PROJECT TITLE : CONSTRUCTION OF LS MAVULIS AS PART OF THE CONSTRUCTION OF THIRTEEN (13)

LIGHTHOUSE STATIONS IN THE NORTHERNMOST ISLANDS OF THE COUNTRY

LOCATION : YAMI/MAVULIS ISLAND, ITBAYAT, BATANES

OWNER : PHILIPPINE COAST GUARD

## **BILL OF QUANTITIES**

I	ITEM		I QUAIL			
1.1   Mobilization, Permits & Demobilization   1   lot   1.1.1   Mobilization/Demobilization   1   lot   1.1.2   Permits, Licenses & Clearance Acquisition   1   lot   1.1.2   Permits, Licenses & Clearance	NO NO	DESCRIPTION	QTY	UNIT		TOTAL COST (Pesos)
1.1.1   Mobilization/Demobilization   1   lot	1	GENERAL REQUIREMENTS				
1.1.1   Mobilization/Demobilization   1   lot   lot   Construction Health and Safety Program   1   lot   L	l.1	Mobilization, Permits & Demobilization				
1.1.2   Permits, Licenses & Clearance Acquisition   1   lot     1.2   Construction Health and Safety Program   1   lot     1.3   Temporary Facility and Billiboards   1   lot     1.3.1   PCG Engineer's Barracks and Billboards   1   lot     1.3.2   PCG Engineer's Barracks   1   lot     1.3.3   Sub - Total   I     1.4   Earthworks		Mobilization/Demobilization	1	lot		
1.3			1	lot		
1.3.1   Contractor's Barracks and Billboards   1   lot     1.3.2   PCG Engineer's Barracks   1   lot     1   EARTH WORKS     11.1   Earthworks     11.1.2   Exavavitor/Backfilling and compaction   28.8   cu.m     11.1.2   Concrete WorkS     11.1   Footing (Concrete Vol = 32.8 cu.m)     111.1   Sand   16.4   cu.m     111.1.3   Gravel G1   32.4   cu.m     111.1.4   Somm Ø Reinf. Steel Bars Grade 60   2,745.90   kgs     111.1.5   10mm Ø Reinf. Steel Bars Grade 40   552.83   kgs     111.1.6   Water   20,000.00   ltrs     111.1.7   GI Wire # 16   18   kgs      V GLASS REINFORCED PLASTIC TOWER   1   assy    VI ATON EQUIPMENT   1   pc     V J.2   Solar Panel   12   V Nominal Voltage, 85-150 Watts   Cargo Controler   So Watts, Auto 12V/24V Rated Voltage   1   pc     VI.4   Charge Controler   Charge Controler   Solar wire, Grounding systems, pipes, fittings and other accesories   1   lot	1.2	Construction Health and Safety Program	1	lot		
I.3.2   PCG Engineer's Barracks   1   lot     II	'I.3	Temporary Facility and Billboards				
II	1.3.1	Contractor's Barracks and Billboards	1	lot		
II	1.3.2	PCG Engineer's Barracks	1	lot		
II						
II.1   Earthworks   Excavation/Backfilling and compaction   II.1.2   Gravel Bedding   1.6   cu.m		Sub - Total I				
II.1.1   Excavation/Backfilling and compaction   II.1.2   Gravel Bedding   Sub - Total   II   III   CONCRETE WORKS     III.1   Footing (Concrete Vol = 32.8 cu.m)   296   bags   cu.m						
III.1.2   Gravel Bedding						
III   CONCRETE WORKS   III.1.1   Footing (Concrete Vol = 32.8 cu.m)   296   bags   16.4   cu.m   32.4   cu.m   4.5   cu.m   4.5   cu.m   5.52.83   kgs   cu.m   5.52.83   kgs   cu.m   5.52.83   kgs   cu.m   6.52.83   kgs		,				
III	11.1.2	Gravel Bedding	1.6	cu.m		
III.1   Footing (Concrete Vol = 32.8 cu.m)   296   bags   16.4   cu.m   32.4   cu.m		Sub - Total II				
III.1.1   Cement	III	CONCRETE WORKS				
III.1.2   Sand   16.4   cu.m   32.4   cu.m   42.745.90   kgs   552.83   kgs   III.1.6   Water   20,000.00   ltrs   III.1.7   GI Wire # 16   8   kgs	III.1	Footing (Concrete Vol = 32.8 cu.m)				
III.1.3   Gravel G1   32.4   cu.m   20mm Ø Reinf. Steel Bars Grade 60   2,745.90   kgs   552.83   kgs   552.83   kgs   20,000.00   ltrs   lt	III.1.1	Cement	296	bags		
III.1.4   20mm Ø Reinf. Steel Bars Grade 60   2,745.90   kgs   10mm Ø Reinf. Steel Bars Grade 40   552.83   kgs   20,000.00   ltrs   kgs   ltrs   l			_	cu.m		
III.1.5			_			
III.1.6			,	_		
III.1.7   GI Wire # 16				_		
Sub - Total   III			,			
IV FORMS AND SCAFFOLDINGS 40 sq.m  V GLASS REINFORCED PLASTIC TOWER 1 assy  VI ATON EQUIPMENT  VI.1 Lantern Primary Lantern Primary Lantern 1 pc  VI.2 Solar Panel 12 V Nominal Voltage, 85-150 Watts 6 units  VI.3 Solar Battery 12 V, 156 AmpH, Deep Cycle Valve Regulated Lead Acid Bateries  VI.4 Charge Controler 50 Watts, Auto 12V/24V Rated Voltage  VI.5 Solar wire, Grounding systems, pipes, fittings and other accesories  1 pc  Solar wire, Grounding systems, pipes, fittings and other accesories		Of Whe had	10	Ngo		
