



Republic of the Philippines  
DEPARTMENT OF EDUCATION  
DIVISION OF EL SALVADOR CITY  
Tuburan, Poblacion  
El Salvador City



**PROJECT :** ELECTRIFICATION OF SAMBULAWAN ELEMENTARY SCHOOL  
**SCHOOL :** SAMBULAWAN ELEMENTARY SCHOOL  
**LOCATION :** SAMBULAWAN, EL SALVADOR CITY  
**OWNER :** DEPARTMENT OF EDUCATION  
**SUBJECT :** BILL OF QUANTITIES

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	<b>GENERAL REQUIREMENTS</b>							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization / Standard Billboard / Material Testing/other requirements	lot	1.00					
	Permits & Electrical Connection Fee (Local Electric Cooperative)	lot	1.00					
	Hauling Cost	lot	1.00					
	Safety and Health	lot	1.00					
	<b>Sub-total</b>							
I.	<b>TRANSFORMERS</b>							
	Distribution Transformer Pole Type, Conventional 75kva	set	3.00					
	Concrete Pole Spun Type (45) 14M x 500	pc	1.00					
	POLE , CON, SPUN TY, (25) 8M x 200	pc	1.00					
	Transformer and equipment grounding , on wood	pc	1.00					
	Prim Single Down Guy,(Prefd guy grip and Expanded)	pc	2.00					
	Underbuilt Neutral Attach't Dead- end (Grip & Clevis)	pc	1.00					
	Single X'mer , Hanger, Pole -CLP 10"Ø (75-100kVA)	set	1.00					
	Secondary Attachment on 45'-60' Pole Dead- End	set	1.00					
	Primary Single Cross-Arm, 8'	pc	1.00					
	Primary Double Cross-arm, Full -overhang., Dead End	set	1.00					
	Vertical Config., Dead-End , Single Phase	set	1.00					
	Vertical Config., Dead-End , Three Phase, Open-wye	set	1.00					
	Single Phase Primary Line , 20 KV (Double Pin)	set	1.00					
	Wire, ACSR, #2 AWG,Bare	m	344.00					
	Wire,CU, #6 AWG,Solid,WP	m	20.00					
	Wire,CU, #500 MCM AWG, Stranded,TW	m	63.50					
	BOLT, M (5/8X10)	pc	4.00					
	Clamp, H-LINE,PRTD FOR #6-1/0 & #8-1/0, CU -TAP	set	2.00					
	Connector, SVCE., FOR #500MCM CU-AL SPT-BLT TY	set	3.00					
	Connector,Crimpit, for #2-1/0	set	1.00					
	Arresters, DIST CLS., 27kVA, Porcelain	set	2.00					
	CUT-Outs, HT Fuse, 100A,36kV, 170KV BIL	set	2.00					
	Fuselink , 3K	pc	3.00					
	Other assorted line hardwares and accessories	lot	1.00					
	<b>Sub-Total</b>							
	<b>ELECTRICAL WIRINGS UPGRADING</b>							
1.00	<b>Earthworks</b>							
1.02	Structural Excavation	cu.m	23.00					
1.03	Backfilling and Compaction	cu.m	14.00					
1.04	Gravel Bedding G-1	cu.m	2.00					
	<b>Sub-total</b>							
2.00	<b>Concreting Works (3000 psi)</b>							
	<b>Concrete Pedestal and Foundation</b>	cu.m	3.14					
2.01	Portland Cement	bag	29.00					
2.02	Crushed Gravel 3/4"	cu.m	4.00					
2.03	Washed Sand	cu.m	2.00					
	<b>Sub-total</b>							
3.00	<b>Rebar Works</b>							
	<b>Concrete Pedestal and Foundation</b>	kg	654.12					
3.01	Deformed Round Bars, Grade 40	kg	654.12					
3.02	G.I. Tie Wire	kg	23.00					
	<b>Sub-total</b>							
4.00	<b>Formworks</b>	sq.m	15.97					
	<b>Concrete Pedestal and Foundation</b>	sq.m	15.97					
4.01	Coco Lumber	bd.ft	81.60					
4.02	Plywood Ordinary, 1/4" x 4' x 8'	pc	3.00					

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
4.04	CWN, Assorted	kg	2.00					
	<b>Sub-total</b>							
5.00	<b>Masonry Works</b>							
	<b>Plastering</b>	sq.m	0.97					
5.02	Portland Cement	bag	9.00					
5.03	Washed Sand	cu.m	1.00					
	<b>Sub-total</b>							
7.00	<b>Steel Works</b>							
7.47	G.I. Pipe 3"Ø Sch.40	pc	23.00					
7.24	Steel Plate 1.20m x 2.40m x 12mm thk	sq.m	3.00					
7.25	Gusset Plate 1.20m x 2.40m x 10mm thk	sq.m	3.00					
7.33	Anchor Bolt with Nuts and Washer, 16mmØ x 50mm x 300mm	pc	138.00					
7.46	Welding Rod	kg	23.00					
	<b>Sub-total</b>							
10.00	<b>Electrical Works</b>							
	<b>Roughing-ins</b>							
10.01	Secondary rack (4 porcelain)	set	46.00					
	U-bolt w/ nuts, 5/16 x 75mm dia	set	230.00					
	U-bolt w/ nuts, 5/16 x 100mm dia	set	46.00					
	Entrance Cap 100mm dia.	set	2.00					
10.37	Grounding Rod, 2.4m x 19mm dia.	set	1.00					
	RSC 100mmØ	pc	2.00					
	<b>Wires &amp; Fixtures</b>							
10.11	30 mm2 THW Wire, Stranded (Ground wire)	m	450.00					
10.12	200 mm2 THHN Wire, Stranded	m	1,350.00					
10.28	MCCB in NEMA 3R Enclosure 500at, 600af, 3p, 240v, 60hz 65kaic	pc	1.00					
10.58	Electrical Tape	pc	10.00					
	Rubber tape	roll	10.00					
	Solderless connector, 80mm2	pc	23.00					
	Solderless connector, 14mm2	pc	23.00					
	<b>Sub-total</b>							
I.	<b>DIRECT COST</b>							
II.	<b>INDIRECT COST 22% of (I)</b>							
III.	<b>TAX 5% of (I + II)</b>							
IV.	<b>TOTAL CONSTRUCTION COST (I + II + III)</b>							

Prepared:

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Contractor/Authorized Representative