Republic of the Philippines
**Department of Education**
Region VII, Central Visayas
SCHOOLS DIVISION OF NEGROS ORIENTAL
Capitol Area, Dumaguete City

**MEMORANDUM**

To : ***District Supervisor/ District-in-Charge of the following districts:***

1. Canlaon District
2. Ayungon District
3. Manjuyod I District
4. Mabinay II District
5. Mabinay III District
6. Mabinay IV District
7. Sibulan North District
8. Dauin District
9. Siaton East District
10. Siaton West I District
11. Siaton West II District
12. Sta. Catalina South District
13. Sta. Catalina North I District
14. Sta. Catalina North II District

From : **LELANIE T. CABRERA, CESE**
OIC - Schools Division Superintendent

Subject : **FURNISHING OF NATIONAL ELECTRIFICATION ADMINISTRATION (NEA) EQUIPMENT AND MATERIAL PRICE INDEX 2015 FOR REFERENCE TO RECIPIENT SCHOOLS OF ELECTRIFICATION OF UN – ENERGIZED ON-GRID SCHOOLS**

Date : September 13, 2016

1. You are hereby requested to furnish all the school heads of recipient schools for the Electrification of Un-Energized On-Grid schools in your respective districts with the National Electrification Administration (NEA) Equipment and Material Price Index 2015 for their reference in pricing of materials for the Program of Works (POW) and Detailed Estimate. Each district office will be furnished a copy of the aforesaid price index.

2. For guidance and strict compliance.

**LELANIE T. CABRERA, CESE**
OIC- Schools Division Superintendent
9/13/16

14 SEP 2016

Sample Only

REPUBLIC OF THE PHILIPPINES
Department of Education
EDUCATION FACILITIES DIVISION
5th Floor Mabini Bldg., DepED Complex, Meralco Avenue, Pasig City

# ELECTRICAL ASSESSMENT SURVEY FORM 2016
## " ELECTRIFICATION OF SCHOOLS ON-GRID PROJECT "

**NAME OF SCHOOL** : MATITANG PRIMARY SCHOOL
**REGION** : III
**DIVISION** : Mabalacat City Division
**MUNICIPALITY** : Mabalacat, Pampanga
**ELECTRIC COOPERATIVE** : PELCO II

**DATE OF VISIT:** July 27, 2016
**INSPECTED BY:** Engr. Cesar S. Bravo
**INSPECTED BY:** Engr. Cristopher Manug
**INSPECTED BY:** Engr. Crisan P. Coronel

**Length of service drop wires from the service entrance to the nearest electric cooperative's distribution pole** : 132 meters
**Student population** : 56
**No. of Academic Buildings** : 1
**No. of Ancillary Buildings** : 1

