



BATAAN GENERAL HOSPITAL
Balanga City, Bataan



**BILL OF MATERIALS AND LABOR FOR THE
CONSTRUCTION OF ACUTE PSYCHIATRIC BUILDING**

I SITE PREPARATION/EARTHWORKS

1.1 TEMPORARY FACILITIES

A. Security Fence	l.m.	75	
B. Field Office	m ²	18	-
C. Field Warehouse	m ²	50	-
D. Temporary Comfort Room	m ²	6	-
			Sub-total
			Php

1.2 TEMPORARY UTILITIES

A. Power Consumption	month	6	-
B. Water Consumption	month	6	-
C. Testing of Materials	lot	1	-
			Sub-total
			Php

1.3 EARTHWORKS

A. Staking Layout Batterboard	m ²	360	-
B. Excavation	m ³	209	-
C. Embankment	m ³	403	-
D. Gravel Bedding	m ³	12	-
E. Structure Backfill	m ³	162	-
F. Soil Poisoning	m ²	568	-
			Sub-total
			Php

1.4 CLEARING WORKS

A. Cutting of Trees, Removal of Obstructions on site	lot	1	-
			Sub-total
			Php

Total Cost of Item **Php** **-**

II

CONCRETE WORKS

Ready Mix Concrete (RMC 3/4, 3000psi PCD)

m ³	464	-
		Material Cost
		Labor Cost
		Sub-total
		Php

Total Cost of Item **Php** **-**

III

MASONRY WORKS

5" x 8" x 16" CHB	pc	13,539	Php
Washed Sand	m ³	97	-
Portland Cement	bag	1,402	-
10mmØ x 6m RSB	kg.	2,794	-
#16 G.I. Tie Wire	kg.	43	-
			Material Cost
			Labor Cost
			Sub-total
			Php

Total Cost of Item **Php** **-**

IV

REINFORCEMENT

Grade 60 Deformed Bars

20 mmØ x 6.0 m RSB	kg.	14,548	Php
16 mmØ x 6.0 m RSB	kg.	2,832	-
12 mmØ x 6.0 m RSB	kg.	6,546	-
10 mmØ x 6.0 m RSB	kg.	10,817	-
#16 G.I. Tie Wire	kg.	675	-
			Material Cost
			Labor Cost
			Sub-total
			Php

Total Cost of Item **Php** **-**

V

FORMS & SCAFFOLDINGS

½" x 4' x 8' Ordinary Plywood	pc.	403	Php
2" x 2" Good Lumber	bd.ft.	4,458	-
2" x 3" Cocco Lumber	bd.ft.	4,095	-
Asstd. C.W. Nails Asstd.	kg.	50	-
Asstd. Concrete Nails	kg.	20	-
			Material Cost
			Labor Cost
			Sub-total
			Php

Total Cost of Item **Php** **-**

VI

ROOF FRAMING WORKS

- Top Chord, Bottom Chord, Web Members
- ¼" x 2" x 2" x 6m Angle Bar
- Purlins & Fascia Board Connector
- ¼" x 2" x 2" x 6m Angle Bar
- Purlins
- 2" x 4" x 6m, # 16 C-Purlins
- Fascia Board
- 2" x 4" x 6m, #16 C-Purlins
- Sag Rod
- 10 mm.Ø Plain Round Bar
- Welding Electrodes
- Welding Rod
- Epoxy Paint w/ Catalyst
- Oxygen/Acetylene, Cutting Outfit,
- G. Disc, H. Blade Etc.

pc.	272	Php
pc.	3	-
pc.	140	-
pc.	29	-
pc.	26	-
box	4	-
gal.	25	-
l.s.		

