

PROJECT : **PROPOSED CONSTRUCTION/IMPROVEMENT OF MEZ TEMPORARY OFFICE AT AA**
 LOCATION : MACTAN ECONOMIC ZONE, LAPU-LAPU CITY
 Date : FEBRUARY 2020

DETAILED COST ESTIMATES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
I.	GENERAL REQUIREMENTS		
	Mobilization/Demob	1.00	LOT
	Permit application, Structural investigation/analysis	1.00	lot
II.	EXCAVATION WORKS		
	Excavation	82.30	cu.m
	A Materials		
	B Equipment Rental @ 8 hrs/day		
	C Labor		
	D Estimated Direct Cost(EDC)=A+B+C		
	E Indirect Cost/Mark-Up		
	Overhead, Contingencies & Miscelaneous @ 12% of EDC		
	Profit @ 8% of EDC		
	Sub-Total		
	F 5% Value Added Tax of D + E		
	G Total Cost = D + E + F		
	H Unit Cost		
III	CONCRETE WORKS	22.67	cu.m
	Materials		
	Portland Cement	225.00	bags
	3/4 Crushed Gravel	28.00	cu.m
	Washed Sand	15.00	cu.m
	20mm dia. Deformed Bars	60.00	pcs
	16mm dia. Deformed Bars	179.00	pcs
	10mm dia. Deformed Bars	263.00	pcs
	20mm dia. X 600mm Anchor Bolts	90.00	pcs
	16mm thk Steel Plate 4x8 ft.	2.00	sheets
	Tie Wires	2.00	rolls
	Formworks and Hardwares	1.00	lot
	B Equipment Rental @ 8 hrs/day		
	Cocrete Mixer	15.00	days
	C Labor		
	Foreman	37.00	days
	Mason Carpenter	74.00	days
	Steelman	74.00	days

	Laborer/Helper (DOLE's minimum wage for region 7)	111.00	days
D	Estimated Direct Cost(EDC)=A+B+C		
E	Indirect Cost/Mark-Up		
	Overhead, Contingencies & Miscelaneous @ 12% of EDC		
	Profit @ 8% of EDC		
	Sub-Total		
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H	Unit Cost		
IV	STEEL WORKS (COLUMN, BEAMS, MEZZANINE FLOOR AND FLOOR FRAMING)	1.00	lot
	Columns, Beams, Floor joist frame, floor joist, steel stais, aircon/condenser flatform		
A	Materials		
	W14x53 x 6.0m Flange (I-Beam)	9.00	lengths
	W12 x 40 x 6.0m Flange (I-Beam)	34.00	lengths
	2x6 C- Channel x 6.0mm Thk. w/10mm steel bars bracing	36.00	lengths
	1.5mm thk. 2 x 3 x 6.0m C-Purlins	284.00	pcs
	1" Thk. Marine Plywood	110.00	sheets
	1/4 x 2 x 2 Angle Bars	4.00	pcs
	1/4 x 1 1/2 Angle Bars	23.00	pcs
	3/16 x 1 Angle Bars	35.00	pcs
	3/16 x 1 1/2 Flat Bar	15.00	pcs
	Stainless Stair Railings and Handrail	1.00	lot
	Painting works	1.00	lot
	Welding Rods and Hardwares	1.00	lot
B	Equipment Rental @ 8 hrs/day		
	Portable Lifter	1.00	lot
	Welding Machine w/ Generator	32.00	days
C	Labor		
	Leadman/Foreman	32.00	days
	Welder	248.00	days
	Carpenter	64.00	days
	Laborer/Helper (DOLE's minimum wage for region 7)	160.00	days
D	Estimated Direct Cost(EDC)=A+B+C		
E	Indirect Cost/Mark-Up		
	Overhead, Contingencies & Miscelaneous @ 12% of EDC		
	Profit @ 8% of EDC		
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V	FLOOR, WALL AND CEILING FINISHES		
A	Materials		
	Floor Finishes:		
	600x600mm Ceramic/China Granite Tiles w/ complete accessories and floor preparation(ZA/DG's Office)	92.94	sq.m
	300 x 300mm Ceramic Floor Tiles w/ complete accessories and floor preparation(DG/ZA, OZA CR	16.80	sq.m
	300 x300mm Vinyl Floor Tiles w/ complete accessories and floor preparation(Other area)	416.00	sq.m
	Wall Finishes:		
	Drywall (double wall) partition, 6mm hardiflex board on 1.5 x 3 metal studs frame w/ paint finish	504.64	sq.m
	Drywall (double wall) partition, 6mm hardiflex board on 1.5mm x 2 x 4 C-Purlins frame w/ paint finish	121.20	sq.m
	Ceramic wall tiles (CR) w/ complete accessories (DG/OZA CR)	63.20	sq.m
	4" CHB wall partion CR (DG/ZA Office)	9.20	sq.m
	Ceiling Finishes:		
	2/4 ft. Boral/Acoustic Ceiling Board on powder coated T-runner, cross tee and wall angle frame	1,257.77	sq.m
	4mm thk. Hardiflex board on metal furring frame w/ paint finish	197.00	sq.m
B	Equipment Rental @ 8 hrs/day		
C	Labor	1.00	lot
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VI	DOORS, WINDOWS AND PLUMBING WORKS		
A	Materials		
	2.0 X 2.10 Double Swing Door 3/8 glass on analok aluminum frame w/ complete accessories	2.00	sets
	1.60 X 2.10 Double Swing Door 3/8 glass on analok aluminum frame w/ complete accessories	6.00	sets
	0.80 x 2.10 Flush Door on 2 x 4 Treated Door Jamb	27.00	sets

