

BILL OF QUANTITIES

PROJECT TITLE : PROPOSED CONSTRUCTION OF LS BUGUEY (10.00 MTS)
 LOCATION : CENTRO, BUGUEY, CAGAYAN
 OWNER : PHILIPPINE COAST GUARD
 SUBJECT : BILL OF QUANTITIES

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SUMMARY

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

BID FORMAT

PROJECT TITLE : PROPOSED CONSTRUCTION OF LS BUGUEY (10.00 MTS)
 LOCATION : CENTRO, BUGUEY, CAGAYAN
 OWNER : PHILIPPINE COAST GUARD
 SUBJECT : DETAILED ESTIMATE RECAPITULATION

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RECAPITULATION		
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 BUGUEY (10.00 MTS)
 LOCATION : CENTRO, BUGUEY, CAGAYAN
 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.										
ED ESTI 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)	D	cu.m.																
02	Cement		bags																
03	Sand	E	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.																

IIIIH	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/ Ball joint and wall flange connector		pcs.																	
	Platform railings (Outer Rails)																			
04	42.3mm dia.Handrail		lm																	
	48mm dia.x 1200mm Balluster w/ Ball joint and wall flange connector		pcs.																	
	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 alloy Angle Bar		pcs.																	
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											