



Republic of the Philippines
CITY OF ILAGAN
 Province of Isabela



Project Title : CONSTRUCTION OF MULTI-PURPOSE HALL
Project Location : BRGY. MALALAM, CITY OF ILAGAN, ISABELA

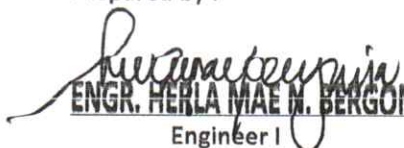
**PROGRAM OF WORKS
 SUMMARY**

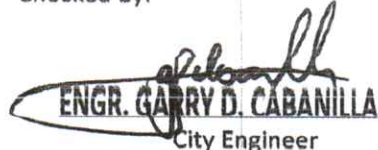
ITEM	Scope of Work	Quantity	Unit	Unit Price	Amount
I	GENERAL REQUIREMENTS	1.00	lot	235,872.00	235,872.00
II	DEMOLITION WORKS	76.50	sq.m.	1,530.78	117,104.40
III	EARTHWORKS	266.24	cu.m.	860.35	229,060.76
IV	CONCRETE WORKS	79.48	cu.m.	14,426.47	1,146,615.71
V	REINFORCING STEEL WORKS	10,833.12	kgs.	91.94	996,015.76
VI	MASONRY WORKS				
	A. Laying of CHB	472.67	sq.m.	1,176.20	555,952.30
	B. Plain Cement Finish	747.42	sq.m.	270.24	201,978.00
VII	DOORS AND WINDOWS	46.44	sq.m.	7,428.14	344,962.80
VIII	CEILING WORKS	170.54	sq.m.	1,184.27	201,965.40
IX	TILE WORKS	292.78	sq.m.	2,017.41	590,656.50
X	STAINLESS STEEL RAILINGS	38.90	ln.m.	8,578.69	333,711.00
XI	STEEL WORKS	4.41	ln.m.	6,142.86	27,090.00
XII	INSTALLATION OF FRAMES AND CLADDING	38.25	sq.m.	5,670.00	216,877.50
XIII	PAINTING WORKS	985.51	sq.m.	314.84	310,275.00
XIV	ELECTRICAL WORKS	43.00	outlets	3,447.57	148,245.30
XV	PLUMBING WORKS	25.00	sets	10,496.50	262,412.49
XVI	ROOFING WORKS	85.22	sq.m.	3,288.15	280,211.40
XVII	SIGNAGES	4.00	sets	50,248.42	200,993.69
TOTAL PROJECT COST				PHP	6,400,000.00

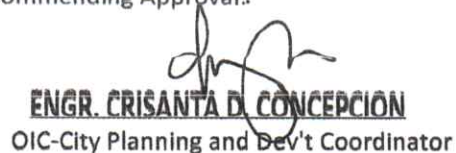
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 City Mayor

Project Title : CONSTRUCTION OF MULTI-PURPOSE HALL
Project Location : BRGY. MALALAM, CITY OF ILAGAN, ISABELA

DETAILED ESTIMATE

Cost Estimate and Bill of Materials

DESCRIPTION

ITEM I. GENERAL REQUIREMENTS

A. SAFETY AND HEALTH PROGRAM

QTY = 1 lot

Materials :

	QUANTITY	UNIT	UNIT COST		TOTAL COST
Safety Shoes	10	pairs	500.00 /	pairs	5,000.00
Safety Gloves	10	pairs	150.00 /	pairs	1,500.00
Safety Helmet	10	pcs.	650.00 /	pcs.	6,500.00
Safety Vest	10	pcs.	300.00 /	pcs.	3,000.00
Barricade	40	ln.m.	500.00 /	ln.m.	20,000.00
Billboard Frame and Tarpaulin	2	sets	10,000.00 /	sets	20,000.00
Construction Signages	1	lot	10,000.00 /	lot	10,000.00
MATERIAL COST =					66,000.00

Unit Cost = 66,000.00 = PhP 66,000.0
 1.00 lot

B. TEMPORARY FACILITIES

QTY = 1 lot

Materials :

