BILL OF QUANTITIES

PROJECT TITLE	:	PROPOSED CONSTRUCTION OF GENSET PAD AND INSTALLATION OF GENSET WIRINGS,
		ACCESSORIES AND EQUIPMENT
LOCATION	:	COAST GUARD DISTRICT SOUTH EASTERN MINDANAO, Sasa Wharf, Davao City
OWNER	:	PHILIPPINE COAST GUARD
SUBJECT	:	BILL OF QUANTITIES

	SUMMARY										
		MATERIAL	S LABOR	% WEIGHT							
I	CONCRETE PEDESTAL AND SHED	₽	₽								
Ш	WIRES AND CABLES	₽	ŧ								
III	PIPES AND FITTINGS	₽	ŧ								
IV	PANELBOARDS AND CIRCUIT BREAKERS	₽	₽								
V	MISCELLANEOUS AND HARDWARES	₽	₽								

TOTAL

BID FORMAT

PROJECT		 PROPOSED CONSTRUCTION OF GENSET PAD AND INSTALLATION OF GENSET WIRINGS, ACCESSORIES AND EQUIPMENT COAST GUARD DISTRICT SOUTH EASTERN MINDANAO, Sasa Wharf, Davao City PHILIPPINE COAST GUARD DETAILED ESTIMATES RECAPITULATION 								
		RECAPIT	TULAT	ΙΟΝ						
I		DIRECT COST (DC)								
	Α	MATERIAL COST	₽							
	В	LABOR COST	₽							
	С	EQUIPMENT COST (Mobilization)	₽							
	D	TRANSHIPMENT (Cables, Pipes, and Panelboards)	₽							
	ΤΟΤΑ	L DIRECT COST (TDC)		₽						
		INDIRECT COST (IC)								
	Е	OVERHEAD, CONTINGENCIES and	₽							
		MISCELLANEOUS EXPENSES								
		(% of A + B)								
	F	CONTRACTOR'S PROFIT (% of A + B)	₽							
	ΤΟΤΑ	L INDIRECT COST (TIC)		₽						
111	VAT (% of TDC + TIC)		₽						
IV	OTHE	R GOVERNMENT EXPENSES (Utilities and O	ther Fees)	₽						
V	ΤΟΤΑ	L CONSTRUCTION COST (TCC) (I+II+III+IV)		₽						

AMOUNT IN WORDS: _____

DETAILED COST ESTIMATE

OWNER : PHILIPPINE COAST GUARD : DETAILED COST ESTIMATE SUBJECT ITEM MATERIAL TOTAL DIRECT MARK-UPS IN PERCENT TOTAL DESCRIPTION QTY UNIT AMOUNT LABOR COST AMOUNT VAT TOTAL COST UNIT COST NO NDIRECT COST COST COST OCM PROFIT TOTAL I EARTH WORKS AND SITE PREPARATIONS IA Earthworks 01 Excavation cu.m 02 Backfilling cu.m IB Concrete Works (Footing / Column / Wall / Slab) 01 Concrete Volume cu m 02 Portland Cement bag 03 Sand cu.m 04 G-1 Crushed Gravel cu.m 05 12mm Ø Reinf. Steel Bars kg 06 10mm Ø Beinf Steel Bars ka (Manhole and concrete encasement) 01 Concrete Volume 02 Portland Cement cu m bag 03 Sand cu.m 04 G-1 Crushed Gravel 05 12mm Ø Reinf. Steel Bars cu.m kg 06 10mm Ø Ties рс IC Plastering and Topping 01 Floor Area (Assume hk. = 25 mm) sq m Class "D" 1:5 mixture 02 Cement 03 Sand bag cu m ID Shed (Steel Frame) Base Plate / Anchor Bolt 01 25 mm thk. MS Plate (0.30m x kg 0.30 mm) 02 20 mm dia x 300 mm x 50 mm set Anchor Bolt w/ Nuts and Washer Main Frame 03 L50x50x6 Angular Bar kg 6.0mm thk. (1/4") (4.47 kg/m) Web Members 04 L38x38x6 Angular Bar kg 6.0mm thk. (1/4") (3.53 kg/m) Purlins 05 1.0 mm thk. 100mm x 50mm рс LC Shapes (C-Purlins) Cross Bracing 06 20mm dia. Plain Round Bar рс 07 16mm dia. Plain Round Bar IE Roofing Works pc 01 0.50 mm x 1050 Pre-painted sq.m Roofing Sheets (Rib Type) (1.0 pc - 7.98 m 9.0pc - 16.80 m) 02 Ga. 24 (0.701 mm) L.m. Ga. 24 Pre-Painted Plain Gutter 03 Ga. 24 (0.701 mm) l.m. Ga. 24 Pre-Painted flashing Hardware Accessories 04 Tekscrew 05 Clear Silicon Rubber Sealant рс рс 06 Touch-up Paint gal Down Spout 07 50 mm Ø x 3.0 m PVC length 08 50 mm PVC Elbow DC IF Painting 01 Metal / Steel Surfaces sq.m (Roof Framing Sytem) 02 Quick Drying Enamel aal 03 Paint Thinner 04 Red Lead Primer gal gal 05 Reducer gal IG Miscellaneous sq.m