	0.70 x 2.10 Flush Door on 2 x 4 Treated Door Jamb	10.00	sets
	1.2 x 1.5 Fixed Glass Counter w/ Hole 3/8 Glass (EAD)	4.00	sets
	1.2 x 1.8 Fixed Glass Counter w/ Hole 3/8 Glass (Cashier)	1.00	sets
	Water Closet, Lavatory, soap and tissue holder (DG's office)	1.00	set
	B Equipment Rental @ 8 hrs/day		
	C Labor		
	Foreman/Leadman	20.00	days
	Mason Carpenter	40.00	days
	Laborer/Helper (DOLE's minimum wage for region 7)	40.00	days
	D Estimated Direct Cost(EDC)=A+B+C		
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VII	ELECTRICAL WORKS		
	Materials		
1	Transformer		
	Transformer (167 kva)	3	unit
	Pole mounted type		
1.1	oil immersed, 13.2/230volt		
1.2	Transformer's (accessories)	1	lot
1.3	Concrete Pole (40 ft)	1	unit
	Pole accessories	1	lot
2	Automatic Transfer switch		
2.1	ATS w/ accessories	1	unit
	KWHR Meter	1	unit
3	Wire/Cables		
4	Wires/Cable: 200 mm.sq		
5	Wires/Cable: 100 mm.sq	300	mtr
6	Wires/Cable: 80 mm.sq	445	mtr
7	Wires/Cable: 60 mm.sq	150	mtr
8	Wires/Cable: 38 mm.sq	200	mtr
9	Wires/Cable: 30 mm.sq	150	mtr
10	Wires/Cable: 8.0 mm.sq	8	box
11	Wires/Cable: 5.5 mm.sq	14	box
	Wires/Cable: 3.5 mm.sq	18	box
12	Circuit Breaker		
	MDP-1000 A, 3PHASE	1	unit
13	w/ enclosure & accessories		

14	CB-250 A	8	unit
14	CB-150 A	4	unit
15	CB-125 A	2	unit
15	CB-100 A	2	unit
16	CB-75 A	2	unit
17	CB-60 A	2	unit
18	CB-50 A	2	unit
19	CB-30 A	76	unit
	CB-15/20 A	42	unit
20	Convenience Outlet		
20.1	Convenience Outlet (3 gang)	144	unit
	Convenience Outlet (1 gang)	59	unit
21	Lighting Switch		
22	Switch (3 gang)	30	pcs
	Switch (2 gang)	8	pcs
23	Accessories		
23.1	Junction Box (2x3 inc)	65	pcs
	Flexible electrical hose		
24	Electrical conduit (PVC)		
24.1	PVC 1-1/2 inc	65	length
24.2	PVC 3/4 inc	80	length
25	PVC 1/2 inc	190	length
26	Electrical Tape	45	pcs
27	Tie wire	5	kl
	Electrical Panel Board	12	pcs
	w/ enclosure & accessories		
30	Emergency light set w/ complete accessories	59	unit
	B Equipment Rental @ 8 hrs/day		
	C Labor		
	Installation labor	1.00	LOT
	Test & commissioning	1.00	LOT
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VIII	MECHANICAL WORKS		
	Materials		
1	Transformer		

