



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



PROJECT : ELECTRIFICATION OF ULALIMAN ELEMENTARY SCHOOL
SCHOOL : ULALIMAN ELEMENTARY SCHOOL
LOCATION : ULALIMAN, 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 | 20.00 | | | | | |
| 1.03 | Backfilling and Compaction | cu.m | 12.00 | | | | | |
| 1.04 | Gravel Bedding G-1 | cu.m | 1.00 | | | | | |
| | Sub-total | | | | | | | |
| 2.00 | Concreting Works (3000 psi) | | | | | | | |
| | Concrete Pedestal and Foundation | cu.m | 2.78 | | | | | |
| 2.01 | Portland Cement | bag | 26.00 | | | | | |
| 2.02 | Crushed Gravel 3/4" | cu.m | 3.00 | | | | | |
| 2.03 | Washed Sand | cu.m | 1.50 | | | | | |
| | Sub-total | | | | | | | |
| 3.00 | Rebar Works | | | | | | | |
| | Concrete Pedestal and Foundation | kg | 568.80 | | | | | |
| 3.01 | Deformed Round Bars, Grade 40 | kg | 568.80 | | | | | |
| 3.02 | G.I. Tie Wire | kg | 20.00 | | | | | |
| | 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 | | | | | |

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|---------|---|------|----------|-----------|-------|------------|-------|-------------|
| | | | | MATERIAL | LABOR | MATERIAL | LABOR | |
| 4.04 | CWN, Assorted | kg | 2.00 | | | | | |
| | Sub-total | | | | | | | |
| 5.00 | Masonry Works | | | | | | | |
| | Plastering | sq.m | 0.84 | | | | | |
| 5.02 | Portland Cement | bag | 8.00 | | | | | |
| 5.03 | Washed Sand | cu.m | 1.00 | | | | | |
| | Sub-total | | | | | | | |
| 7.00 | Steel Works | | | | | | | |
| 7.47 | G.I. Pipe 3"Ø Sch.40 | pc | 20.00 | | | | | |
| 7.24 | Steel Plate 1.20m x 2.40m x 12mm thk | sq.m | 2.00 | | | | | |
| 7.25 | Gusset Plate 1.20m x 2.40m x 10mm thk | sq.m | 2.00 | | | | | |
| 7.33 | Anchor Bolt with Nuts and Washer, 16mmØ x 50mm x 300mm | pc | 120.00 | | | | | |
| 7.46 | Welding Rod | kg | 20.00 | | | | | |
| | Sub-total | | | | | | | |
| 10.00 | Electrical Works | | | | | | | |
| | Roughing-ins | | | | | | | |
| 10.01 | Secondary rack (4 porcelain) | set | 40.00 | | | | | |
| | U-bolt w/ nuts, 5/16 x 75mm dia | set | 200.00 | | | | | |
| | U-bolt w/ nuts, 5/16 x 100mm dia | set | 40.00 | | | | | |
| | 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 | 400.00 | | | | | |
| 10.12 | 200 mm2 THHN Wire, Stranded | m | 1,200.00 | | | | | |
| 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 | 20.00 | | | | | |
| | Solderless connector, 14mm2 | pc | 20.00 | | | | | |
| | 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