Material Cost	Php
Labor Cost	-
Total Cost of Item	Php

VII

ROOFING & TINSMITHRY WORKS

- Long Span Coloroof Rib Type Roofing Shits (.5mm thick)
- # 24 Prepainted Ridge Roll
- #24 Prepainted Gutter
- 2½ Tek screw
- Blind Rivets
- 3"Ø PVC Elbow (Downspout)
- 3"Ø x 10' PVC Pipe (Downspout)
- Roof Sealant, Miscellaneous

l.m.	540	Php
pc.	22	-
pc.	36	-
pc.	3,600	-
box	5	-
pc.	40	-
pc.	38	-
l.s.		

Material Cost	Php
Labor Cost	-
Total Cost of Item	Php

VIII

CARPENTRY WORKS

- 60cm x 60cm Acoustical Board on Alum. T. Runner
- Fiber Cement Board
- 4" x 20' Metal Spandrel (Eaves, incl. ventilation)
- Furring Channel
- Carrying Channel
- Suspension Clip
- Wire Clip
- Screw
- #16 G.I. Tie Wire
- Counter, Office Tables,Dining Tables, Shelves, Cabinets

m²	207	Php
pc.	50	-
pc.	164	-
pc.	76	-
pc.	58	-
pc.	400	-
pc.	601	-
pc.	843	-
kg.	10	-
lot		

Material Cost	Php
Labor Cost	-
Total Cost of Item	Php

IX

DOORS & WINDOWS

- All Doors with Complete Accessories : LOCKSET & ALL REQUIRED
- DOOR CLOSER & DOOR STOPPER WITH METAL JAMB

- D1 1.60m X 2.10m Powder Coated Aluminum Double -Swing Glass Door (12mm thk Fixed Clear Glass)
- D2 1.20m X 2.10m Double -Swing Wooden Flush Door w/ 6mm thk View Glass
- D3 0.90m X 2.10m Single -Swing Wooden Flush Door
- D4 0.80m X 2.10m Single -Swing Wooden Flush Door
- D5 0.90m X 2.10m Single -Swing Wooden Flush Door w/ Metal Sheet
- D6 0.70m X 2.10m Single -Swing Wooden Flush Door
- D7 0.70m X 2.10m Single -Swing Wooden Flush Door w/ Metal Sheet
- D8 0.90m X 2.10m Single -Swing Metal Door
- D9 0.90m X 2.10m Single -Swing Mesh Wire Door
- W1 1.80m X 1.20m Powder Coated Aluminum Frame Sliding and Fixed Glass Window w/ Screen
- W2 1.20m X 1.20m Powder Coated Aluminum Frame Sliding and Fixed Glass Window w/ Screen
- W3 1.20m X 1.20m Powder Coated Aluminum Frame Fixed Glass Window
- W4 0.60m X 0.60m Powder Coated Aluminum Frame Sliding Window
- W5 1.80m X 0.50m Powder Coated Aluminum Frame Fixed Glass High Window
- 1.80m X 1.20m Window Grills
- 1.20m X 1.20m Window Grills
- 1.80m X 0.50m Window Grills
- 0.60m X 0.60m Window Grills

set	1	Php
set	6	-
set	7	-
set	2	-
set	2	-
set	3	-
set	7	-
set	2	-
set	2	-
set	11	-
set	2	-
set	2	-
set	1	-
set	1	-
set	5	-
set	11	-
set	2	-
set	5	-
set	1	-

Material Cost	-
Installation Cost	-
Total Cost of Item	Php

X

TILEWORKS

60" X 60" Glazed Granite Tiles	pc.	982	Php	-
60" X 60" Unglazed Granite Tiles	pc.	27		-
30" X 30" Unglazed Ceramic Floor Tiles	pc.	334		-
30" X 30" Glazed Ceramic Wall Tiles	pc.	1,212		-
40" X 40" Unpolished Ceramic Tiles (Stairs)	pc.	133		-
40" X 40" Truncated Floor Tiles (ramp)	pc.	67		-
Tile Trim 10'	pc.	49		-
Washed Sand	pc.	13		-
Portland Cement	m³	115		-
Tile Grout	bag	21		-
Stair Nosing	bag	16		-
Cutting Disc	pc.	10		-
			Material Cost	Php
			Labor Cost	-
			Total Cost of Item	Php
				-

