

PROJECT Innovating Nuclear Medicine Research and Services: Development of Emerging PET Radiopharmaceuticals for Early Cancer Staging and Assessment of Biologic Functions in Cancer Cells BUILDING (C.Y. 2023) - Phase 4

LOCATION

OWNER Philippine Nuclear Research Institute (PNRI)

SUBJECT DETAILED ESTIMATES/BILL OF QUANTITIES

Item No.	ITEM/DESCRIPTION	QTY	UNIT	MATERIAL COST		LABOR COST		ESTIMATED DIRECT COST	MARK-UP IN PERCENT		TOTAL MARK-UP		VAT	TOTAL INDI. COST	TOTAL COST	UNIT COST
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)					(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
											(6)+(7)	(8)+(9)	5%*((5)+(9))	(9)+(10)	(5)+(11)	(12)/(13)
A	GENERAL REQUIREMENTS															
1	Mobilization/Demobilization (Manpower, Tools, materials and equipment)	1.00	lot													
2	Bonds/Insurance	1.00	lot													
3	Temporary Facilities and Fencing	1.00	lot													
4	As-Built plan (Signed and Sealed)	1.00	lot													
5	Project Billboard	1.00	lot													
	<i>Sub-total A</i>															
B	ELECTRICAL WORKS															
B.1	Supply and installation of Main Circuit Breakers and KW-HR Sub-meters at the Powerhouse															
1	Main Circuit Breaker, 3000AT, 3P, 400V, Industrial Type with Enclosure, Neutral and Ground Terminals	1.00	set													
2	Kw-Hr Sub-meter rated for 2000A, 3 Phase, 400V, with a neutral line and with a current transformer.	2.00	sets													
3	Metal Auxiliary Bus Bar Gutter	1.00	pc.													
4	Metal Auxiliary Circuit Breaker Gutter with one (1) set 1500AT, 3P, 400V Main Circuit Breaker and one (1) set 1250AT, 400V Main Circuit Breaker) Industrial Type	1.00	pc.													
	<i>Sub-total B.1</i>															
B.2	Supply and installation of Panelboards and Circuit Breakers (Cyclotron)															
1	Panelboard (MDP-C) - 1500AT 3P 400V Main CB: Industrial Type CB with Neutral and Ground Terminals Industrial Type Circuit Breaker Branches: 1 set - 500AT 3P 400V 1 set - 350AT 3P 400V 2 set - 250AT 3P 400V 3 sets - 200AT 3P 400V Molded Case Circuit Breaker Branches: 2 sets - 50AT 3P 400V 2 sets - 40AT 3P 400V	1.00	set													
2	Panelboard (C-LPP1) - 40AT 3P 400V Main CB: Molded Case CB with Neutral and Ground Terminal Molded Case Circuit Breaker Branches: 4 sets - 30AT 2P 240V 7 sets - 20AT 2P 240V	1.00	set													
3	Panelboard (C-LPP2) - 50AT 3P 400V Main CB: Molded Case CB with Neutral and Ground Terminal Molded Case Circuit Breaker Branches: 1 set - 40AT 2P 240V 4 sets - 30AT 2P 240V 11 sets - 20AT 2P 240V	1.00	set													
4	Panelboard (C-LPP3) - 40AT 3P 400V Main CB: Molded Case CB with Neutral and Ground Terminal Molded Case Circuit Breaker Branches: 5 sets - 30AT 2P 240V 7 sets - 20AT 3P 240V	1.00	set													
5	Panelboard (C-LPP4) - 50AT 3P 400V Main CB: Molded Case CB with Neutral and Ground Terminal Molded Case Circuit Breaker Branches: 10 sets - 30AT 2P 240V 4 sets - 20AT 2P 240V	1.00	set													
6	Panelboard (C-SPEC1) - 500AT 3P 400V Main CB: Industrial Type CB with Neutral and Ground Terminal Molded Case Circuit Breaker Branches: 9 sets - 50AT 3P 415V 1 set - 30AT 2P 240V 8 sets - 20AT 2P 240V	1.00	set													