	QUANTITY	UNIT	UNIT COST		TOTAL COST
2"x3"x12' Cocolumber	1,000	bd.ft.	35.00 /	bd.ft.	35,000.00
# 26x12' GI Sheet	20	pcs.	450.00 /	pcs.	9,000.00
# 26x12' GI Sheet (used)	20	pcs.	200.00 /	pcs.	4,000.00
Assorter CW Nails	20	kgs.	80.00 /	kgs.	1,600.00
1/4" Plywood	10	pcs.	380.00 /	pcs.	3,800.00
Temporary Water Connection	1	lot	10,000.00 /	lot	10,000.00
Plumbing Fixtures	1	lot	5,000.00 /	lot	5,000.00
Temporary Electricity Connection	1	lot	10,000.00 /	lot	10,000.00
Lighting Fixtures	2	lot	5,000.00 /	lot	10,000.00
Flush Door	2	sets	2,500.00 /	sets	5,000.00
Cement	25	bags	260.00 /	bags	6,500.00
Sand	3	cu.m.	850.00 /	cu.m.	2,550.00
Gravel	3	cu.m.	750.00 /	cu.m.	2,250.00
MATERIAL COST =					104,700.00

Labor:

	NO. OF DAYS	RATE		
1 Foreman @	5	750 / day	=	3,750.00
1 Skilled Worker @	5	550 / day	=	2,750.00
5 Unskilled Worker @	5	400 / day	=	10,000.00
LABOR COST = PhP				16,500.00

DIRECT COST (Material & Labor Cost) = 187,200.00
PROFIT = 14,976.00
OCM = 22,464.00
VAT = 11,232.00
SUB-TOTAL = PhP 235,872.00

Unit Cost = 235,872.00 = 235,872.00
 1.00 lot

Total Estimated Cost = 1.00 x 235,872.00 = PhP 235,872.00

ITEM II. DEMOLITION WORKS

QTY = 76.50 sq.m.

A. Removal of Existing Concrete Columns, Beams and Masonry Walls

Equipment (Rental)

	NO. OF DAYS	RATE		
1 -Dump Truck	4	11,360.00 / day	=	45,440.00
RENTAL COST = PhP				45,440.00

Labor:

	NO. OF DAYS	RATE		
1 Foreman @	10	750 / day	=	7,500.00
10 Unskilled Worker @	10	400 / day	=	40,000.00
LABOR COST = PhP				47,500.00

DIRECT COST (Material),Rental & Labor Cost) = 92,940.00
PROFIT = 7,435.20
OCM = 11,152.80
VAT = 5,576.40
SUB-TOTAL = PhP 117,104.40

Unit Cost = 117,104.40 = 1,530.78
 76.50 sq.m.

Total Estimated Cost = 76.50 x 1,530.78 = PhP 117,104.40

ITEM III. EARTHWORKS

QTY = 266.24 cu.m.

A. <u>Excavation</u>	88.60	cu.m.
B. <u>Backfill</u>	53.16	cu.m.
C. <u>Fill and Compaction (w/ 20% compaction)</u>	124.49	cu.m.
TOTAL	266.24	cu.m.

Equipment (Rental)

1 - Backhoe

NO. OF DAYS	6	RATE	12,296.00 / day	
		RENTAL COST =	PhP	73,776.00

Materials :

Earthfill

QUANTITY	124.49	UNIT	cu.m.	UNIT COST	450.00 / cu.m.	TOTAL COST	56,018.25
				MATERIAL COST =	PhP	56,018.25	

Labor:

1 Foreman @
3 Skilled Worker @
7 Unskilled Worker @

NO. OF DAYS	10	RATE	750 / day	7,500.00
	10		550 / day	16,500.00
	10		400 / day	28,000.00
		LABOR COST =	PhP	52,000.00

DIRECT COST (Material,Rental & Labor Cost) =	181,794.25
PROFIT =	14,543.54
OCM =	21,815.31
VAT =	10,907.66
SUB-TOTAL =	PhP 229,060.76

Unit Cost =	229,060.76	=	860.35
	266.24	cu.m.	

Total Estimated Cost = 266.24 x 860.35 = PhP 229,060.76

ITEM IV. CONCRETE WORKS

QTY = 79.48 cu.m.