XI

WATERPROOFING

Roof Slab	m²	105	Php	-
Septic tank	m²	5		-
			Material Cost	Php
			Labor Cost	-
			Total Cost of Item	Php
				-

XII

METAL WORKS

Stainless Handrails and Railings				
2"Ø Stainless Pipe	pc.	8	Php	-
1 1/2"Ø Stainless Pipe	pc.	4		-
Steel gate				
2" x 2" x 1.2mm Tubular Bar	pc.	16		-
2" x 4" x 1.5mm Tubular Bar	pc.	6		-
Welding Rod	box	1		-
			Material Cost	-
			Labor Cost	-
			Total Cost of Item	Php
				-

XIII

SANITARY & PLUMBING WORKS

A. Fixtures				
Water Closet (direct flush valve) w/ accessories (bidet, tissue holder, soap holder)	set	9	Php	-
Lavatory	set	9		-
Urinal Bowl	set	1		-
Stainless Sink (12" Deep)	set	5		-
Wall Faucet	pc.	7		-
Floor Drain	pc.	17		-
Shower Head & Valve	set	4		-
			Sub-total	Php
				-
B. Sewerline				
200mmØ PVC Series 1000	pc.	5		-
150mmØ PVC Series 1000	pc.	12		-
100mmØ PVC Series 1000	pc.	21		-
75mmØ PVC Series 1000	pc.	5		-
50mmØ PVC Series 1000	pc.	15		-
75mmØ PVC Elbow	pc.	9		-
50mmØ PVC Elbow	pc.	32		-
150mmØ PVC Coupling	pc.	11		-
100mmØ PVC Coupling	pc.	20		-
75mmØ PVC Coupling	pc.	4		-
50mmØ PVC Coupling	pc.	14		-
150mmØ x 100mmØ PVC Wye Reducer	pc.	6		-
150mmØ x 100mmØ x 100mmØ PVC Double Wye Reducer	pc.	1		-
100mmØ x 75mmØ PVC Wye Reducer	pc.	9		-
100mmØ x 50mmØ PVC Wye Reducer	pc.	32		-
100mmØ Cleanout	pc.	8		-
50mmØ PVC P-trap	pc.	14		-
PVC Solvent	lit.	12		-
			Sub-total	Php
				-
C. Cold Water Line				
50mmØ PPR Pipe	pc.	14		-
20mmØ PPR Pipe	pc.	25		-
50mmØ PPR Pipe Elbow	pc.	4		-
20mmØ PPR Pipe Elbow	pc.	60		-
20mmØ PPR Pipe Tee	pc.	25		-
50mmØ PPR Pipe Coupling	pc.	3		-
20mmØ PPR Pipe Coupling	pc.	24		-
50mmØ x 20mmØ PPR Tee Reducer	pc.	10		-
20mmØ PPR Bushing Reducer	pc.	7		-
20mmØ PPR Gate Valve	pc.	9		-
Teflon Tape	roll	20		-
			Sub-total	Php
				-

D. Storm Drainage & others

Catch basin w/ gratingsS 400x400x500mm inside dimension
Manhole 800x800x1000mm inside dimension
Pipes & Fittings

16	unit	Php
1	unit	-
98	l.m.	-
Sub-total		Php
Material Cost		Php
Labor Cost		-
Total Cost of Item		Php

XIV

ELECTRICAL WORKS

Panel Board & Circuit Breakers

MDP Panel Box, 3P, 4 Holes (NEMA-1 Standard GA.# 16, Encl., Gray Powder Coated Finish)
Panel Box, 3P, 30 Holes (NEMA-1 Standard GA.# 16, Encl., Gray Powder Coated Finish)
Molded Case Circuit Breaker 250AT, 3-Pole, 230V
Molded Case Circuit Breaker 150AT, 3-Pole, 230V
30AT/50AF
20AT/50AF