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)					(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
											(6)+(7)	(8)*(5)	5%*[(5) +(9)]	(9)+(10)	(5) + (11)	(12)/(3)
7	Panelboard (C-SPEC2) - 200AT 3P 400V Main CB: Industrial Type CB with Neutral and Ground Terminal Molded Case Circuit Breaker Branches: 3 sets - 50AT 2P 240V 2 sets - 40AT 2P 240V 1 sets - 30AT 2P 240V 9 sets - 20AT 2P 240V	1.00	set													
8	Panelboard (C-SPEC3) - 200AT 3P 400V Main CB: Industrial Type CB with Neutral and Ground Terminal Molded Case Circuit Breaker Branches: 1 set - 50AT 3P 400V 1 set - 50AT 3P 200V 1 set - 100AT 3P 480V 12 sets - 30AT 2P 240V 5 sets - 20AT 2P 240V 1 set - 30AT 2P 120V	1.00	set													
9	Panelboard (C-ACCU) - 350AT 3P 400V Main CB: Industrial Type CB with Neutral and Ground Terminal Industrial Type Circuit Breaker Branches: 1 set - 200AT 3P 400V Molded Case Circuit Breaker Branches: 2 set - 70AT 3P 400V 1 set - 50AT 3P 400V	1.00	set													
10	Panelboard (C-HVAC) - 200AT 3P 400V Main CB: Industrial Type CB with Neutral and Ground Terminal Industrial Type Circuit Breaker Branches: 1 set - 200AT 2P 240V Industrial Type Circuit Breaker Branch Circuit Breaker Branches: 2 sets - 100AT 2P 240V 2 sets - 50AT 2P 240V 12 sets - 30AT 2P 240V 2 sets - 20AT 2P 240V	1.00	set													
11	Panelboard (C-FPP) - 400AT 3P 400V Main CB: Industrial Type CB with Neutral and Ground Terminal Industrial Type Circuit Breaker Branches: 1 set - 250AT 3P 240V Molded Case Circuit Breaker Branches: 1 sets - 50AT 3P 240V	1.00	set													
Sub-total B.2																
B.3	Supply and installations of Enclosed Circuit Breakers (Cyclotron)															
1	ECB with 250A 3P 220V , Molded Case Circuit Breaker, Indoor (C-FPP)	1.00	set													
2	ECB with 50A 3P 220V , Molded Case Circuit Breaker, Indoor (C-FPP)	1.00	set													
3	ECB with 100A 3P 480V , Molded Case Circuit Breaker, Indoor (C-SPEC3)	1.00	set													
4	ECB with 50A 3P 200V , Molded Case Circuit Breaker, Indoor (C-SPEC3)	1.00	set													
5	ECB with 50A 3P 400V , Molded Case Circuit Breaker, Indoor (C-SPEC3)	5.00	sets													
6	ECB with 30A 2P 100V , Molded Case Circuit Breaker, Indoor (C-SPEC3)	3.00	sets													
7	ECB with 50A 2P 240V , Molded Case Circuit Breaker, Indoor (C-SPEC2)	3.00	sets													
8	ECB with 40A 2P 240V , Molded Case Circuit Breaker, Indoor (C-LPP2, C-SPEC2)	3.00	sets													
9	ECB with 30A 2P 240V , Molded Case Circuit Breaker, Indoor (C-LPP3, C-SPEC1, C-SPEC3)	3.00	sets													
10	ECB with 20A 2P 240V , Molded Case Circuit Breaker, Indoor (C-SPEC1, C-SPEC2)	3.00	sets													
Sub-total B.3																
B.4	Supply and installation of Panelboards and Circuit Breakers (PET CT)															
1	Panelboard (MDP-P) - 1250AT 3P 400V Main CB: Industrial Type CB with Neutral and Ground Terminal Industrial Type Circuit Breaker Branches: 4 sets - 250AT 3P 400V 1 set - 350AT 3P 400V 2 set - 200AT 3P 400V	1.00	set													