| | Building Number/Name | | | | | |
|---|---|---|---|---|---|---|
| **I. ACADEMIC BUILDING** | **1** | **2** | **3** | **4** | **5** | **6** |
| Number of Storeys | 1 | | | | | |
| Total Number of Classrooms | 2 | | | | | |
| Classroom Dimension, meter | 9 x 7 | | | | | |
| Are there existing electrical wirings, fixtures & devices connected? (YES or NO) | YES | | | | | |
| Total number of lighting fixtures connected or need to be connected? | 12 | | | | | |
| Total number of convenience outlets connected or need to be connected? | 8 | | | | | |
| Total number of wall/ceiling fans connected or need to be connected | 2 | | | | | |
| Other connected Loads (acu, pumps, etc., specify HP rating and type) | N/A | | | | | |
| Does the building requires: (1) new installation?; (2) repair?; (3) renovation?; (4) rehabilitation?; (5) upgrading? | Upgrading | | | | | |
| **II. ANCILLARY BUILDINGS (Admin Office, Library, Classroom, Toilet, etc.)** | | | | | | |
| Building type | Toilet | | | | | |
| Number of storeys | 1 | | | | | |
| Total number of rooms | N/A | | | | | |
| Are there existing electrical wirings, fixtures & devices connected? (YES or NO) | YES | | | | | |
| Total number of lighting fixtures connected or need to be connected? | 2 | | | | | |
| Total number of convenience outlets connected or need to be connected? | None | | | | | |
| Total number of wall/ceiling fans connected or need to be connected | None | | | | | |
| Other connected Loads (acu, pumps, etc., specify HP rating and type) | None | | | | | |
| Does the building requires: (1) new installation?; (2) repair?; (3) renovation?; (4) rehabilitation?; (5) upgrading? | N/A | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **III. EXISTING ELECTRICAL SYSTEM & INFO** | | | | | | |
| Power supply to the bldg from local electric cooperative (e.g. 230 volts, Single Phase (1Ø), 2-Wires + Ground, 60Hz) | N/A | | | | | |
| Service entrance wiring method? (1) open-wiring?; (2) underground with conduit? or (3) exposed with conduit attached to wall/column?; (4) Others, specify. | N/A | | | | | |
| Size of service entrance wire & grounding electrode wire, please specify? (e.g. 2-8.0 sq.mm/1-5.5 sq.mm) | N/A | | | | | |
| Size of service entrance conduit & type, please specify? (e.g. 25.mm dia. PVC) | N/A | | | | | |
| Size of grounding electrode/ground rod & type, please specify? (e.g. 16mm dia., copper-clad?, steel? Solid copper?) | N/A | | | | | |
| Feeder wiring method? (1) open-wiring?; (2) exposed with conduit attached to wall/column/ceiling?; (3) Others, specify. | 2 | | | | | |
| Size of feeder wire, please specify? (e.g. 2-8.0 sq.mm) | 2-5.5 sq.mm | | | | | |
| Size of feeder conduit & type, please specify? (e.g. 20.mm dia. PVC pipe) | 20mm dia. PVC flexible pipe | | | | | |
| Branch circuit wiring method? (1) conduit or (2) open wiring? | 1 | | | | | |
| Type of protection installed? (1) circuit breaker or (2) fuse? | 1 | | | | | |
| Type of circuit breaker installed? Plug-in or Bolt-on? | Plug-in | | | | | |
| Panelbox main circuit breaker? (e.g. 60AT,2P, 60AT,3P, etc) | 50AT,2P | | | | | |
| Panelbox total number of slots? Specify circuit breakers rating | 4 Slots: 1x50AT,2P Main; and 3x20AT,2P Branches. | | | | | |
| If main protection is safety switch fuse type, specify fuse rating? (e.g. 60A,2PDT) | N/A | | | | | |

**IV. BUILDING(S) ELECTRICAL LAYOUT , please attach.**

**V. SITE ELECTRICAL LAYOUT (Indicate propose power distribution layout and electric poles)**

**VI. ATTACH PHOTO DOCUMENTATION**

**VII. ADDITIONAL FINDINGS & OBSERVATIONS, please specify.**

**NATIONAL ELECTRIFICATION ADMINISTRATION**
"The 1st Performance Governance System-Institutionalized National Government Agency"
57 NIA Road, Government Center, Diliman, Quezon City 1100

June 25, 2015

**MEMORANDUM**

TO : **ALL ELECTRIC COOPERATIVES**

SUBJECT : **EQUIPMENT & MATERIALS PRICE INDEX 2015**

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The National Electrification Administration (NEA) is issuing the Equipment and Materials Price Index 2015 (**empi2015**) in order to reflect the current costs of equipment and materials (E/M) being used by the Electric Cooperatives (ECs). The empi2015 will serve as a tool for NEA in the evaluation of EC projects funded by subsidy or loans, as well as guide for ECs in their procurement process.

We have requested all ECs in Luzon, Visayas and Mindanao to submit their latest E/M bidding results. Sixty three (63) ECs responded: 27 from Luzon, 23 from Visayas and 13 from Mindanao. NEA requested the Philippine Association of Technical Managers of Electric Cooperatives (PHILATMEC) to assist in developing a more comprehensive Price Index for 2015. Consultations with various manufacturers, suppliers, contractors and leadership associations of the ECs were held to ensure wider exchange of information and transparency on the process. Thus, the empi 2015 is the result of the adoption of these multiple processes of consultations.