Materials :

Portland Cement
Gravel
Sand
1/2" Marine Plywood
Assorted CWN
Assorted Lumber
Steel Deck
Scaffolding (rental)

QUANTITY	751	UNIT	bags	UNIT COST	260.00 / bags	TOTAL COST	195,260.00
	80	cu.m.		750.00 / cu.m.		60,000.00	
	40	cu.m.		850.00 / cu.m.		34,000.00	
	60.00	pcs.		760.00 / pcs.		45,600.00	
	40.00	kgs.		80.00 / kgs.		3,200.00	
	1,400.00	bd.ft.		60.00 / bd.ft.		84,000.00	
	100.00	ln.m.		1,500.00 / ln.m.		150,000.00	
	1	lot		100,000.00 / lot		100,000.00	
				MATERIAL COST =	PhP	672,060.00	

Labor:

1 Foreman @
8 Skilled Worker @
10 Unskilled Worker @

NO. OF DAYS	26	RATE	750 / day	19,500.00
	26		550 / day	114,400.00
	26		400 / day	104,000.00
		LABOR COST =	PhP	237,900.00

DIRECT COST (Material & Labor Cost) =	909,960.00
PROFIT =	72,796.80
OCM =	109,195.20
VAT =	54,663.71
SUB-TOTAL =	PhP 1,146,615.71

Unit Cost =	1,146,615.71	=	14,426.47
	79.48	cu.m.	

Total Estimated Cost = 79.48 x 14,426.47 = PhP 1,146,615.71

ITEM V. REINFORCING STEEL WORKS

QTY = 10,833.12 kgs.

Materials :

16mm Ø RSB
12mm Ø RSB
10mm Ø RSB
#16 G.I. Tie Wire

QUANTITY	6,089.21	UNIT	kgs.	UNIT COST	54.00 / kgs.	TOTAL COST	328,817.34
	239.85	kgs.		54.00 / kgs.		12,951.90	
	4,504.06	kgs.		54.00 / kgs.		243,219.46	
	9	rolls		2,500.00 / rolls		22,500.00	
				MATERIAL COST =	PhP	607,488.70	

Labor:

1 Foreman @
8 Skilled Worker @
10 Unskilled Worker @

NO. OF DAYS	20	RATE	750 / day	15,000.00
	20		550 / day	88,000.00
	20		400 / day	80,000.00
		LABOR COST =	PhP	183,000.00

DIRECT COST (Material & Labor Cost) =	790,488.70
PROFIT =	63,239.10
OCM =	94,858.64
VAT =	47,429.32
SUB-TOTAL =	PhP 996,015.76

Unit Cost = $\frac{996,015.76}{10,833.12 \text{ kgs.}}$ = 91.94

Total Estimated Cost = 10,833.12 x 91.94 = **PhP 996,015.76**

ITEM VI. MASONRY WORKS

A. LAYING OF CHB

QTY = 472.67 sq.m.

Materials :

	QUANTITY	UNIT	UNIT COST	TOTAL COST
6" CHB	5,448	pcs.	16.00 / pcs.	87,168.00
4" CHB	1,312	pcs.	14.00 / pcs.	18,368.00
Portland Cement	459	bags	260.00 / bags	119,340.00
Sand	27	cu.m.	750.00 / cu.m.	20,250.00
10mm Ø RSB	1,385.30	kgs.	54.00 / kgs.	74,805.98
#16 G.I. Tie Wire	1	roll	2,500.00 / roll	2,500.00
MATERIAL COST = PhP				322,431.98

Labor:

	NO. OF DAYS	RATE	
1 Foreman @	18	750 / day	= 13,500.00
7 Skilled Worker @	18	550 / day	= 69,300.00
5 Unskilled Worker @	18	400 / day	= 36,000.00
LABOR COST = PhP			118,800.00

DIRECT COST (Material & Labor Cost) = 441,231.98
 PROFIT = 35,298.56
 OCM = 52,947.84
 VAT = 26,473.92
SUB-TOTAL = PhP 555,952.30

Unit Cost = $\frac{555,952.30}{472.67 \text{ sq.m.}}$ = 1,176.20

Total Estimated Cost = 472.67 x 1,176.20 = **PhP 555,952.30**

B. PLAIN CEMENT FINISH

QTY = 747.42 sq.m.