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)					(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
											(6)+(7)	(8)*(5)	5%*((5)+(9))	(9)+(10)	(5)+(11)	(12)/(3)
	Molded Case Circuit Breaker Branches: 2 sets - 100AT 3P 400V 2 sets - 50AT 3P 400V															
2	Panelboard (P-LPP1) - 50AT 3P 400V Main CB: Molded Case CB with Neutral and Ground Terminal Molded Case Circuit Breaker Branches: 6 sets - 20AT 2P 240V	1.00	set													
3	Panelboard (P-LPP2) - 200AT 3P 400V Main CB: Industrial Type CB with Neutral and Ground Terminal Molded Case Circuit Breaker Branches: 1 sets - 100AT 3P 230V 13 sets - 30AT 2P 240V 7 sets - 20AT 2P 240V	1.00	set													
4	Panelboard (P-LPP3) - 100AT 3P 400V Main CB: Molded Case CB with Neutral and Ground Terminal Molded Case Circuit Breaker Branches: 3 sets - 40AT 2P 240V 5 sets - 30AT 2P 240V 6 sets - 20AT 2P 240V	1.00	set													
5	Panelboard (P-LPP4) - 100AT 3P 400V Main CB: Molded Case CB with Neutral and Ground Terminal Molded Case Circuit Breaker Branches: 7 sets - 20AT 2P 240V	1.00	set													
6	Panelboard (P-ACCU) - 350AT 3P 400V Main CB: Industrial Type CB with Neutral and Ground Terminal Industrial Type Circuit Breaker Branches: 1 set - 200AT 3P 400V Molded Case Circuit Breaker Branches: 1 set - 100AT 3P 400V Molded Case Circuit Breaker Branches: 1 set - 100AT 3P 400V (spare)	1.00	set													
7	Panelboard (P-HVAC) - 200AT 3P 400V Main CB: Industrial Type CB with Neutral and Ground Terminal Industrial Type Circuit Breaker Branches: 2 sets - 200AT 2P 400V Molded Case Circuit Breaker Branches: 3 sets - 40AT 2P 240V 3 sets - 20AT 2P 240V	1.00	set													
Sub-total B.4																
B.5	Supply and installations of Enclosed Circuit Breaker (PETCT)															
1	ECB with 40A 2P 240V, Bolt-on Type Circuit Breaker, Indoor (P-LPP3)	3.00	sets													
2	ECB with 100A 3P 220V, Molded Case Circuit Breaker, Indoor (P-LPP2)	1.00	set													
Sub-total B.5																
B.6	Supply and installation of wires/cables															
1	250 mm² THHN/THWN Wire	940.00	mtrs													
2	200 mm² THHN/THWN Wire	1,080.00	mtrs													
3	125 mm² THHN/THWN Wire	1,080.00	mtrs													
4	100 mm² THHN/THWN Wire	1,819.00	mtrs													
5	80 mm² THHN/THWN Wire	917.00	mtrs													
6	50 mm² THHN/THWN Wire (Ground wire, green color)	150.00	mtrs													
7	30 mm² THHN/THWN Wire	1,253.00	mtrs													
8	14 mm² THHN/THWN Wire	1,193.00	mtrs													
9	8.0 mm² THHN/THWN Wire	128.00	box													
10	5.5 mm² THHN/THWN Wire	90.00	box													
11	3.5 mm² THHN/THWN Wire	73.00	box													
12	2.0 mm² THHN/THWN Wire	35.00	box													
Sub-total B.6																

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)					(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
											(6)+(7)	(8)*(5)	5%*[(5)+(9)]	(9)+(10)	(5)+(11)	(12)/(3)
B.7	Supply and installations of Conduits and Fittings:															
	1. Completion of existing electrical pipe rough-ins for power at the ground floor, mezzanine, second floor, and roof deck, which includes conduits, boxes, and other related fittings.															
	2. Completion of existing electrical pipe rough-ins for emergency lighting supply lines at the ground floor, mezzanine, second floor, and roof deck, which includes conduits, boxes, and other related fittings.															
	3. Completion of existing electrical pipe rough-ins for lighting at the ground floor and mezzanine, which includes conduits, boxes, and other related fittings.															
	4. Supply and installation of electrical pipe rough-ins for the lightings on the second floor and roof deck, which includes conduits, boxes, and related fittings.															
	5. and other electrical works as indicated in the electrical plans.															
1	3-1/2" Ø RSC Pipe	90.00	pcs													
2	3-1/2" Ø RSC Bushing w/ Locknut	24.00	pcs													
3	3-1/2" Ø RSC Coupling	60.00	pcs.													
4	3-1/2" Ø RSC elbow	12.00	pcs.													
5	3" Ø RSC Pipe	109.00	pcs													
6	3" Ø RSC Bushing w/ Locknut	24.00	pcs													
7	3" Ø RSC Coupling	72.00	pcs.													
8	3" Ø RSC elbow	12.00	pcs.													
9	2-1/2" Ø RSC Pipe	51.00	pcs													
10	2-1/2" Ø RSC Bushing w/ Locknut	35.00	pcs													
11	2-1/2" Ø RSC Coupling	34.00	pcs													
12	2-1/2" Ø RSC elbow	17.00	pcs													
13	2" Ø RSC Pipe	12.00	pcs													
14	2" Ø RSC Bushing w/ Locknut	12.00	pcs													
15	2" Ø RSC Coupling	8.00	pcs													
16	2" Ø RSC elbow	4.00	pcs													
17	1-1/2" Ø RSC Pipe	18.00	pcs													
18	1-1/2" Ø RSC Bushing w/ Locknut	16.00	pcs													
19	1-1/2" Ø RSC Coupling	12.00	pcs													
20	1-1/2" Ø RSC elbow	6.00	pcs													
21	1-1/4" Ø RSC Pipe	16.00	pcs													
22	1-1/4" Ø RSC Bushing w/ Locknut	8.00	pcs													
23	1-1/4" Ø RSC Coupling	11.00	pcs													
24	1-1/4" Ø RSC elbow	5.00	pcs													
25	1" Ø RSC Pipe	285.00	pcs													
26	1" Ø RSC Bushing w/ Locknut	60.00	pcs													
27	1" Ø RSC coupling	190.00	pcs													
28	1" Ø RSC elbow	95.00	pcs													
29	3/4" Ø RSC Pipe	194.00	pcs													
30	3/4" Ø RSC Bushing w/ Locknut	78.00	pcs													
31	3/4" Ø RSC Coupling	129.00	pcs													
32	3/4" Ø RSC elbow	65.00	pcs													
33	1/2"Ø RSC Pipe	1,113.00	pcs													
34	1/2"Ø RSC Bushing w/ Locknut	445.00	pcs													
35	1/2"Ø RSC Coupling	742.00	pcs													
36	1/2"Ø RSC elbow	371.00	pcs													
37	Utility Box (Metal)	120.00	pcs													
38	Junction Box (Metal)	156.00	pcs													
39	Metal Pullboxes	20.00	pcs													

