth Floor	cu.m	113.00															
S.4.1.2	Fifth Floor	cu.m	113.00															
S.4.1.3	Sixth Floor	cu.m	113.00															
S.4.1.4	Lower Roofdeck Floor	cu.m	113.00															
S.4.1.5	Upper Roofdeck Floor	cu.m	31.00															
S.4.2	Reinforcing Bars (Grade 60, Fabrication, Installation)	kgs	73,463.00															
S.4.2.1	Fourth Floor	kgs	16,558.00															
S.4.2.2	Fifth Floor	kgs	16,558.00															
S.4.2.3	Sixth Floor	kgs	16,558.00															
S.4.2.4	Lower Roofdeck Floor	kgs	21,628.00															
S.4.2.5	Upper Roofdeck Floor	kgs	2,161.00															
S.4.3	Metal Decking (1.2mm thk)	sq.m	4,197.00															
S.4.3.1	Fourth Floor	sq.m	990.00															
S.4.3.2	Fifth Floor	sq.m	990.00															
S.4.3.3	Sixth Floor	sq.m	990.00															
S.4.3.4	Lower Roofdeck Floor	sq.m	990.00															
S.4.3.5	Upper Roofdeck Floor	sq.m	237.00															
S.4.4	Formworks and Falseworks (Fabrication, Installation, and Stripping)	sq.m	5.00															
S.4.4.1	Ground Floor Level	sq.m	5.00															
S.5	RCSTAIRS																	
S.5.1	Structural Concrete (4000 PSI @ 28 days,pouring, curing)	cu.m	41.00															
S.5.1.1	Third Floor to Fourth Floor Level	cu.m	9.00															
S.5.1.2	Fourth Floor to Fifth Floor Level	cu.m	9.00															
S.5.1.3	Fifth Floor to Sixth Floor Level	cu.m	9.00															
S.5.1.4	Sixth Floor to Lower Roofdeck Floor Level	cu.m	9.00															
S.5.1.5	Lower Roofdeck Floor to Upper Roofdeck Floor Level	cu.m	5.00															
S.5.2	Reinforcing Bars (Grade 60, Fabrication, Installation)	kgs	4,410.00															
S.5.2.1	Third Floor to Fourth Floor Level	kgs	980.00															
S.5.2.2	Fourth Floor to Fifth Floor Level	kgs	980.00															
S.5.2.3	Fifth Floor to Sixth Floor Level	kgs	980.00															
S.5.2.4	Sixth Floor to Lower Roofdeck Floor Level	kgs	980.00															
S.5.2.5	Lower Roofdeck Floor to Upper Roofdeck Floor Level	kgs	490.00															
S.5.3	Formworks and Falseworks (Fabrication, Installation, and Stripping)	sq.m	335.00															
S.5.3.1	Third Floor to Fourth Floor Level	sq.m	67.00															
S.5.3.2	Fourth Floor to Fifth Floor Level	sq.m	67.00															
S.5.3.3	Fifth Floor to Sixth Floor Level	sq.m	67.00															
S.5.3.4	Sixth Floor to Lower Roofdeck Floor Level	sq.m	67.00															
S.5.3.5	Lower Roofdeck Floor to Upper Roofdeck Floor Level	sq.m	67.00															