Materials :

	QUANTITY	UNIT	UNIT COST	TOTAL COST
Portland Cement	225	bags	260.00 / bags	58,500.00
Sand	20	cu.m.	750.00 / cu.m.	15,000.00
MATERIAL COST = PhP				73,500.00

Labor:

	NO. OF DAYS	RATE	
1 Foreman @	14	750 / day	= 10,500.00
7 Skilled Worker @	14	550 / day	= 53,900.00
4 Unskilled Worker @	14	400 / day	= 22,400.00
LABOR COST = PhP			86,800.00

DIRECT COST (Material & Labor Cost) = 160,300.00
 PROFIT = 12,824.00
 OCM = 19,236.00
 VAT = 9,618.00
SUB-TOTAL = PhP 201,978.00

Unit Cost = $\frac{201,978.00}{747.42 \text{ sq.m.}}$ = 270.24

Total Estimated Cost = 747.42 x 270.24 = **PhP 201,978.00**

ITEM VII. DOORS AND WINDOWS

QTY = 46.44 sq.m.

Materials and Labor :

Doors

	QUANTITY	UNIT	UNIT COST	TOTAL COST
9 - 0.80m x 2.10m Single Panel Wooden Swing Door w/ Accesories	15.12	sq.m.	6,500.00 / sq.m.	98,280.00
6 - 0.60m x 2.10m PVC door	7.56	sq.m.	2,500.00 / sq.m.	18,900.00

Windows

	QUANTITY	UNIT	UNIT COST	TOTAL COST
12 - 1.50m x 1.20m Powder Coated Aluminum Frame w/ Glass Panel Sliding Window	21.6	sq.m.	6,500.00 / sq.m.	140,400.00
6 - 0.60m x 0.60m Powder Coated Aluminum Frame w/ Glass Panel Awning Window	2.16	sq.m.	7,500.00 / sq.m.	16,200.00
MATERIAL AND LABOR COST = PhP				273,780.00

DIRECT COST = 273,780.00
 PROFIT = 21,902.40
 OCM = 32,853.60
 VAT = 16,426.80
SUB-TOTAL = PhP 344,962.80

Unit Cost = $\frac{344,962.80}{46.44 \text{ sq.m.}}$ = 7,428.14

Total Estimated Cost = 46.44 x 7,428.14 = **PhP 344,962.80**

ITEM VIII. CEILING WORKS

QTY = 170.54 sq.m.

Materials :

	QUANTITY	UNIT	UNIT COST	TOTAL COST
4.5mm Hardflex	86	pcs.	450.00 / pcs.	29,700.00
Metal Furring	203	pcs.	155.00 / pcs.	31,465.00
Carrying Channels	64	pcs.	185.00 / pcs.	11,840.00
Hanger Bars/Rod	180	pcs.	95.00 / pcs.	17,100.00
Channel clip	1,075	pcs.	7.00 / pcs.	7,525.00
Wall Angle	43	pcs.	120.00 / pcs.	5,160.00
Rivets	2	boxes	550.00 / boxes	1,100.00
MATERIAL COST =				PhP 103,890.00

Labor:

	NO. OF DAYS	RATE	
1 Foreman @	12 days	750 / day	= 9,000.00
5 Skilled Worker @	12 days	550 / day	= 33,000.00
3 Unskilled Worker @	12 days	400 / day	= 14,400.00
LABOR COST =			PhP 56,400.00

DIRECT COST (Material and Labor Cost) =	160,290.00
PROFIT =	12,823.20
OCM =	19,234.80
VAT =	9,617.40
SUB-TOTAL = PhP	201,965.40

Unit Cost =	<u>201,965.40</u>	=	1,184.27
	170.54 sq.m.		

Total Estimated Cost = 170.54 x 1,184.27 = **PhP 201,965.40**

ITEM IX. TILE WORKS

QTY = 292.78 sq.m.