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)					(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
											(6)+(7)	(8)*(5)	5%*[(5)+(9)]	(9)+(10)	(5)+(11)	(12)/(3)
40	Miscellaneous (installations of ground rods/cables, handholes, pipe supports/hangers)	1.00	lot													
Sub-total B.7																
B.8	Supply and installation of Power Generator and Automatic Transfer Switch (ATS)															
1	Diesel Engine #2, 1000KVA/800KW, standby power, coupled Brushless Alternator, 60HZ, 400V, three-phase,1800RPM, 0.8p.f., complete with factory assembled soundproof enclosure and comes with standard accessories.	1.00	unit													
2	Automatic Transfer Switch #1 (1500A) ATS	1.00	unit													
Sub-total B.8																
B.9	Surveillance System															
B.9.1	Supply and installation of rough-ins for CCTV - Cyclotron (Ground Floor and Mezzanine Floor)															
1	-CAT6 Cable (See drawing details: Shaded and Unshaded areas)	14.00	box													
2	-CAT6 Connector	170.00	pcs													
3	-20mm Ø PVC Male Adapter with Locknut	863.00	pcs													
4	-20mmØ PVC Elbow	125.00	pcs													
5	-20mmØ PVC Pipe (inside diameter) (See drawing details: Unshaded areas)	694.00	pcs													
6	PVC Junction Box	125.00	pcs													
7	PVC Square Box	143.00	pcs													
8	Miscellaneous and consumables (conduit supports/hangers with U-bolts and threaded round bars)	130.00	sets													
Sub-total B.9.1																
B.9.2	Supply and installations of rough-ins for CCTV - PET CT (Second Floor and Roof Deck Floor)															
1	-CAT6 Cable (See drawing details: Shaded and Unshaded areas)	10.00	box													
2	-CAT6 Connector	70.00	pcs													
3	-20mmØ PVC Male Adapter with Locknut	826.00	pcs													
4	-20mmØ PVC Elbow	62.00	pcs													
5	-20mmØ PVC Pipe (inside diameter) (See drawing details: Unshaded areas)	408.00	pcs													
6	PVC Junction Box	101.00	pcs													
7	PVC Square Box	125.00	pcs													
8	Miscellaneous and consumables (conduit supports/hangers with U-bolts and threaded round bars)	110.00	sets													
Sub-total B.9.2																
B.9.3	Security Door Access and Identification -RFID															
B.9.3.1	Supply and installation of rough-ins for RFID SYSTEM - CYCLOTRON & PET CT (Ground Floor, Mezzanine Floor, Second Floor, and Roof Deck Floor)															
1	-CAT6 Cable (See drawing details: Shaded and Unshaded areas)	15.00	box													
2	-CAT6 Connector	103.00	pcs													
3	-20mmØ PVC Male Adapter with Locknut	584.00	pcs													
4	-20mmØ PVC Elbow	156.00	pcs													
5	-20mmØ PVC Pipe (inside diameter) (See drawing details: Unshaded areas)	529.00	pcs													
6	PVC Utility Box	25.00	pcs													
7	PVC Junction Box	73.00	pcs													
8	PVC Square Box	91.00	pcs													
9	Miscellaneous and consumables (conduit supports/hangers with U-bolts and threaded round bars)	130.00	sets													
Sub-total B.9.3.1																
B.9.3.2	Supply and installations of rough-ins for Voice Intercom and Trunkline - Telephony (Ground Floor, Mezzanine Floor, Second Floor, and Roof Deck Floor)															