Prices submitted are inclusive of value added tax, freight and handling and delivered directly to the ECs. Other prices submitted are exclusive of duty tax. For purposes of comparison, duty tax is applied to all items. The highest winning bid except for some outliers had been chosen to be the price index. For other items, the price had been taken from the suggested retail price of various suppliers. Prices of E/M are always dependent on their quality and specifications. In line with our Resiliency Program, there is a need to be specific on the description of E/M being required on the design of the distribution system particularly the poles, distribution transformers, kilowatt-hour meters, substations and other equipment in order to reflect the specific cost of a particular item to be used.

The prices increased by an average of 12% for hardware, 13% for insulators, 5% for conductors, 5% for transformers, 10% for steel poles and 10% for fuses as compared to the 2012 empi. All prices in the new Price Index are rounded off.

For small island coops, same price index for mainland ECs will be used as basis for the Approved Budget for the Contract exclusive of the freight and handling that will be incurred in delivering the items from the nearest mainland to the small island EC.

Attached is the empi2015, consisting of 685 items and substation E/M for your reference. For any query/clarification, please contact the Engineering Department thru telephone number +6329291909 loc.190 or through email address: nea.engineeringtod@yahoo.com

For your information and guidance.

**EDITA S. BUENO**
Administrator

NATIONAL ELECTRIFICATION ADMINISTRATION
OFFICE OF THE ADMINISTRATOR
NEA-OA2-8696
7/3/15

Republic of the Philippines
NATIONAL ELECTRIFICATION ADMINISTRATION
Quezon City

## EQUIPMENT & MATERIAL PRICE INDEX 2015 (empi2015)

| No. | DESCRIPTION | UNIT COST |
|---|---|---|
| | | |
| 1 | Anchor, Expanding, 8 - Ways, Hot Dip Galvanized | 650 |
| 2 | Anchor, Log, Wood 8" X 4' | 727 |
| 3 | Anchor, Log, Concrete, 8" X 4' | 850 |
| 4 | Anchor, Screw Eye Shaft, 3/4" X 8', HDG, Forged | 1,000 |
| 5 | Anchor, Shackle, 3/4", Drop Forged Steel, 69KV | 350 |
| 6 | Attachment, Guy, Malleable Type with 11/16" Hole Diameter | 115 |
| 7 | Bolt, Carriage 3/8" X 4-1/2", Hot Dip Galvanized | 11 |
| 8 | Bolt, Carriage 3/8" X 5", Hot Dip Galvanized | 13 |
| 9 | Bolt, Carriage 3/8" X 6", Hot Dip Galvanized | 14 |
| 10 | Bolt, Clevis 5/8" X 12", Hot Dip Galvanized | 45 |
| 11 | Bolt, Clevis 5/8" X 14", Hot Dip Galvanized | 86 |
| 12 | Bolt, Clevis 5/8" X 16", Hot Dip Galvanized | 90 |
| 13 | Bolt, Clevis 3/4" X 14", Hot Dip Galvanized | 120 |
| 14 | Bolt, Clevis 3/4" X 14", Hot Dip Galvanized | 140 |
| 15 | Bolt, Clevis 3/4" X 16", Hot Dip Galvanized | 150 |
| 16 | Bolt, Double Arming 5/8" X 14", Hot Dip Galvanized | 75 |
| 17 | Bolt, Double Arming 5/8" X 16", Hot Dip Galvanized | 80 |