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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)	(6)	(6) = (6a) x (3)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) + (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
	sub-total																	
S.5.4	PROVISIONS OF ROUGH-INS																	
	Rough-ins and stub out for Mechanical, Electrical, Electronica & communications, Plumbing, Fire Protection, Medical Gas Lines, HVAC System, ETC																	
S.5.4.1	Third Floor to Fourth Floor Level	lot	1.00															
S.5.4.2	Fourth Floor to Fifth Floor Level	lot	1.00															
S.5.4.3	Fifth Floor to Sixth Floor Level	lot	1.00															
S.5.4.4	Sixth Floor to Lower Roofdeck Floor Level	lot	1.00															
S.5.4.5	Lower Roofdeck Floor to Upper Roofdeck Floor Level	lot	1.00															
	sub-total																	
C	CIVIL WORKS																	
C.1	CHB LAYERING																	
C.1.1	6" CHB (Layering, Installation of Reinforcing Bars)	sq.m	2,818.00															
	* Components: 6" CHB, 10mm dia RSB (Grade 60), #16 Tie Wires, Portland Cement, Sand, Foam, Stiffener Columns / Lintel Beams. Miscellaneous items																	
C.1.1.1	Second Floor	sq.m	521.00															
C.1.1.2	Third Floor	sq.m	407.00															
C.1.1.3	Fourth Floor	sq.m	480.00															
C.1.1.4	Fifth Floor	sq.m	480.00															
C.1.1.5	Sixth Floor	sq.m	480.00															
C.1.1.6	Lower Roofdeck & Upper Roofdeck Floor	sq.m	450.00															
C.2	PLASTERING WORKS																	
C.2.1	Cement Plaster Finish (Exterior.)	sq.m	3,157.00															
	* 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.																	
C.2.2.1	Second Floor	sq.m	625.00															
C.2.2.2	Third Floor	sq.m	489.00															
C.2.2.3	Fourth Floor	sq.m	595.00															
C.2.2.4	Fifth Floor	sq.m	595.00															
C.2.2.5	Sixth Floor	sq.m	595.00															
C.2.2.6	Lower Roofdeck Floor	sq.m	129.00															
C.2.2.7	Upper Roofdeck Floor	sq.m	129.00															
C.3	CANOPIES & LEDGES																	
C.3.1	Structural Concrete (3000 PSI @ 28 days, pouring, curing)	cu.m	31.00															
C.3.2	Reinforcing Bars (Grade 60, Fabrication, Installation)	kgs	2,674.00															
C.3.3	Formworks and Falseworks (Fabrication, Installation, and Stripping)	sq.m	322.00															
	sub-total																	
A	ARCHITECTURAL FINISHES																	
A.1	FLOOR FINISH																	
A.1.1	F-3: 2mm thk Sheet Vinyl, Anti-Bacterial, Homogenous, Non-Directional, Roll Form	sq.m	1,046.00															

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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)	(6)	(6a) x (3)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) + (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
	* Components: 2mm Roll-Form, Anti-Bacterial Homogeneous Vinyl, Non-directional (Installation shall be based on manufacturer's standard), Capping Strip, Cove Former, Floor Topping (Plain Cement Finish)/Self Leveling Grout, Primer, Adhesive, Miscellaneous items																	
A.1.1.1	Ground Floor	sq.m	1,046.00															
A.1.2	F-4: 2mm thk Sheet Vinyl, Anti-Bacterial, Anti-Static, Homogenous, Non-Directional, Roll Form	sq.m	134.00															
	* Components: 2mm Roll-Form, Anti-static, Anti-Bacterial Homogeneous Vinyl, Non-directional (Installation shall be based on manufacturer's standard), Capping Strip, Cove Former, Floor Topping (Plain Cement Finish)/Self Leveling Grout, Primer, Adhesive, Miscellaneous items																	
A.1.2.1	Ground Floor	sq.m	134.00															
A.1.3	F-5: 600mm X 600mm x 6.4 mm thk Full body Homogenous, Polished Floor Tile Finish	sq.m	67.00															
	*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.1.3.1	Ground Floor	sq.m	67.00															
A.1.4	F-9: Polyurethane-Based Epoxy Floor Coating Finish	sq.m	67.00															
	* Components: Polyurethane-Based Epoxy Coating System (Installation shall be based on manufacturer's standard), Floor Topping, Self Levelling Compound, Miscellaneous items																	
A.1.4.1	Ground Floor	sq.m	67.00															
A.2	BASEBOARD FINISH																	
A.2.1	B-1: 100mm High Baseboard Tile Finish to Match Floor Finish	ln.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.2.1.1	Ground Floor	ln.m	60.00															
A.3	CEILING FINISH																	
A.3.1	C-7: 200 mm Wide Powder Coated Aluminum Spandrel Ceiling Finish	sq.m	217.00															
	*Components: 200mm Wide Powder Coated Aluminum Spandrel (.6mm Thk), Double furring channel, Carrying channel, Double furring clip, Wall Angle, Concrete Nails, Blind Rivet/Screw, Hangers and Supports, Miscellaneous items																	
A.3.1.1	Ground Floor	sq.m	217.00															
A.4	WALL HARDWARE																	
A.4.1	Rubber Strip	sq.m	130.00															
A.4.1.1	Ground Floor	sq.m	130.00															
A.4.2	Crash Hand Rail	ln.m	126.00															
A.4.2.1	Ground Floor	ln.m	126.00															
A.4.3	Bumper Guard	ln.m	137.00															