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		OCM	PROFIT	%	VALUE					
(1)	(2)	(3)	(4)					(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
											(6)+(7)	(8)*(5)	5%*[(5) +(9)]	(9)+(10)	(5) + (11)	(12)/(3)	
1	-CAT6 Cable (See drawing details: Shaded and Unshaded areas)	25.00	box														
2	-CAT6 Connector	270.00	pcs														
3	-20mmØ PVC Male Adapter with Locknut	371.00	pcs														
4	-20mmØ PVC Elbow	142.00	pcs														
5	-20mmØ PVC Pipe (inside diameter) (See drawing details: Unshaded areas)	1,124.00	pcs														
6	PVC Utility Box	85.00	pcs														
7	PVC Junction Box	93.00	pcs														
8	PVC Square Box	100.00	pcs														
9	Miscellaneous and consumables (conduit supports/hangers with U-bolts and threaded round bars)	230.00	sets														
Sub-total B.9.3.2																	
B.9.3.3	Supply and installation of rough-ins for Local Area Network and Wireless LAN (Ground Floor, Mezzanine Floor, Second Floor, and Roof Deck Floor)																
1	-20mmØ PVC Male Adapter with Locknut	123.00	pcs														
2	-20mmØ PVC Elbow	100.00	pcs														
3	-20mmØ PVC Pipe (inside diameter) (See drawing details: Unshaded areas)	1,156.00	pcs														
4	-CAT6 Cable (See drawing details: Shaded and Unshaded areas)	40.00	box														
5	-CAT6 Connector	350.00	pcs														
6	PVC Utility Box	107.00	pcs														
7	PVC Junction Box	206.00	pcs														
8	PVC Square Box	150.00	pcs														
9	Miscellaneous and consumables (conduit supports/hangers with U-bolts and threaded round bars)	230.00	sets														
Sub-total B.9.3.3																	
Sub-total B.9.3																	
Sub-total B.9																	
B.10	Supply and installation of rough-ins for Fire Alarm Detection System (FDAS) (Ground Floor, Mezzanine Floor, Second Floor, and Roof Deck Floor)																
1	1.25 mm ² TF Wire Black and Red Color (150m/box)	20.00	box														
2	20mmØ PVC Male Adapter with Locknut	351.00	pcs.														
3	20mmØ PVC Elbow	150.00	pcs.														
4	-20mmØ PVC Pipe (inside diameter) (See drawing details: Unshaded areas)	829.00	pcs.														
5	PVC Junction Box	150.00	pcs.														
6	PVC Square Box	37.00	pcs.														
7	Miscellaneous and consumables (conduit supports/hangers with U-bolts and threaded round bars)	300.00	sets														
Sub-total B.10																	
Sub-total B																	
C.	Design and Build of Powerhouse No.1, No.2, and Vault Room																
C.1	SITE WORKS	1.00	lot														
1.1	Concrete / Asphalt demolition																
1.2	Excavation of foundation																
1.3	Fillings and bed filling materials																
1.4	Gravel bedding and compaction																
1.5	Removal of tree and disposal																
1.6	Disposal of waste and concrete debris																
1.7	Soil poisoning																
C.2	CONCRETE WORKS	1.00	lot														
2.1	Footings (16mm dia.)																
2.2	Tie beams (16mm dia.)																
2.3	Walls (12mm dia.)																

