

BILL OF QUANTITIES

PROJECT TITLE : PROPOSED CONSTRUCTION OF LS APURAWAN (12.00 MTS)

LOCATION : APURAWAN, ABORLAN, PALAWAN

OWNER : PHILIPPINE COAST GUARD

SUBJECT : BILL OF QUANTITIES

=====

SUMMARY

		MATERIALS	LABOR	% WEIGHT
I	EARTH WORKS AND SITE PREPARATIONS	₱	₱	
II	CONCRETE WORKS (LIGHT HOUSE TOWER)	₱	₱	
III	RETAINING WALL AND FENCE	₱	₱	
IV	CONCRETE MASONRY (LIGHT STATION TOWER)	₱	₱	
V	STEEL WORKS	₱	₱	
VI	DOORS and WINDOWS (including Jambs)	₱	₱	
VII	PAINTING	₱	₱	
VIII	EQUIPMENT EXPENSES		₱	
TOTAL		₱	₱	

BID FORMAT

PROJECT TITLE : PROPOSED CONSTRUCTION OF LS APURAWAN (12.00 MTS)

LOCATION : APURAWAN, ABORLAN, PALAWAN

OWNER : PHILIPPINE COAST GUARD

SUBJECT : DETAILED ESTIMATE RECAPITULATION

=====

R E C A P I T U L A T I O N

I	DIRECT COST (DC)	
	A MATERIAL COST	₱
	B LABOR COST	₱
	C EQUIPMENT EXPENSES	₱
	TOTAL DIRECT COST (TDC)	₱
II	INDIRECT COST (IC)	
	D OVERHEAD, CONTINGENCIES and	₱
	MISCELLANEOUS EXPENSES (__ % of A+B)	
	E CONTRACTOR'S PROFIT (__ % of A+B)	₱
	INDIRECT COST (IC)	₱
III	VAT (__ % of TDC + IC)	₱
IV	TOTAL CONSTRUCTION COST (TCC=TDC+IC+VAT)	₱

AMOUNT IN WORDS: _____

DETAILED COST ESTIMATES

PROJECT TITLE : PROPOSED CONSTRUCTION OF LS APURAWAN (12.00 MTS)

LOCATION : APURAWAN, ABORLAN, PALAWAN

OWNER : PHILIPPINE COAST GUARD

SUBJECT : DETAILED COST ESTIMATES

Project Duration : 150 Calendar Days

ITEM NO	DESCRIPTION	QTY	UNIT	MATERIAL COST	LABOR COST	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT			TOTAL INDIRECT COST	VAT	TOTAL COST	UNIT COST
							OCM	PROFIT	TOTAL				
I	EARTH WORKS AND SITE PREPARATIONS												
01	Excavation		cu.m										
02	BackFilling		cu.m										
03	Filling Materials		cu.m										
04	Cleaning and Grubbing		lot										
	Sub - Total I												
II	CONCRETE WORKS (LIGHT HOUSE TOWER)												
IIA	Footing (Tower)												
01	Concrete Volume (Class A, 3500psi)		cu.m.										
02	Cement		bags										
03	Sand		cu.m.										
04	Gravel (G-1)		cu.m.										
05	20mm. Dia. RSB		kgs.										
06	Ga.16 Tie Wire		kgs.										
IIB	Concrete Tower(shear wall)												
01	Concrete Volume (Class A, 3500psi)		cu.m.										
02	Cement		bags										
03	Sand		cu.m.										
04	3/4" Gravel		cu.m.										
05	20mm. Dia. RSB		kgs.										
06	10mm. Dia. RSB		kgs.										
07	Ga.16 Tie Wire		kgs.										
IIC	Concrete Corbel												
01	Concrete Volume (Class A, 3500psi)		cu.m.										
02	Cement		bags										
03	Sand		cu.m.										
04	3/4" Gravel		cu.m.										
05	12mm. Dia. RSB		kgs.										
06	10mm. Dia. RSB		kgs.										
07	Ga.16 Tie Wire		kgs.										

IID	Concrete Stair												
01	Concrete Volume (Class A, 3500psi)	cu.m.											
02	Cement	bags											
03	Sand	cu.m.											
04	3/4" Gravel	cu.m.											
05	12mm. Dia. RSB	kgs.											
06	10mm. Dia. RSB	kgs.											
07	Ga.16 Tie Wire	kgs.											
IIE	Concrete(Platform) Slab												
01	Concrete Volume (Class A, 3500psi)	cu.m.											
02	Cement	bags											
03	Sand	cu.m.											
04	3/4" Gravel	cu.m.											
05	12mm. Dia. RSB	kgs.											
06	10mm. Dia. RSB	kgs.											
07	Ga.16 Tie Wire	kgs.											
IIF	Formworks												
01	Contact Area	sq.m.											
02	Lumber	bd.ft.											
03	Formplywood	shts.											
04	CWNail	kgs.											
IIG	Scaffoldings												
01	Area	sq.m.											
02	Lumber	bd.ft.											
03	CWNail	kgs.											
	Sub - Total II												
III	RETAINING WALL AND FENCE												
IIIA	Footing (Retaining Wall)												
01	Concrete Volume (Class A, 3500psi)	cu.m.											
02	Cement	bags											
03	Sand	cu.m.											
04	3/4" Gravel	cu.m.											
05	12mm. Dia. RSB	kgs.											
06	10mm. Dia. RSB	kgs.											
IIIB	Retaining Wall (CHB)												
01	Wall Area	sq.m.											
02	Cement	bags											
03	Sand	cu.m.											
04	150x200x400 CHB	pcs.											
05	10mm. Dia. RSB	kgs.											
06	Ga.16 Tie Wire	kgs.											