| 18 | Bolt, Double Arming 5/8" X 18", Hot Dip Galvanized | 85 |
| 19 | Bolt, Double Arming 5/8" X 20", Hot Dip Galvanized | 88 |
| 20 | Bolt, Double Arming 5/8" X 22", Hot Dip Galvanized | 95 |
| 21 | Bolt, Double Arming 5/8" X 24", Hot Dip Galvanized | 100 |
| 22 | Bolt, Double Arming 5/8" X 26", Hot Dip Galvanized | 102 |
| 23 | Bolt, Double Arming 5/8" X 28", Hot Dip Galvanized | 108 |
| 24 | Bolt, Double Arming 5/8" X 30", Hot Dip Galvanized | 118 |
| 25 | Bolt, Double Arming 5/8" X 32", Hot Dip Galvanized | 114 |
| 26 | Bolt, Double Arming 3/4" X 22", Hot Dip Galvanized | 145 |
| 27 | Bolt, Double Arming 3/4" X 24", Hot Dip Galvanized | 160 |
| 28 | Bolt, Double Arming 3/4" X 26", Hot Dip Galvanized | 180 |
| 29 | Bolt, Double Arming 3/4" X 28", Hot Dip Galvanized | 165 |
| 30 | Bolt, Double Arming 3/4" X 30", Hot Dip Galvanized | 170 |
| 31 | Bolt, Double Upset 5/8" X 8", Hot Dip Galvanized, Forged | 88 |
| 32 | Bolt, Double Upset 5/8" X 9", Hot Dip Galvanized, Forged | 80 |
| 33 | Bolt, Double Upset 5/8" X 10", Hot Dip Galvanized, Forged | 102 |
| 34 | Bolt, Double Upset 5/8" X 12", Hot Dip Galvanized, Forged | 108 |
| 35 | Bolt, Double Upset 5/8" X 14", Hot Dip Galvanized, Forged | 114 |
| 36 | Bolt, Double Upset 5/8" X 16", Hot Dip Galvanized, Forged | 116 |
| 37 | Bolt, Double Upset 5/8" X 18", Hot Dip Galvanized, Forged | 120 |
| 38 | Bolt, Machine 1/2" X 2", Hot Dip Galvanized | 11 |
| 39 | Bolt, Machine 1/2" X 4", Hot Dip Galvanized | 17 |
| 40 | Bolt, Machine 1/2" X 6", Hot Dip Galvanized | 21 |
| 41 | Bolt, Machine 1/2" X 8", Hot Dip Galvanized | 24 |
| 42 | Bolt, Machine 1/2" X 10", Hot Dip Galvanized | 31 |
| 43 | Bolt, Machine 1/2" X 12", Hot Dip Galvanized | 36 |
| 44 | Bolt, Machine 1/2" X 14", Hot Dip Galvanized | 46 |
| 45 | Bolt, Machine 1/2" X 16", Hot Dip Galvanized | 48 |
| 46 | Bolt, Machine 3/4" X 6", Hot Dip Galvanized | 38 |
| 47 | Bolt, Machine 3/4" X 8", Hot Dip Galvanized | 45 |
| 48 | Bolt, Machine 3/4" X 10", Hot Dip Galvanized | 70 |
| 49 | Bolt, Machine 3/4" X 12", Hot Dip Galvanized | 80 |
| 50 | Bolt, Machine 3/4" X 14", Hot Dip Galvanized | 95 |
| 51 | Bolt, Machine 3/4" X 16", Hot Dip Galvanized | 102 |
| 52 | Bolt, Machine 3/4" X 18", Hot Dip Galvanized | 110 |
| 53 | Bolt, Machine 3/4" X 20", Hot Dip Galvanized | 112 |
| 54 | Bolt, Machine 3/4" X 22", Hot Dip Galvanized | 114 |
| 55 | Bolt, Machine 5/8" X 2", Hot Dip Galvanized | 17 |
| 56 | Bolt, Machine 5/8" X 4", Hot Dip Galvanized | 19 |
| 57 | Bolt, Machine 5/8" X 6", Hot Dip Galvanized | 22 |
| 58 | Bolt, Machine 5/8" X 8", Hot Dip Galvanized | 34 |
| 59 | Bolt, Machine 5/8" X 8", Hot Dip Galvanized | 35 |
| 60 | Bolt, Machine 5/8" X 8", Hot Dip Galvanized | 37 |
| 61 | Bolt, Machine 5/8" X 10", Hot Dip Galvanized | 42 |
| 62 | Bolt, Machine 5/8" X 12", Hot Dip Galvanized | 45 |
| 63 | Bolt, Machine 5/8" X 14", Hot Dip Galvanized | 52 |
| 64 | Bolt, Machine 5/8" X 16", Hot Dip Galvanized | 60 |