V GLASS REINFORCED PLASTIC TOWER 1 assy  VI ATON EQUIPMENT  VI.1 Lantern Primary Lantern 1 pc VI.2 Solar Panel 12 V Nominal Voltage, 85-150 Watts 6 units VI.3 Solar Battery 12 V, 156 AmpH, Deep Cycle Valve Regulated Lead Acid Bateries VI.4 Charge Controler 50 Watts, Auto 12V/24V Rated Voltage 1 pc Solar wire, Grounding systems, pipes, fittings and other accesories  VI.5 In Indiana In Indiana In Indiana		Sub - Total III				
VI. ATON EQUIPMENT  VI.1 Lantern Primary Lantern VI.2 Solar Panel 12 V Nominal Voltage, 85-150 Watts 6 units  VI.3 Solar Battery 12 V, 156 AmpH, Deep Cycle Valve Regulated Lead Acid Bateries VI.4 Charge Controler 50 Watts, Auto 12V/24V Rated Voltage  VI.5 Solar wire, Grounding systems, pipes, fittings and other accesories  1 pc  Solar wire, Grounding systems, pipes, fittings and other accesories	IV	FORMS AND SCAFFOLDINGS	40	sq.m		
VI.1 Lantern Primary Lantern VI.2 Solar Panel 12 V Nominal Voltage, 85-150 Watts 6 units VI.3 Solar Battery 12 V, 156 AmpH, Deep Cycle Valve Regulated Lead Acid Bateries VI.4 Charge Controler 50 Watts, Auto 12V/24V Rated Voltage VI.5 Solar wire, Grounding systems, pipes, fittings and other accesories  1 pc  Solar wire, Grounding systems, pipes, fittings and other accesories	V	GLASS REINFORCED PLASTIC TOWER	1	assy		
Primary Lantern  VI.2 Solar Panel 12 V Nominal Voltage, 85-150 Watts  VI.3 Solar Battery 12 V, 156 AmpH, Deep Cycle Valve Regulated Lead Acid Bateries  VI.4 Charge Controler 50 Watts, Auto 12V/24V Rated Voltage  VI.5 Solar wire, Grounding systems, pipes, fittings and other accesories  1 pc 4 units 6 units 7 Dec 12 D	VI	ATON EQUIPMENT			<del>,</del>	
VI.2 Solar Panel 12 V Nominal Voltage, 85-150 Watts  VI.3 Solar Battery 12 V, 156 AmpH, Deep Cycle Valve Regulated Lead Acid Bateries  VI.4 Charge Controler 50 Watts, Auto 12V/24V Rated Voltage  VI.5 Solar wire, Grounding systems, pipes, fittings and other accesories  1 lot	VI.1					
12 V Nominal Voltage, 85-150 Watts  VI.3  Solar Battery 12 V, 156 AmpH, Deep Cycle Valve Regulated Lead Acid Bateries  VI.4  Charge Controler 50 Watts, Auto 12V/24V Rated Voltage  VI.5  VI.5  Solar wire, Grounding systems, pipes, fittings and other accesories  6 units  6 units  1 lot	\"-		1	рс		
VI.3 Solar Battery 12 V, 156 AmpH, Deep Cycle Valve Regulated Lead Acid Bateries VI.4 Charge Controler 50 Watts, Auto 12V/24V Rated Voltage 1 pc Solar wire, Grounding systems, pipes, fittings and other accesories 1 lot	VI.2		6	unite		
12 V, 156 AmpH, Deep Cycle Valve Regulated Lead Acid Bateries VI.4 Charge Controler 50 Watts, Auto 12V/24V Rated Voltage VI.5 VI.5 VI.5 Units Units pc 1 pc Solar wire, Grounding systems, pipes, fittings and other accesories 1 lot	VI 3		б	uriits		
Regulated Lead Acid Bateries  Charge Controler 50 Watts, Auto 12V/24V Rated Voltage  VI.5  VI.5  Regulated Lead Acid Bateries  Charge Controler 50 Watts, Auto 12V/24V Rated Voltage 1 pc  Solar wire, Grounding systems, pipes, fittings and other accesories 1 lot	V 1.5	I	6	units		
VI.4 Charge Controler 50 Watts, Auto 12V/24V Rated Voltage 1 pc Solar wire, Grounding systems, pipes, fittings and other accesories 1 lot						
VI.5 Solar wire, Grounding systems, pipes, fittings and other accesories	VI.4	Charge Controler				
fittings and other accesories			1	рс		
Tittings and other accesories	VI.5		1	lot		
Sub - Total VI		nittings and other accesories				
		Sub - Total VI				

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT COST (Pesos)	TOTAL COST (Pesos)
VII	TRANSSHIPMENT AND MISCELLANEOUS	;			
VII.1	Transshipment (Hauling of materials & Equipment including manual handling)	1	lot		
VII.2	Provisional Sum for Equipment Spare Parts	1	lot		
	Sub - Total VII				
	GRAND TOTAL COST		₽		

Amount in Words:	
	Date :
Submitted by:	
Name & Signature	
Position	
Name of the Bidder	