Materials :

	QUANTITY	UNIT	UNIT COST	TOTAL COST
0.60m x 0.60m Granite tiles	30	pcs.	350.00 / pcs.	10,500.00
0.40m x 0.40m Ceramic Floor tiles	930	pcs.	85.00 / pcs.	79,050.00
0.40m x 0.40m Ceramic Outdoor Tiles	200	pcs.	85.00 / pcs.	17,000.00
0.30m x 0.30m Ceramic Floor Tiles	575	pcs.	70.00 / pcs.	40,250.00
0.30m x 0.60m Ceramic Wall tiles	445	pcs.	250.00 / pcs.	111,250.00
Tile adhesive	98	bags	365.00 / bags	35,770.00
Tile Grout	59	kgs.	125.00 / kgs.	7,375.00
Portland Cement	133	bags	260.00 / bags	34,580.00
Sand	12	cu.m.	750.00 / cu.m.	9,000.00
MATERIAL COST =				PhP 344,775.00

Labor:

	NO. OF DAYS	RATE	
1 Foreman @	20	750 / day	= 15,000.00
7 Skilled Worker @	20	550 / day	= 77,000.00
4 Unskilled Worker @	20	400 / day	= 32,000.00
LABOR COST =			PhP 124,000.00

DIRECT COST (Material & Labor Cost) =	468,775.00
PROFIT =	37,502.00
OCM =	56,253.00
VAT =	28,126.50
SUB-TOTAL = PhP	590,656.50

Unit Cost =	<u>590,656.50</u>	=	2,017.41
	292.78 sq.m.		

Total Estimated Cost = 292.78 x 2,017.41 = **PhP 590,656.50**

ITEM X. STAINLESS STEEL RAILINGS

QTY = 38.9 ln.m.

Materials :

	QUANTITY	UNIT	UNIT COST	TOTAL COST
Stainless Steel Railings	38.90	ln.m.	6,500.00 / ln.m.	251,850.00
Stainless Steel Handrails	4.00	ln.m.	3,000.00 / ln.m.	12,000.00
MATERIAL AND LABOR COST =				PhP 264,850.00

DIRECT COST (Material & Labor Cost) =	264,850.00
PROFIT =	21,188.00
OCM =	31,782.00
VAT =	15,891.00
SUB-TOTAL = PhP	333,711.00

Unit Cost =	<u>333,711.00</u>	=	5,344.51
	62.44 ln.m.		

Total Estimated Cost = 62.44 x 5,344.51 = **PhP 333,711.00**

ITEM XI. STEEL WORKS

QTY = 4.41 sq.m.

Materials :

	QUANTITY	UNIT	UNIT COST	TOTAL COST
2"x4" Tubular	10.00	pcs.	1,200.00 / pcs.	12,000.00
Metal Primer	1.00	gal.	650.00 / gal.	650.00
Welding Rod	1.00	box	500.00 / box	500.00
Cutting Disc	10.00	pcs.	45.00 / pcs.	450.00
Flat Enamel	1.00	gal.	800.00 / gal.	800.00
Baby Roller	2.00	pcs.	100.00 / pcs.	200.00
MATERIAL COST =				PhP 14,600.00

Labor:					
1 Foreman	@	NO. OF DAYS	2	RATE	750 / day = 1,500.00
2 Skilled Worker	@		2		550 / day = 2,200.00
4 Unskilled Worker	@		2		400 / day = 3,200.00
				LABOR COST	= PhP 6,900.00
				DIRECT COST (Material & Labor Cost)	= 21,500.00
				PROFIT	= 1,720.00
				OCM	= 2,580.00
				VAT	= 1,290.00
				SUB-TOTAL	= PhP 27,090.00
		Unit Cost	=	27,090.00	= 6,142.86
				4.41 sq.m.	
		Total Estimated Cost =	4.41 x	6,142.86	= PhP 27,090.00

ITEM XII. INSTALLATION OF FRAMES AND CLADDING

QTY = 38.25 sq.m.

Materials :					
Installation of Frames and Cladding		QUANTITY	UNIT	UNIT COST	TOTAL COST
		38.25	sq.m.	4,500.00 / sq.m.	172,125.00
				MATERIAL AND LABOR COST	= PhP 172,125.00
				DIRECT COST (Material & Labor Cost)	= 172,125.00
				PROFIT	= 13,770.00
				OCM	= 20,655.00
				VAT	= 10,327.50
				SUB-TOTAL	= PhP 216,877.50
		Unit Cost	=	216,877.50	= 3,473.37
				62.44 sq.m.	
		Total Estimated Cost =	62.44 x	3,473.37	= PhP 216,877.50

ITEM XIII. PAINTING WORKS

QTY = 985.51 sq.m.