## EQUIPMENT & MATERIAL PRICE INDEX 2015 (empl2015)

| No. | DESCRIPTION | UNIT COST |
|---|---|---|
| 65 | Bolt, Machine 5/8" X 18", Hot Dip Galvanized | 62 |
| 66 | Bolt, Machine 5/8" X 20", Hot Dip Galvanized | 64 |
| 67 | Bolt, Machine 5/8" X 22", Hot Dip Galvanized | 67 |
| 68 | Bolt, Machine 5/8" X 24", Hot Dip Galvanized | 68 |
| 69 | Bolt, Machine 5/8" X 28", Hot Dip Galvanized | 76 |
| 70 | Bolt, Oval Eye 3/4" X 10", Hot Dip Galvanized, Forged | 120 |
| 71 | Bolt, Oval Eye 3/4" X 12", Hot Dip Galvanized, Forged | 130 |
| 72 | Bolt, Oval Eye 3/4" X 14", Hot Dip Galvanized, Forged | 140 |
| 73 | Bolt, Oval Eye 3/4" X 16", Hot Dip Galvanized, Forged | 150 |
| 74 | Bolt, Oval Eye 3/4" X 18", Hot Dip Galvanized, Forged | 155 |
| 75 | Bolt, Oval Eye 3/4" X 28", Hot Dip Galvanized, Forged | 175 |
| 76 | Bolt, oval Eye 3/4" X 22", Hot Dip Galvanized, Forged | 180 |
| 77 | Bolt, Oval Eye 3/4" X 24", Hot Dip Galvanized, Forged | 185 |
| 78 | Bolt, Oval Eye 5/8" X 8", Hot Dip Galvanized, Forged | 65 |
| 79 | Bolt, Oval Eye 5/8" X 6", Hot Dip Galvanized, Forged | 60 |
| 80 | Bolt, Oval Eye 5/8" X 9", Hot Dip Galvanized, Forged | 69 |
| 81 | Bolt, Oval Eye 5/8" X 10", Hot Dip Galvanized, Forged | 68 |
| 82 | Bolt, Oval Eye 5/8" X 12", Hot Dip Galvanized, Forged | 94 |
| 83 | Bolt, Oval Eye 5/8" X 14", Hot Dip Galvanized, Forged | 96 |
| X4 | Bolt, Oval Eye 5/8" X 16", Hot Dip Galvanized, Forged | 190 |
| 85 | Bolt, Oval Eye 5/8" X 15", Hot Dip Galvanized, Forged | 114 |
| 86 | Bolt, Oval Eye 5/8" X 20", Hot Dip Galvanized, Forged | 119 |
| 87 | Bolt, Oval Eye 5/8" X 22", Hot Dip Galvanized, Forged | 117 |
| 88 | Bolt, Shoulder Eye 3/4" X 15", Hot Dip Galvanized, Forged | 180 |
| 89 | Bolt, Shoulder Eye 3/4" X 16", Hot Dip Galvanized, Forged | 178 |
| 90 | Bolt, Shoulder Eye 3/4" X 18", Hot Dip Galvanized, Forged | 185 |
| 91 | Bolt, Shoulder Eye 3/4" X 20", Hot Dip Galvanized, Forged | 190 |
| 92 | Bolt, Single Upset 5/8" X 8", Hot Dip Galvanized, Forged | 81 |
| 93 | Bolt, Single Upset 5/8" X 9", Hot Dip Galvanized, Forged | 84 |
| 94 | Bolt, Single Upset 5/8" X 10", Hot Dip Galvanized, Forged | 90 |
| 95 | Bolt, Single Upset 5/8" X 12", Hot Dip Galvanized, Forged | 91 |
| 96 | Bolt, Single Upset 5/8" X 14", Hot Dip Galvanized, Forged | 92 |
| 97 | Bolt, Single Upset 5/8" X 16", Hot Dip Galvanized, Forged | 104 |
| 98 | Bolt, Single Upset 5/8" X 18", Hot Dip Galvanized, Forged | 106 |
