



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



PROJECT : ELECTRIFICATION OF COGON ELEMENTARY SCHOOL
SCHOOL : COGON ELEMENTARY SCHOOL
LOCATION : COGON, 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	
	GENERAL REQUIREMENTS							
	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					
	Sub-total							
I.	TRANSFORMERS							
	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					
	Sub-Total							
	ELECTRICAL WIRINGS UPGRADING							
1.00	Earthworks							
1.02	Structural Excavation	cu.m	25.00					
1.03	Backfilling and Compaction	cu.m	15.00					
1.04	Gravel Bedding G-1	cu.m	2.00					
	Sub-total							
2.00	Concreting Works (3000 psi)							
	Concrete Pedestal and Foundation	cu.m	3.39					
2.01	Portland Cement	bag	31.00					
2.02	Crushed Gravel 3/4"	cu.m	4.00					
2.03	Washed Sand	cu.m	2.00					
	Sub-total							
3.00	Rebar Works							
	Concrete Pedestal and Foundation	kg	711.00					
3.01	Deformed Round Bars, Grade 40	kg	711.00					
3.02	G.I. Tie Wire	kg	25.00					
	Sub-total							
4.00	Formworks	sq.m	15.97					
	Concrete Pedestal and Foundation	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					
	Sub-total							
5.00	Masonry Works							
	Plastering	sq.m	1.05					
5.02	Portland Cement	bag	10.00					
5.03	Washed Sand	cu.m	1.00					
	Sub-total							
7.00	Steel Works							
7.47	G.I. Pipe 3"Ø Sch.40	pc	25.00					
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	150.00					
7.46	Welding Rod	kg	25.00					
	Sub-total							
10.00	Electrical Works							
	Roughing-ins							
10.01	Secondary rack (4 porcelain)	set	50.00					
	U-bolt w/ nuts, 5/16 x 75mm dia	set	250.00					
	U-bolt w/ nuts, 5/16 x 100mm dia	set	50.00					
	Entrance Cap 100mm dia.	set	2.00					
10.37	Grounding Rod, 2.4m x 19mm dia.	set	1.00					
	RSC 100mmØ	pc	2.00					
	Wires & Fixtures							
10.11	30 mm2 THW Wire, Stranded (Ground wire)	m	500.00					
10.12	200 mm2 THHN Wire, Stranded	m	1,500.00					
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	25.00					
	Solderless connector, 14mm2	pc	25.00					
	Sub-total							
I.	DIRECT COST							
II.	INDIRECT COST 22% of (I)							
III.	TAX 5% of (I + II)							
IV.	TOTAL CONSTRUCTION COST (I + II + III)							

Prepared:

Contractor/Authorized Representative