



Masagana Agrikultura,
Maunlad na Ekonomiya

Republic of the Philippines

DEPARTMENT OF AGRICULTURE WESTERN VISAYAS

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BILL OF QUANTITIES

Project Title:		ESTABLISHMENT OF MARAPAL SOLAR POWERED IRRIGATION SYSTEM (SPIS)			
Brgy./Mun./Province		Brgy. Marapal, Lamery, Iloilo			
Item No.	Scope of Works	Quantity	Unit	Adjusted Unit Cost	Total
A.	GENERAL ITEM				
1	TEMPORARY FACILITY (RENTAL BASE)	1.00	lot		
2	MOBILIZATION AND DEMOBILIZATION	1.00	lot		
3	OCCUPATIONAL HEALTH AND SAFETY STANDARDS	1.00	lot		
4	PROJECT SIGNBOARD (1-4'x8'), COA BILLBOARD (1-8'x8'), AND PROJECT MARKER	1.00	lot		
B.	SOLAR PUMP/ARRAY/MOUNTING STRUCTURE/PIPIGS				
1	CLEARING, GRUBBING AND LAYOUT	100.00	sq.m.		
2	EXCAVATION	53.00	cu.m.		
3	STRUCTURAL BACKFILL	60.00	cu.m.		
4	LEVELING COURSE	1.00	cu.m.		
5	CONCRETE WORKS (CLASS A)	6.00	cu.m.		
6	REINFORCING STEEL BARS	94.91	kgs		
7	FORMWORKS	5.76	sq.m.		
8	SOLAR POWER MODULE MOUNTING STRUCTURE	1.00	lot		
9	SOLAR POWER MODULE -5500 Wp	1.00	lot		
10	INVERTER AND CONTROLLER 4 Kw WITH ENCLOSURE BOX	1.00	lot		
11	PUMP (SUBMERSIBLE) - 3 Hp	1.00	unit		
12	DISCHARGE PIPE AND FITTINGS	1.00	lot		
C.	CONSTRUCTION OF WELL (10 LM)				
1	CONSTRUCTION OF DEEPWELL (10 LM)	1.00	lot		
D.	ELEVATED TANK & DISTRIBUTION PIPES, FITTINGS, AND OTHER ACCESSORIES				
1	STRUCTURAL EXCAVATION	6.00	cum		
2	STRUCTURAL BACKFILL	3.00	cum		
3	LEVELING COURSE	1.00	cum		
4	FORMWORKS & SCAFFOLDINGS	2.00	sq.m.		
5	CONCRETE WORKS (CLASS A)	9.00	cum		
6	REINFORCING STEEL BARS	170.49	kgs		
7	TANK FRAMES AND SUPPORTS	1.00	lot		
8	PE TANK-2000 l	1.00	lot		
9	MAIN PIPES, LATERAL PIPES AND FITTINGS	1.00	lot		
E.	SOLAR LIGHTS (1000 Wp)	1.00	lot		
		Estimated Project Cost			