| 99 | Bolt, Thimble Eye 5/8" X 6", Angle Type, HDG, Forged | 90 |
| 100 | Bolt, Thimble Eye 5/8" X 10", Angle Type, HDG, Forged | 94 |
| 101 | Bolt, Thimble Eye 5/8" X 12", Angle Type, HDG, Forged | 95 |
| 102 | Bolt, Thimble Eye 5/8" X 14", Angle Type, HDG, Forged | 97 |
| 103 | Bolt, Thimble Eye 5/8" X 16", Angle Type, HDG, Forged | 100 |
| 104 | Bolt, Thimble Eye 3/4" X 10", Angle Type, HDG, Forged | 135 |
| 105 | Bolt, Thimble Eye 3/4" X 12", Angle Type, HDG, Forged | 140 |
| 106 | Bolt, Thimble Eye 3/4" X 14", Angle Type, HDG, Forged | 150 |
| 107 | Bolt, Thimble Eye 3/4" X 16", Angle Type, HDG, Forged | 155 |
| 108 | Bolt, Thimble Eye 5/8" X 8", Straight Type, HDG, Forged | 73 |
| 109 | Bolt, Thimble Eye 5/8" X 9", Straight Type, HDG, Forged | 74 |
| 110 | Bolt, Thimble Eye 5/8" X 10", Straight Type, HDG, Forged | 86 |
| 111 | Bolt, Thimble Eye 5/8" X 12", Straight Type, HDG, Forged | 94 |
| 112 | Bolt, Thimble Eye 5/8" X 14", Straight Type, HDG, Forged | 97 |
| 113 | Bolt, Thimble Eye 5/8" X 16", Straight Type, HDG, Forged | 98 |
| 114 | Bolt, Thimble Eye 3/4" X 10", Straight Type, HDG, Forged | 120 |
| 115 | Bolt, Thimble Eye 3/8" X 12", Straight Type, HDG, Forged | 129 |
| 116 | Bolt, Thimble Eye 3/4" X 14", Straight Type, HDG, Forged | 138 |
| 117 | Bolt, Thimble Eye 3/4" X 16", Straight Type, HDG, Forged | 145 |
| 118 | Brace Cross-arm, 16" Drop 48" Span | 568 |
| 119 | Brace Cross-arm, 16" Drop 66" Span | 756 |
| 120 | Brace, Alley Arm, 7' Diagonal | 950 |
| 121 | Brace, Alley Arm, 16' | 1,250 |
| 122 | Brace, Angular, 60", Steel, Hot Dip Galvanized | 850 |
| 123 | Brace, Cross-arm, Flat 28", Steel, Hot Dip Galvanized | 185 |
| 124 | Brace, Diagonal, 16', Steel, Hot Dip Galvanized | 1,300 |
| 125 | Brace, Diagonal, 5', Steel, Hot Dip Galvanized | 1,100 |
| 126 | Brace, Sidearm, Diagonal, 7', Steel, Hot Dip Galvanized | 1,000 |
| 127 | Brace, Sidearm, Vertical | 600 |
| 128 | Bracket, Angle, 5/8" | 65 |
| 129 | Bracket, Extension, L type | 720 |
| 130 | Bracket, Clevis Dead-end Without Spool | 89 |
| 131 | Bracket, Mounting for Fuse Cut-Out & Arrester | 900 |
| 132 | Bracket, Mounting Transformer, Cluster Type, Hot Dip Galvanized | 2,400 |
| 133 | Bracket, Mounting Transformer, Single Type, Hot Dip Galvanized | 950 |
| 134 | Bracket, Secondary Without Spool | 162 |
| 135 | Bracket, Transformer | 738 |
| 136 | Bracket, Transformer, Secondary With 1-3/4" Spool | 86 |
| 137 | Capacitor, 50 KVAR | 21,500 |