Materials :					
Flat Latex Paint		QUANTITY	UNIT	UNIT COST	TOTAL COST
Gloss Latex Paint		60	gal.	700.00 / gal.	42,000.00
Flat Enamel Paint		30	gal.	750.00 / gal.	22,500.00
Gloss Enamel Paint		20	gal.	700.00 / gal.	14,000.00
Concrete neutralizer		10	gal.	750.00 / gal.	7,500.00
Skim Coat		22	gal.	550.00 / gal.	12,100.00
Paint Brush		30	bags	600.00 / bags	18,000.00
Paint Roller With Pan		10	pcs.	100.00 / pcs.	1,000.00
Sand paper		10	pcs.	200.00 / pcs.	2,000.00
Gasa Tape		200	pcs.	65.00 / pcs.	13,000.00
Masking Tape		15	pcs.	65.00 / pcs.	975.00
		15	pcs.	65.00 / pcs.	975.00
				MATERIAL COST	= PhP 134,050.00
Labor:					
1 Foreman	@	NO. OF DAYS	17	RATE	750 / day = 12,750.00
7 Skilled Worker	@		17		550 / day = 65,450.00
5 Unskilled Worker	@		17		400 / day = 34,000.00
				LABOR COST	= PhP 112,200.00
				DIRECT COST (Material & Labor Cost)	= 246,250.00
				PROFIT	= 19,700.00
				OCM	= 29,550.00
				VAT	= 14,775.00
				SUB-TOTAL	= PhP 310,275.00
		Unit Cost	=	310,275.00	= 314.84
				985.51 sq.m.	
		Total Estimated Cost =	985.51 x	314.84	= PhP 310,275.00

ITEM XIV. ELECTRICAL WORKS

QTY = 43 outlets

Materials :					
Junction box		QUANTITY	UNIT	UNIT COST	TOTAL COST
Utility box		24	pcs.	40.00 / pcs.	960.00
1 gang Switch		30	pcs.	30.00 / pcs.	900.00
2 gang Switch		10	sets	95.00 / sets	950.00
2 gang Outlet		1	set	120.00 / set	120.00
ACU outlet		15	pcs.	150.00 / pcs.	2,250.00
Electrical Tape		4	pcs.	180.00 / pcs.	720.00
PVC solvent		15	pcs.	45.00 / pcs.	675.00
Panel board with 14 holes (bolt - on)		1	lit.	360.00 / lit.	360.00
15 AT circuit breaker		1	set	5,500.00 / set	5,500.00
20 AT circuit breaker		4	pcs.	460.00 / pcs.	1,840.00
30 AT circuit breaker		4	pcs.	460.00 / pcs.	1,840.00
60 AT circuit breaker		4	pcs.	460.00 / pcs.	1,840.00
		1	pc.	2,600.00 / pc.	2,600.00
				2,600.00 / pc.	2,600.00

Entrance cap with adapter	1 pc.	150.00 /	pc.	150.00
Dropwire #6	40 mts.	40.00 /	mts.	1,600.00
2.0mm ² THHN Wire	2 boxes	4,900.00 /	boxes	9,800.00
3.5mm ² THHN Wire	1 box	4,900.00 /	box	4,900.00
5.5mm ² THHN Wire	40 mts.	55.00 /	mts.	2,200.00
14.0mm ² THHN Wire	20 mts.	275.00 /	mts.	5,500.00
60x60 LED Panel	8 sets	2,500.00 /	sets	20,000.00
6" Circular Surface Mounted LED Light (daylight)	16 sets	650.00 /	sets	10,400.00
20mm Ø PVC	30 pcs	110.00 /	pcs	3,300.00
25mm Ø PVC	5 pcs	140.00 /	pcs	700.00
32mm Ø PVC	3 pcs	200.00 /	pcs	600.00
KWHMeter	1 set	5,500.00 /	set	5,500.00
MATERIAL COST =				85,205.00

Labor:		NO. OF DAYS		RATE	
1 Electrical Engineer	@	11		750 / day	= 8,250.00
4 Electrician	@	11		550 / day	= 24,200.00
				LABOR COST =	32,450.00