	Window Type, 2hP	1.0	unit
	Window Type, 1.5 TR	1.0	unit
1.1			
1.2	Window Type, 2 HP	2.0	units
1.3	Split Type, Floor Mounted, 3TR w/ complete accessories	1.0	units
	Window Type, 2 HP	1.0	unit
2	Split Type, Ceiling Mounted, 5TR w/ complete accessories	1.0	unit
2.1	Split Type, Floor Mounted, 3TR w/ complete accessories	1.0	unit
	Window Type, 2 HP	1.0	unit
3	Split Type, Floor Mounted, 3TR w/ complete accessories	2.0	units
4	Window Type, 2HP	2.0	units
5	Split Type, Ceiling Mounted, 1TR w/ complete accessories	1.0	unit
6	Split Type, Ceiling Mounted, 1TR w/ complete accessories	1.0	unit
7	Window Type, 1TR	1.0	unit
8	Window Type, 2 HP	1.0	unit
9	Split Type, Ceiling Mounted, 1.5 TR w/ complete accessories	1.0	unit
10	Window Type, 2HP	3.0	units
	Split Type, Floor Mounted, 3TR w/ complete accessories	2.0	units
	Window Type, 2HP	1.0	unit
	Window Type, 2HP	1.0	unit
	Split Type, Ceiling Mounted, 3TR w/ complete accessories	1.0	units
	Split Type, Ceiling Mounted, 1.5 TR w/ complete accessories	1.0	unit
	Window Type, 2HP	2.0	units
	Window Type, 1.5 TR	1.0	unit
	Split Type, Ceiling Mounted, 1 TR w/ complete accessories	1.0	unit
	Split Type, Ceiling Mounted, 3TR w/ complete accessories	1.0	unit
	Split Type, Floor Mounted, 3TR w/ complete accessories	1.0	unit
B	Equipment Rental @ 8 hrs/day		
	Masonry Drill	1.00	LOT
	Demolition Hammer	1.00	LOT
C	Labor		
	Leadman/Foreman	29.00	days
	Skilled Worker/Aircon Installer	58.00	days
	Laborer/Helper (DOLE's minimum wage for region 7)	58.00	days
D	Estimated Direct Cost(EDC)=A+B+C		
E	Indirect Cost/Mark-Up		

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LOCATION : MACTAN ECONOMIC ZONE, LAPU-LAPU CITY
Date : JANUARY 2020

SUMMARY:

ITEM #	DESCRIPTION	UNIT
<i>I.</i>	GENERAL REQUIREMENTS	LOT
<i>II.</i>	EXCAVATION WORKS	CU.M
<i>III.</i>	CONCRETE WORKS	CU.M
<i>IV.</i>	STEEL WORKS (COLUMN, BEAMS, MEZZANINE FLOOR AND FLOOR FRAMING)	SQ.M
<i>V.</i>	FLOOR, WALL AND CEILING FINISHES	LOT
<i>VI.</i>	DOORS, WINDOWS AND PLUMBING WORKS	LOT
<i>VII</i>	ELECTRICAL WORKS	LOT
<i>VIII</i>	MECHANICAL WORKS	LOT
	ESTIMATED TOTAL PROJECT COST (PHp) =	

Prepared :

LOUIE EVANS E. ESOTO
Division Chief II, EMD

Checked and Verified:

ISAGANI B. PULVERA
Department Manager, Operations

I BUILDING

QUANTITY	AMOUNT	REMARKS
1.00		
82.30		
22.67		
288.00		
1.00		
1.00		
1.00		
1.00		
	-	

Recommending Approval:

RUFINO RANULFO Z. SAN JUAN IV

OIC- DZA

Approved:

Bgen. CHARITO B. PLAZA, MNSA PhD.

Director General and Zone Administrator

for MEZ and VisMin SEZ's