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LOCATION : COAST GUARD DISTRICT SOUTH EASTERN MINDANAO, Sasa Wharf, Davao City

	Woodforms	bdf								
	6 mm (1/4 ") thk. Formply	sh								
04	Assorted Nails	kg								
05	Ga #16 GI Tie Wires	kg								
	Sub - Total I									
	WIRES AND CABLES									
	THW (Feeder/Subfeeder)									
01	175 mm ² Cu Cond Strnd	m								
	125 mm² Cu Cond Strnd	m								
02	THHN									
01	3.5 mm ² Cu Cond Strnd	m	-	-						
01		111								
	TW (Grounding)		_							
	175 mm ² Cu Cond Strnd	m								
	125 mm ² Cu Cond Strnd	m								
03	3.5 mm ² Cu Cond Strnd	m								
	Sub - Total II									
	PIPES AND FITTINGS									
	Pipes									
01	110 mm Ø x 3m PVC	lgti								
02	80 mm Ø x 3m IMC w/ Coupling	lgti								
	PVC ELBOWS									
01	110 mm Ø	pc	1		i i	İ	i i		ĺ	
	80 mm Ø IMC	pc		1	i	i			i	
	PVC ENDBELL	pe		1					1	
01	110 mm Ø	рс		1						
		pc	1							
-	Sub - Total III		1							
IV	PANELBOARDS AND CIRCUIT BREAKERS									
	ATS (Automatic Transfer Switch)									
01	AIS (Automatic Transfer Switch)	ass	/							
	500AT,600AF, 3P, 250V, 60Hz		_							
	Automatic Transfer Switch wall mounting		_							
	in NEMA-3R Enclosure									
02	MDS (Main Disconnecting Switch)	ass	/							
	250Amps, 3PST, 250V, 60Hz									
	Fusible Type in NEMA 3R Enclosure									
	Sub - Total IV									
	MISCELLANEOUS AND HARDWARES									
01	30 mm ² Bare Copper Wire	m								
02	3/4 Ø x 10' Ground Rod	pc								
03	Exothermic welding proccess	pcs								
04	2x20W Industrial Fluorescent Lamp	se								
	with Aluminum reflector									
05	Special purpose Duplex Convenience Outlet	se								
	Fabricated pull box, ga#14, 900mmx400mmx300mm									
06	(LXWXD) Powder coated gray paint, weather proof	set	3							
07	Electrical Tape	bno	1	1		1			1	
	Rubber Tape	rol		1						
	Hacksaw Blade	pcs		1		 				
	Ga #14 GI Pull Wire	kg		+		 ł			 	
	PVC Cement, 120cc			1					 	
		can								
	5mm x 300mm Cable Ties	pac		-						
	80 mm Ø Entrance Cap	pc							 	
	PIPE SUPPORT Fabrication									
	50mm x 50mm x 4.5 mm Angle Bar	pcs		1					 	
	5/8" Dyna Bolt	pcs								
	4" dia x 1/4" U-bolt Clamp	pcs								
04	Welding Rod	kgs								
	Generator Set Mounting									
01	Anchore Bolt	pcs								
02	Vibration Isolator, 3-Tons Capacity	pcs								
	Battery float charger for 313kVA Genset	pcs								
	Concrete Cutting / Reconcreting Works / Mounting			1	i		1			
04	Implement	lot	1							
	Complete Exhaust System equipped with		1	1	1	 1			 1	
05	muffler/silencers	lot								
	mamerialeneela									
	Sub Tatal V									
	Sub - Total V							 		
			-	-				L		
1	TOTAL COST									
				1	1					