1	pc	-
1	pc	-
1	pc	-
3	pc	-
7	pc	-
16	pc	-
Sub-total		Php

Lighting and Other Fixtures

Recessed Type, Lighting Fixture w/ 9W LED w/ cover
Square Type Lighting Fixture w/ 100W LED w/ Cover
40W Fluorescent Lamp w/ Diffuser w/ cover
LED Exit Light
Emergency Light, 2 x 10W
3/4 HP Aircondition Unit (Window Type)
1HP Aircondition Unit (Window Type)
2HP Aircondition Unit (Window Type)
2.5HP Aircondition Unit (Window Type)
1HP Aircondition Unit (Split Type)
2HP Aircondition Unit (Split Type)
2.5HP Aircondition Unit (Split Type)
Ceiling Fan (Orbital)
Exhaust Fan, Ceiling Mounted
1 Gang Switch 10Amp. Rating
2 Gang Switch 10Amp. Rating
3 Gang Switch 10Amp. Rating
Convenience Outlets (Single w/ Ground) 15Amp. Rating
Convenience Outlets (Duplex w/ Ground) 15Amp. Rating
Aircon Outlet

72	set	-
1	set	-
12	set	-
2	set	-
21	set	-
1	unit	-
3	unit	-
2	unit	-
1	unit	-
2	unit	-
2	unit	-
2	unit	-
4	unit	-
11	unit	-
24	set	-
8	set	-
4	set	-
21	set	-
45	set	-
7	set	-
Sub-total		Php

Wires, Cables and Other Materials

Junction Box w/ cover
Utility Box
PVC Elec. Pipe 20mm dia.
PVC Elec. Pipe 25mm dia.
PVC Elec. Pipe 65mm dia.
PVC Elec. Pipe 80mm dia.
Conduit Fittings
Stranded Wire 5.5mm² THHN
Stranded Wire 3.5mm² THHN
Stranded Wire 50mm² THHN
Stranded Wire 125mm² THHN
Stranded Wire 30mm² TW
Stranded Wire 14mm² TW
110 mm dia. RSC
110 mm dia. Coupling RSC
110 mm dia. Conduit Elbow RSC
110 mm dia. Service Entrance Cap RSC
110 mm dia. Male Adaptor RSC
Cabling Tray

187	pc	-
109	pc	-
324	pc	-
105	pc	-
3	pc	-
5	pc	-
1	lot	-
630	l.m.	-
2619	l.m.	-
18	l.m.	-
54	l.m.	-
18	l.m.	-
6	l.m.	-
1	pc	-
1	pc	-
1	pc	-
1	pc	-
1	pc	-
1	lot	-
Sub-total		Php

FIRE ALARM SYSTEM

4 Zone Fire Alarm Control Panel
Fire Alarm Manual Station
Conventional Smoke Detector
Conventional Heat Detector
Fire Alarm Bell
Junction Box
Utility Box
PVC Elec. Pipe 20mmØ
Conduit Fittings
1.25mm²,TF Wire

1	set	-
2	set	-
18	set	-
1	set	-
2	set	-
19	pc	-
18	pc	-
88	pc	-
1	lot	-
525	l.m.	-
Sub-total		Php

TELEPHONE LINE

UTP Cable Cat 5E
RJ11 w/ plate cover (Telephone Outlet)
Utility Box
PVC Elec. Pipe 20mmØ
Conduit Fittings

l.m.	150	
set	12	-
pc	12	-
pc	50	-
lot	1	-
	Sub-total	Php -

DATA AND INTERNET LINE

UTP Cable Cat 5E
RJ45 w/ plate cover (Internet Outlet)
Utility Box
PVC Elec. Pipe 20mmØ
Conduit Fittings

l.m.	150	
set	12	-
pc	12	-
pc	50	-
l.s.		-
	Sub-total	Php -

Material Cost

Labor Cost

Total Cost of Item

Php -

XV

MECHANICAL WORKS

A. SPRINKLER SYSTEM

B.I. PIPES SCHEDULE 40 (STD)