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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)	(6)	(6a) x (3)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) + (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
A.4.3.1	Ground Floor	ln.m	137.00															
A.4.4	Corner Guard	ln.m	188.00															
A.4.4.1	Ground Floor	ln.m	188.00															
A.4.5	Jamb Guard	ln.m	57.00															
A.4.5.1	Ground Floor	ln.m	57.00															
	sub-total																	
D&W	DOORS AND WINDOWS																	
D&W.1	WINDOWS (Supply and Installation)																	
	* Note: Includes all accessories																	
D&W.1.1	Window Type: CW-08 (See Plans & Specifications)	set	1.00															
D&W.1.2	Window Type: CW-09 / CW-10 (See Plans & Specifications)	set	2.00															
D&W.1.3	Window Type: CW-11 (See Plans & Specifications)	set	1.00															
D&W.1.4	Window Type: CW-12 / CW-14 / CW-15 (See Plans & Specifications)	set	3.00															
D&W.1.5	Window Type CW-13 (See Plans & Specifications)	set	1.00															
D&W.1.6	Window & Door Type GF-01 (See Plans & Specifications)	set	1.00															
D&W.1.7	Window Type 2F-01 / 2F-02 / 2F-03 (See Plans & Specifications)	set	3.00															
D&W.1.8	Window Type 2F-04 / 2F-05 (See Plans & Specifications)	set	2.00															
D&W.1.9	Window Type 2F-06 / 2F-07 / 2F-08 / 2F-09 / 2F-10 / 2F-11 / 2F-12 / 2F-13 / 2F-14 / 2F-15 / 2F-16 / 2F-17 / 2F-18 / 2F-19 / 2F-20 / 2F-21 (See Plans & Specifications)	set	16.00															
D&W.1.10	Window & Door Type 2F-22 (See Plans & Specifications)	set	1.00															
D&W.1.11	Window Type 3F-04 / 2F-06 / 3F-08 / 3F-10 / 4F-04 / 4F-06 / 4F-08 / 4F-10 / 5F-04 / 5F-06 / 5F-08 / 5F-10 / 6F-04 / 6F-06 / 6F-08 / 6F-10 (See Plans & Specifications)	set	16.00															
D&W.1.12	Window Type 3F-03 / 3F-05 / 3F-07 / 3F-09 / 3F-11 / 3F-12 / 4F-03 / 4F-05 / 4F-07 / 4F-09 / 4F-11 / 4F-12 / 5F-03 / 5F-05 / 5F-07 / 3F-09 / 5F-11 / 5F-12 / 6F-03 / 6F-05 / 6F-07 / 6F-09 / 6F-11 / 6F-12 / (See Plans & Specifications)	set	24.00															
D&W.1.13	Window Type 3F-02 / 4F-02 / 5F-02 / 6F-02 (See Plans & Specifications)	set	4.00															
D&W.1.14	Window Type 3F-13 / 3F-14 / 3F-15 / 3F-16 / 3F-17 / 3F-18 / 3F-19 / 3F-20 / 3F-21 / 3F-22 / 3F-23 / 3F-24 / 3F-25 / 4F-13 / 4F-14 / 4F-15 / 4F-16 / 4F-17 / 4F-18 / 4F-19 / 4F-20 / 4F-21 / 4F-22 / 4F-23 / 4F-24 / 4F-25 / 5F-13 / 5F-14 / 5F-15 / 5F-16 / 5F-17 / 5F-18 / 5F-19 / 5F-20 / 5F-21 / 5F-22 / 5F-23 / 5F-24 / 5F-25 / 6F-13 / 6F-14 / 6F-15 / 6F-16 / 6F-17 / 6F-18 / 6F-19 / 6F-20 / 6F-21 / 6F-22 / 6F-23 / 6F-24 / 6F-25 (See Plans & Specifications)	set	52.00															
D&W.1.15	Window Type: I-GF-01 (See Plans & Specifications) * The same specifications to I-2F-01	set	1.00															
	sub-total																	
E	ELECTRICAL WORKS																	
	* Note: Consumables such as butane gas, pvc cement, electrical tape, hangers, etc shall be inclusive within the unit cost of each item																	
E.1	MAINS AND GROUNDING																	
	*Note : All Items in E.1 shall be compatible for each items and must perform its functionality during operation																	