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)					(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
											(6)+(7)	(8)*(5)	5%*[(5)+(9)]	(9)+(10)	(5)+(11)	(12)/(3)
2.4	Ground floor (slab on fill) (10mm dia.)															
2.5	Columns (16mm dia.)															
2.6	Second floor slabs (12mm dia.)															
2.7	Second floor beams (16mm dia.)															
2.8	Lintel beams (doors and windows) (10mm dia.)															
2.9	Roof beams (16mm dia.)															
2.10	Stiffener columns (doors) (10mm dia.)															
2.11	Pedestal (Genset) (16mm dia.)															
2.12	Pedestal (Electrical Service Entrance) (16mm dia.)															
2.13	Concrete covering (embedded electrical pipes)															
C.3	REBAR WORKS	1.00	lot													
3.1	Footings (16mm dia.)															
3.2	Tie beams (16mm dia.)															
3.3	Walls (12mm dia.)															
3.4	Ground floor (slab on fill) (10mm dia.)															
3.5	Columns (16mm dia.)															
3.6	Second floor slabs (12mm dia.)															
3.7	Second floor beams (16mm dia.)															
3.8	Lintel beams (doors and windows) (10mm dia.)															
3.9	Roof beams (16mm dia.)															
3.10	Stiffener columns (doors) (10mm dia.)															
3.11	Pedestal (Genset) (16mm dia.)															
3.12	Pedestal (Electrical Service Entrance) (16mm dia.)															
C.4	FORMWORKS AND SCAFFOLDINGS	1.00	lot													
4.1	Tie beams															
4.2	Walls															
4.3	Columns															
4.4	Second floor slabs															
4.5	Second floor beams															
4.6	Lintel beams (doors and windows)															
4.7	Roof beams															
4.8	Stiffener columns (doors)															
4.9	Pedestal (Genset)															
4.10	Pedestal (Electrical Service Entrance)															
C.5	METAL WORKS	1.00	lot													
5.1	Steel doors and jambs															
5.2	Steel windows and jambs															
5.3	Steel deck (2nd floor)															
5.4	Steel roof frame with façade															
5.5	Steel spiral stair															
5.6	Steel I-beam with support															
5.7	Steel roll-up doors with motor control															
C.6	CARPENTRY WORKS	1.00	lot													
6.1	Ficem board ceiling (interior) with metal furring frame and hanger															
C.7	MASONRY WORKS	1.00	lot													
7.1	Concrete floor topping with finishing															
7.2	Concrete plastering and restoration (if necessary)															
C.8	PAINTING WORKS (THREE (3) COATS)	1.00	lot													

Item No.	ITEM/DESCRIPTION	QTY	UNIT	MATERIAL COST		LABOR COST		ESTIMATED DIRECT COST	MARK-UP IN PERCENT		TOTAL MARK-UP		VAT	TOTAL INDI. COST	TOTAL COST	UNIT COST
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST		OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)					(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
											(6)+(7)	(8)*(5)	5%*[(5)+(9)]	(9)+(10)	(5)+(11)	(12)/(3)
8.1	Exterior walls															
8.2	Interior Walls															
8.3	Interior ceiling															
8.4	Genset pedestal															
8.5	Pedestal (Electrical Service Entrance)															
8.6	Steel doors and jambs															
8.7	Steel windows and jambs															
8.8	Roof frame and spiral stair															
8.9	Heavy duty floor (ground floor and 2nd floor)															
C.9	TINSMITHRY WORKS	1.00	lot													
9.1	Pre-painted long span roofing with insulation and wire support															
9.2	Pre-painted metal spandrel roof façade around the building without roof gutter															
9.3	Metal spandrel ceiling (exterior)															
C.10	ELECTRICAL WORKS	1.00	lot													
10.1	Electrical rough-ins (pipes and boxes)															
10.2	Electrical service entrance pipes															
10.3	Switches and convenience outlets															
10.4	Electrical wires (lighting and outlets)															
10.5	Electrical fluorescent fixtures and pinlights															
10.6	Exhaust fan and ceiling fan															
Sub-total C																
D	Rough plastering of interior concrete partition walls (6" thick CHB) including necessary exposed interior columns and beams (Ground floor to Roofdeck of the whole building including necessary exposed reinforced concrete partition walls at 2nd floor (4,366 sq.m.)) excluding exterior perimeter walls															
1	Cement	1,921.00	bags													
2	Sand	275.00	m3													
3	Steel scaffoldings (rental)	1.00	lot													
4	Chipping works	1.00	lot													
Sub-total D																
E	Civil Works related to rough-ins of electrical works															
1	Cutting of concrete walls	1,840.00	m													
2	Chipping of concrete walls (+/-) 4cm width	920.00	m													
3	Plastering /restoration works	920.00	m													
Sub-total E																
TOTAL																