

BILL OF QUANTITIES

PROJECT TITLE : PROPOSED CONSTRUCTION OF LS TERNATE (10.00 MTS)
 LOCATION : TERNATE, CAVITE
 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	P	
TOTAL		P	P	

BID FORMAT

PROJECT TITLE : PROPOSED CONSTRUCTION OF LS TERNATE (10.00 MTS)
 LOCATION : TERNATE, CAVITE
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 SUBJECT : DETAILED ESTIMATE RECAPITULATION

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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 TERNATE (10.00 MTS)
 LOCATION : TERNATE, CAVITE
 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/ 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 Adhesive		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												