## EQUIPMENT & MATERIAL PRICE INDEX 2015 (empi2015)

| No. | DESCRIPTION | UNIT COST |
|---|---|---|
| 138 | Capacitor, 75 KVAR | 22,000 |
| 139 | Capacitor, 100 KVAR | 24,400 |
| 140 | Capacitor, 150 KVAR | 28,000 |
| 141 | Capacitor, 200 KVAR | 37,000 |
| 142 | Clamp, Anchor Bonding, Single Eye Rod, 5/8 | 46 |
| 143 | Clamp, Anchor Bonding Twin Eye 3/4" | 85 |
| 144 | Clamp, Dead-end Strain, #4 ACSR | 311 |
| 145 | Clamp, Dead-end Strain, #2 ACSR | 330 |
| 146 | Clamp, Dea5-end Strain, #1/0 ACSR | 343 |
| 147 | Clamp, Dead-end Strain, #2/0 ACSR | 370 |
| 148 | Clamp, Dea5-end Strain, #4/0 ACSR | 576 |
| 149 | Clamp, Dead-end Strain, #336.4 MCM | 1,050 |
| 150 | Clamp, Ground wire, Dead-end, Strain, Clevis Type | 290 |
| 151 | Clamp, Guy Bond | 135 |
| 152 | Clamp, Guy Straight, 3 Bolt, Heavy Duty Steel, Hot Dip Galvanized | 158 |
| 153 | Clamp, Hot Line, #2 - #4/0 ACSR | 425 |
| 154 | Clamp, Loop Dead-end, #6 ACSR | 22 |
| 155 | Clamp, Loop Dea5-end, #4 ACSR | 30 |
| 156 | Clamp, Loop Dead-end, #2 ACSR | 35 |
| 157 | Clamp, Loop Dead-end, #1/0 ACSR | 40 |
| 158 | Clamp, Loop Dead-end, #6 to #2/0 ACSR | 60 |
| 159 | Clamp, Pole Mounting (5-6), Type CA | 240 |
| 160 | Clamp, Pole Mounting (6-7), Type CA | 245 |
| 161 | Clamp, Pole Mounting (7-8), Type CA | 250 |
| 162 | Clamp, Pole Mounting (8-9), Type CA | 285 |
| 163 | Clamp, Pole Mounting (8-10), Type CA | 285 |
| 164 | Clamp, Pole Mounting (10-11), Type CA | 290 |
| 165 | Clamp, Pole Mounting (11-12), Type CA | 300 |
| 166 | Clamp, Pole Mounting (12-13), Type CA | 350 |
| 167 | Clamp, Pole Mounting (14-15), Type CA | 355 |
| 168 | Clamp, Pole Mounting (15-16), Type CA | 420 |
| 169 | Clamp, Pole Mounting (5-6), Type RL | 265 |
| 170 | Clamp, Pole Mounting (6-7), Type RL | 270 |
| 171 | Clamp, Pole Mounting (7-8), Type RL | 275 |
| 172 | Clamp, Pole Mounting (8-9), Type RL | 315 |
| 173 | Clamp, Pole Mounting (9-10), Type RL | 320 |
| 174 | Clamp, Pole Mounting (10-11), Type RL | 330 |
| 175 | Clamp, Pole Mounting (11-12), Type RL | 340 |
| 176 | Clamp, Pole Mounting (12-13), Type RL | 370 |
| 177 | Clamp, Pole Mounting (13-14), Type RL | 400 |
| 178 | Clamp, Pole Mounting (14-15), Type RL | 415 |
| 179 | Clamp, Pole Mounting (15-16), Type RL | 450 |
| 180 | Clamp, Pole, Single Support | 296 |
| 181 | Clamp, Suspension, #4 - #4/0 ACSR | 450 |
| 182 | Clamp, Suspension, #336 MCM | 620 |
| 183 | Clamp, Suspension, 69KV | 800 |
| 184 | Clamp, Suspension, Aluminum Alloy Clevis, 2 Bolts #2/0 ACSR | 382 |
| 185 | Clevis, Ball Y | 450 |
| 186 | Clevis, Secondary Swinging Without Spool, Hot Dip Galvanized | 75 |
| 187 | Clevis, Service, Dead-end Without Spool, Hot Dip Galvanized | 67 |
| 188 | Clevis, Service, Swinging Without Spool, Hot Dip Galvanized | 76 |
| 189 | Clip, Ground wire | 6 |
| 190 | Clip, Guy Wire | 6 |
| 191 | Compression, Sleeve Splice, #2 ACSR | 490 |
| 192 | Compression, Sleeve Splice, #1/0 ACSR | 730 |
| 193 | Compression, Sleeve Splice, #2/0 ACSR | 1,010 |
| 194 | Compression, Sleeve Splice, #3/0 ACSR | 1,045 |
| 195 | Compression, Sleeve Splice, #4/0 ACSR | 1,186 |
| 196 | Compression, Sleeve Splice, #336.4 ACSR | 1,150 |
| 197 | Compression, Sleeve, #4 ACSR , QUI 54 | 55 |
| 198 | Compression, Sleeve, 61/0 ACSR | 20 |
| 199 | Compression, Sleeve, #2/0 ACSR | 25 |
| 200 | Compression, Sleeve, #4/0 ACSR | 40 |
| 201 | Compression, Sleeve, #336.4 ACSR | 190 |
| 202 | Conductor, 25 kV Insulated, 166 mm² ACSR AW/OC-SB 18/1 (Meters) | 200 |
| 203 | Conductor, 26 kv Insulated, 190 mm² ACSR TR/OC-SB 18/1 (Meters) | 220 |
| 204 | Con5uctor, 25 kv Insulated, 58 mm² ACSR AW/OC-SB 6/1 (Meters) | 85 |
| 205 | Conductor, 25 kv Insulated, 58 mm² ACSR TR/OC-SB 6/1 (Meters) | 94 |
| 206 | Con5uctor, 25 kv Insulated, 65 mm² ACSR AW/OC-SB 6/1 (Meters) | 130 |
| 207 | Conductor, 25 kv Insulated, 95 mm² ACSR TR/OC-SB 6/1 (Meters) | 143 |
| 208 | Conductor, 25 kv Insulated, ACSR AW/OC-SB #2/0, AWG 6/1 (Meters) | 98 |
| 209 | Conductor, 25 kv Insulated, ACSR AW/OC-SB #3/0, AWG 6/1 (Meters) | 108 |
| 210 | Conductor, 25 kv Insulated, ACSR AW/OC-SB #4/0, AWG 6/1 (Meters) | 141 |