- 100mmØ	16	pc.	-
- 75mmØ	6	pc.	-
- 32mmØ	6	pc.	-
- 25mmØ	25	pc.	-

B.I. FITTINGS SCHEDULE 40 (STD)

Elbow 90			
- 100mmØ	10	pc.	-
- 75mmØ	7	pc.	-
- 32mmØ	7	pc.	-
- 25mmØ	5	pc.	-

Elbow 90 Reducer

- 40mmØ x 32mmØ
- 25mmØ x 15mmØ

Coupling Reducer

- 100mmØ x 75mmØ
- 32mmØ x 25mmØ
- 25mmØ x 15mmØ

Tee

- 100mmØ
- 32mmØ
- 25mmØ

Tee Reducer

- 100mmØ x 75mmØ
- 75mmØ x 40mmØ

End Cap 100mm

Blind Flange 100mmØ

Blind Flange/ Coupling Flange 75mmØ

Union Patente 25mmØ

Riser Nipple 40mmØ x 32mmØ

pc.	3	-
pc.	10	-
pc.	28	-
pc.	1	-
pc.	14	-
pc.	2	-
pc.	4	-
set	2	-
pc.	10	-
pc.	15	-

VALVES AND CONNECTIONS

OS & Y Gate Valve 150mmØ
Fire Hose Valve (FHV) 65mmØ
Floor Control valve (FCV) 75mmØ
Flow Switch 75mmØ

set	1	-
set	1	-
set	1	-
set	1	-

SIAMESE TWIN (FIRE DEPT. CONNECTION) Dry & Wet Type 2-65mmØ x 100mmØ

set	2	-
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SPRINKLER SYSTEMS AND ACCESSORIES

Sprinkler Heads (Pendent Type with Ceiling Plate) UL Listed
Fire Hose Cabinet (FHC) Accessories
Fire Extinguishers 10 lbs, ABC type, Dry Chemical

pc.	41	-
set	1	-
set	2	-

HANGERS AND SUPPORT

Loop Hanger

- 25mmØ

Clevis Hanger

- 100mmØ
- 75mmØ

Sway Brace 100mmØ

pc.	55	-
pc.	7	-
pc.	11	-
pc.	3	-

OTHERS

PVC Pipes Sleeves (6")	pc.	1	-
PVC Pipes Sleeves (2")	pc.	5	-
Teflon Tape 3/4"	roll	150	-
Expansion Bolt Shield 3/8"	pc.	70	-
Threaded Rod (continuous) 3/8"	pc.	70	-
Hexagonal Nut 3/8"	pc.	70	-
Angle Bar 1 1/2" x 1 1/2" x 1/8" thk	pc.	4	-
		Sub-total	Php -

B. GAS LINE SYSTEM

	lot	Php
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C. KITCHEN HOOD AND EXHAUST SYSTEM

	lot	Php
		Material Cost
		Php -
		Labor Cost
		-
		Total Cost of Item
		Php -

XVI

PAINTING WORKS

Quick Drying Enamel	gal.	2	-
Flat Latex Paint	tin	15	-
Gloss Latex Paint	tin	29	-
Masonry Putty	gal.	52	-
Paint Thinner	gal.	5	-
Red Oxide Primer	gal.	4	-
Concrete Nuetralizer	gal.	52	-
Roller Brush with tray	pc.	20	-
Paint Brush 4"	pc.	20	-
Paint Brush 2"	pc.	20	-
Asstd. Acrylicolors, Tinting Colors, M. Tape & Other Materials	l.s.		-

	Material Cost	Php
	Labor Cost	-
	Total Cost of Item	Php -

XVII

SINAGES & MARKINGS

	lot	1	Php
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XVIII

MOBILIZATION/ DEMOBILIZATION

	lot	1	Php
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