DIRECT COST (Material & Labor Cost) =	PhP	117,655.0
PROFIT =		9,412.40
OCM =		14,118.60
VAT =		7,059.30
SUB-TOTAL =	PhP	148,245.30

Unit Cost =	<u>148,245.30</u>	outlets =	3,447.57
	43.00		

Total Estimated Cost =	43.00	x	3,447.57	=	148,245.30
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ITEM XV. PLUMBING WORKS

QTY = 25 sets

Materials :

	QUANTITY	UNIT	UNIT COST	TOTAL COST
Water Closet including fittings and accessories	6 sets		10,000.00 / sets	60,000.00
Lavatory including fittings and accessories	4 sets		6,500.00 / sets	26,000.00
Urinal including fittings and accessories	1 set		6,000.00 / set	6,000.00
Stainless Kitchen Sink	3 sets		4,500.00 / sets	13,500.00
Faucet	4 sets		400.00 / sets	1,600.00
Floor drain	7 sets		500.00 / sets	3,500.00
WATER LINES:				
1/2" Ø PPR Pipe x 3m	15 pcs.		250.00 / pcs.	3,750.00
1/2" Ø PPR Elbow	13 pcs.		30.00 / pcs.	390.00
1/2" Ø PPR Tee	6 pcs.		30.00 / pcs.	180.00
Teflon tape	10 rolls		30.00 / rolls	300.00
WASTE LINES:				
2" Ø pvc pipe (orange) x 3m	10 pcs.		300.00 / pcs.	3,000.00
2"x2" Ø pvc elbow (orange)	10 pcs.		70.00 / pcs.	700.00
2"x2" Ø pvc wye (orange)	6 pcs.		50.00 / pcs.	300.00
2"x2" Ø pvc tee	8 pcs.		50.00 / pcs.	400.00
2" Ø Cleanout	2 pcs.		50.00 / pcs.	100.00
4" Ø pvc pipe (orange) x 3m	15 pcs.		680.00 / pcs.	10,200.00
4"x4" Ø pvc elbow (orange)	8 pcs.		150.00 / pcs.	1,200.00
4"x4" Ø pvc wye (orange)	6 pcs.		150.00 / pcs.	900.00
4"x4" Ø pvc wye w/ endplug	6 pcs.		170.00 / pcs.	1,020.00
4"x4" Ø pvc tee	6 pcs.		150.00 / pcs.	900.00
Solvent	4 lit.		485.00 / lit.	1,940.00
Cementitious Water Proofing	2 gal.		1,500.00 / gal.	3,000.00
Septic Tank				
6" CHB	165 pcs.		16.00 / pcs.	2,640.00
Portland Cement	20 bags		260.00 / bags	5,200.00
Gravel	2 cu.m.		750.00 / cu.m.	1,500.00
Sand	2.00 cu.m.		850.00 / cu.m.	1,700.00
10mm Ø RSB	66.42 kgs.		54.00 / kgs.	3,586.68
# 16 GI Tie Wire	2 kgs.		80.00 / kgs.	160.00
Catch Basin				
4" CHB	273 pcs.		14.00 / pcs.	3,822.00
Portland Cement	26 bags		260.00 / bags	6,760.00
Gravel	2.00 cu.m.		750.00 / cu.m.	1,500.00
Sand	1.00 cu.m.		850.00 / cu.m.	850.00
10mm Ø RSB	73.8 kgs.		54.00 / kgs.	3,985.20
# 16 GI Tie Wire	1 kgs.		80.00 / kgs.	80.00
MATERIAL COST =				PhP 170,663.88

Labor:		NO. OF DAYS		RATE	
1 Foreman	@	8 x		750 / day	= 6,000.00
5 Skilled Worker	@	8 x		550 / day	= 22,000.00
3 Unskilled Worker	@	8 x		400 / day	= 9,600.00
				LABOR COST =	PhP 37,600.00

DIRECT COST (Material & Labor Cost) =		208,263.88
PROFIT =		16,661.11
OCM =		24,991.67
VAT =		12,495.83
SUB-TOTAL =	PhP	262,412.49

Unit Cost	=	<u>262,412.49</u>	=	10,496.50
		25.00 sets		
Total Estimated Cost =	25.00	x	10,496.50	= PhP 262,412.49

ITEM XVI. ROOFING WORKS

QTY = 85.22 sq.m.