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PROPOSED BGHMC TRAUMA CENTER BUILDING PHASE IV

BILL OF QUANTITIES

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)	(4a)	(4) = (4a) x (3)	(5a)	(5) = (5a) x (3)	(6)	(6a) x (3)	(7)	(8)	(9)	(10) = (8) + (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
E.1.1	GENSET SYNCHRONIZING PANEL / Master Controller / Totalizer	set	1.00															
E.1.2	MAIN PANEL BOARD	set	1.00															
	Main: 2000AT/2000AF, 3P, 400/230V																	
	Branches:																	
	1 - 2000AT/2000AF, 3P, 400/230V																	
	1 - 200AT/225AF, 3P, 400/230V																	
E.1.3	LVSG-GF01	set	1.00															
	Main: 2000AT/2000AF, 3P, 400V																	
	Branches:																	
	1 - 600AT/800AF, 3P, 400/230V																	
	1 - 200AT/250AF, 3P, 400/230V																	
	2 - 400AT/4000AF, 3P, 400/230V																	
	3 - 200AT/225AF, 3P, 400/230V																	
	2 - 500AT/800AF, 3P, 400/230V																	
	1 - 30AT/100AF, 3P, 400/230V																	
	3 - 100AT/150AF, 3P, 400/230V																	
E.1.4	TVSS (Transient Voltage Surge Suppressor)	set	1.00															
E.1.5	Capacitor Bank	set	1.00															
E.1.6	UPS - 150KVA , 2 Strings, 30 Mins Capacity	set	1.00															
E.1.7	ATS - 200 AT, 3P, MCCB	set	2.00															
E.1.8	ATS - 2000 AT, 3P, MCCB	set	1.00															
E.1.9	GENERATOR SET	set	2.00															
	750 KW, 400V, 4P, 60Hz skid type																	
	Diesel Driven Silent Type																	
	With Power System Digital Monitoring Display and Controls, All Real Time I/O Metering Parameters																	
E.1.10	Pad Mounted Transformer (Out Door Type)	set	1.00															
	1- 1000KVA, 23KV-400Y/230V Three Phase																	
	Includes: Metering Equipment: Potential Transformer (1:100 Ratio) , Current Transformer (100:5 Ratio)																	
	Includes: Transformer Protection: Grounding, Surge Arresters, Lighting Arresters, Fuse Cut-outs and Fuse Links																	
	Includes: Perimeter Reflectorized Hazard Signs and Warning Labels																	
E.1.11	Load Break Switch (200A)	set	1.00															
E.1.12	Copper Wires, THWN-2/THHN, 100 sqmm, (Color Coded)	ln.m	1,000.00															
E.1.13	Copper Wires, THWN-2/THHN, 150 sqmm, (Color Coded)	ln.m	200.00															
E.1.14	Copper Wires, THWN-2/THHN, 200 sqmm, (Color Coded)	ln.m	250.00															
E.1.15	Copper Wires, THWN-2/THHN, 250 sqmm, (Color Coded)	ln.m	3,750.00															
E.1.16	Copper Wires, FIRE RATED, 100 sq.mm	ln.m	500.00															
E.1.17	50 mm2 HV XLPE, 15KV Cu	ln.m	150.00															
E.1.18	50 mm dia x 3.00 m IMC Pipe	ln.m	600.00															
E.1.19	65 mm dia x 3.00 m IMC Pipe	ln.m	50.00															
E.1.20	90 mm dia x 3.00 m IMC Pipe	ln.m	50.00															
E.1.21	110 mm dia x 3.00 m IMC Pipe	ln.m	750.00															

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BILL OF QUANTITIES

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)	(4a)	(4) = (4a) x (3)	(5a)	(5) = (5a) x (3)	(6)	(6) x (3)	(7) = (4) + (5) + (6)	(8)	(9)	(10) = (8) + (9)	(11) = (10) X (7)	(12) = % [(7) + (11)]	(13) = (11) + (12)	(14) = (7) + (13)	(15) = (14)/(3)
E.1.22	IMC Lock Nut and Bushing, 65 mm dia	sets	10.00															
E.1.23	IMC Lock Nut and Bushing, 90 mm dia	sets	10.00															
E.1.24	IMC Lock Nut and Bushing, 110 mm dia	sets	150.00															
E.1.25	IMC Elbow, 65 mm dia	sets	8.00															
E.1.26	IMC Elbow, 90 mm dia	sets	8.00															
E.1.27	IMC Elbow, 110 mm dia	sets	125.00															
E.1.28	IMC COUPLING, 65 mm dia	sets	3.00															
E.1.29	IMC COUPLING 90 mm dia	sets	3.00															
E.1.30	IMC COUPLING, 110 mm dia	sets	51.00															
	sub-total																	
	TOTAL																	

INSTRUCTIONS 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