IIIC	Footing (Fence Column)												
01	Concrete Volume (Class A, 3500psi)		cu.m.										
02	Cement		bags										
03	Sand		cu.m.										
04	3/4" Gravel		cu.m.										
05	12mm. Dia. RSB		kgs.										
IIID	Wall Footing Fence												
01	Concrete Volume (Class A, 2000psi)		cu.m.										
02	Cement		bags										
03	Sand		cu.m.										
04	3/4" Gravel		cu.m.										
05	12mm. Dia. RSB		kgs.										
06	10mm. Dia. RSB		kgs.										
IIIE	Column Fence												
01	Concrete Volume (Class A, 2000psi)		cu.m.										
02	Cement		bags										
03	Sand		cu.m.										
04	3/4" Gravel		cu.m.										
05	16mm. Dia. RSB		kgs.										
06	10mm. Dia. RSB		kgs.										
IIIF	Fence (CHB Wall)												
01	Wall Area		sq.m.										
02	Cement		bags										
03	Sand		cu.m.										
04	150x200x400 CHB		pcs.										
05	10mm. Dia. RSB		kgs.										
06	Ga.16 Tie Wire		kgs.										
IIIG	Slab on Fill												
01	Concrete Volume (Class A, 2000psi)		cu.m.										
02	Cement		bags										
03	Sand		cu.m.										
04	3/4" Gravel		cu.m.										
05	10mm. Dia. RSB		kgs.										
IIIH	Formworks												
01	Contact Area		sq.m.										
02	Lumber		bd.ft.										
03	Formplywood		shts.										
04	CWNail		kgs.										
	Sub - Total III												

IV CONCRETE MASONRY (LIGHT STATION TOWER)													
	Plastering (Double Face)												
01	Area (16mm. thk)		sq.m.										
02	Cement		bags										
03	Sand		cu.m.										
	Sub - Total IV												
V STEEL WORKS													
VA	Fence and Gate												
01	60mm dia. G.I. Pipe Sch. 40		pcs.										
02	Cyclone Wire 2.40mm dia.		rolls										
VB	Railings/Handrails/ Ballusters												
	(use: Aluminum Alloy round tube)												
	Stair railings (inner rails)												
03	42.3mm dia.Handrail		lm										
	48mm dia.x 1000mm Balluster w/		pcs.										
	Ball joint and wall flange connector												
	Platform railings (Outer Rails)												
04	42.3mm dia.Handrail		lm										
	48mm dia.x 1200mm Balluster w/		pcs.										
	Ball joint and wall flange connector												
	Ladder												
05	42.3mm dia.alum. Alloy round tube		lm										
	Lantern Casing (Housing)												
06	Roofing Assembly		lot										
07	Alum. slate frame w/ bolt and nuts		lot										
08	10mm. Thk Tempered glass casing		sqm.										
	Solar Panel / Lighting Beacon												
	Holder												
9	6mm (1/4")thk x 50 x 50 mm		pcs.										
	alloy Angle Bar												
10	20 mm dia x 8" Anchor Bolt		pcs										
11	Miscellaneous		lot										
	Sub - Total V												

VI DOORS and WINDOWS (including Jambs)													
	Doors												
01	Solid Aluminum Doors with Transom Louver including Jamb jambs	set											
02	600mm x 700Solid Alum. Door with Jambs	set											
	Windows												
03	0.60x1.2 Alum. casement french wdw type w/ Fiberglass	sets											
	HARDWARES												
04	Sealant Adhessive	bottles											
	Sub - Total III												
VII PAINTING													
01	Masonry Walls (3 Coats)	sq. m											
02	metal Surface (3 Coats)	sq. m											
03	Acrytex Primer	pail											
04	Semi-Gloss Acrytex	pail											
05	Flat Wall Enamel	gals											
06	Quick Drying Enamel	pail											
07	Flat Latex	pail											
08	Semi-Gloss Latex	pail											
09	Assorted Acry/Tinting Color	gals											
10	Rubberized Paint	gals.											
11	Concrete Neutralizer	pail											
12	Paint Thinner	pail											
13	Glazing Putty	gals.											
14	Patching Compound	bags											
15	Epoxy Primer	gals.											
16	Body Filler	gals											
17	Sand Paper #100	pcs											
18	Paint Roller w/ tray	sets											
19	Assorted Paint Brush	lot											
20	Palette(Paleta)	pairs											
	Sub - Total VI												
VIII EQUIPMENT EXPENSES													
VIIIA	EQUIPMENT RENTAL												
01	100KW Portable Genset	Mos											
02	Concrete Mixer	days											
03	Concrete Vibrator	days											

04	500Amp. Welding Machine		days										
05	OxyAcetylene Outfit		days										
06	Vibratory Plate Compactor 7hp		days										
07	Water Truck 3000 gals		hrs										
VIIIB	TRANSSHIPMENT												
08	Sand		cu.m										
09	Gravel		cu.m										
10	boulder(rip-rap)		tons										
11	Shore protection		tons										
10	Water		gal										
11	Cement		bags										
12	RSB		kgs										
13	CHB		pcs										
14	Hardware		kgs										
15	Carpentry materials		kgs										
VIIIC	MOBILIZATION/DEMOBILIZATION												
16	Mobilization/Demobilization		lot										
	Sub - Total VIII												
	TOTAL COST												