Materials :

	QUANTITY	UNIT	UNIT COST	TOTAL COST
1/4" thk. x 2" x 2" Angular Bar	21	pcs.	1,650.00 / pcs.	34,650.00
1/4" thk. x 1.5" x 1.5" Angular Bar	10	pcs.	1,150.00 / pcs.	11,500.00
1.5 mm thk. x 2" x 4" C-purlins	23	pcs.	900.00 / pcs.	20,700.00
16 mm Ø Plain Round Bar	10	pcs.	620.00 / pcs.	6,200.00
16 mm Ø Turn Buckle	6	pcs.	350.00 / pcs.	2,100.00
12 mm Ø Plain Round Bar	6	pcs.	400.00 / pcs.	2,400.00
0.50 mm thk. Pre Painted Long Span Rib Type	94	lin.m.	500.00 / lin.m.	47,000.00
0.50 mm thk. Pre Painted Capping	16	pcs.	750.00 / pcs.	12,000.00
0.50 mm thk. Pre Painted Gutter	8	pcs.	500.00 / pcs.	4,000.00
Welding rod	5	boxes	500.00 / boxes	2,500.00
Epoxy Primer	2	gal.	750.00 / gal.	1,500.00
Epoxy Reducer	2	lit.	750.00 / lit.	1,500.00
Paint Brush	3	pcs.	100.00 / pcs.	300.00
Blind rivets	2	boxes	550.00 / boxes	1,100.00
Teckscrew	1,000	pcs.	2.50 / pcs.	2,500.00
Vulca Seal	1	lit.	450.00 / lit.	450.00
Silicone Sealant	3	tubes	150.00 / tubes	450.00
4" dia pvc pipes - down spout	6	pcs.	680.00 / pcs.	4,080.00
4" dia pvc elbow - down spout	6	pcs.	160.00 / pcs.	960.00
MATERIAL COST =				PhP 155,890.0

Equipment (Rental)

1 - Welding Machine

NO. OF DAYS	10	RATE	350.00 / days	3,500.00
LABOR COST =				PhP 3,500.0

Labor:

	NO. OF DAYS	RATE		
1 Foreman @	12 x	750 / day		9,000.00
6 Skilled Worker @	12 x	550 / day		39,600.00
3 Unskilled Worker @	12 x	400 / day		14,400.00
LABOR COST =				PhP 63,000.0

DIRECT COST(Material & Labor)	=	222,390.00
PROFIT	=	17,791.20
OCM	=	26,686.80
VAT	=	13,343.40
SUB-TOTAL	= PhP	280,211.40

Unit Cost	=	<u>280,211.40</u>	=	3,288.15
		85.22 sq.m.		
Total Estimated Cost =	85.22	x	3,288.15	= PhP 280,211.40

ITEM XVII. SIGNAGES

QTY = 4 sets

Materials :

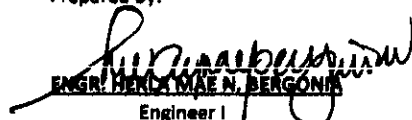
	QUANTITY	UNIT	UNIT COST	TOTAL COST
Stainless Steel LOGO				
"MULTI-PURPOSE HALL"	1	set	40,000.00 / set	40,000.00
JLD LOGO	1	set	2,500.00 / set	2,500.00
Built-up Acrylic Lighted Signages				
"MULTI-PURPOSE HALL"	1	set	70,000.00 / set	70,000.00
"Brgy. MALALAM CITY OF ILAGAN"	1	set	47,000.00 / set	47,000.00
MATERIAL and LABOR COST =				PhP 159,500.0

DIRECT COST(Material & Labor)	=	159,500.00
PROFIT	=	12,760.00
OCM	=	19,140.00
VAT	=	9,593.69
SUB-TOTAL	PhP	200,993.69

Unit Cost	=	<u>200,993.69</u>	=	50,248.42
		4.00 sq.m.		
Total Estimated Cost =	4.00	x	50,248.42	= PhP 200,993.69

TOTAL PROJECT COST	PhP	6,400,000.00
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Prepared By:


ENGR. HERICK MAE N. BERGONIA
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