## EQUIPMENT & MATERIAL PRICE INDEX 2015 (empl2015)

| No. | DESCRIPTION | UNIT COST |
|---|---|---|
| 211 | Conductor, 25 kv Insulated, ACSR AW/OC-SB #336, AWG 18/1 (Meters) | 216 |
| 212 | Conductor, Bare, ACSR #4, AWG 6/1 (Meters) | 18 |
| 213 | Conductor, Bare, ACSR #2, AWG 6/1 (Meters) | 22 |
| 214 | Conductor, Bare, ACSR #1/0, AWG 6/1 (Meters) | 34 |
| 215 | Conductor, Bare, ACSR #2/0, AWG 6/1 (Meters) | 41 |
| 216 | Conductor, Bare, ACSR #3/0, AWG 6/1 (Meters) | 44 |
| 217 | Conductor, Bare, ACSR #4/0, AWG 6/1 (Meters) | 65 |
| 218 | Conductor, Bare, ACSR #336.4, MCM 26/7 STD (Meters) | 108 |
| 219 | Conductor, Bare, Copper #4/0 | 490 |
| 220 | Conductor, Duplex, #6 AWG 6/1 (Meters) | 22 |
| 221 | Conductor, Duplex, #4, AWG 6/1 (Meters) | 26 |
| 222 | Conductor, Duplex, #2 AWG 6/1 (Meters) | 44 |
| 223 | Conductor, Duplex, #1/0 AWG 6/1 (Meters) | 75 |
| 224 | Conductor, Duplex, #2/0 AWG 6/1 (Meters) | 93 |
| 225 | Conductor, Insulated, ACSR #2, AWG 6/1 (Meters) | 40 |
| 226 | Conductor, Insulated, ACSR #1/0, AWG 6/1 (Meters) | 51 |
| 227 | Conductor, Insulated, ACSR #2/0, AWG 6/1 (Meters) | 68 |
| 228 | Connector, Compression, #6 - #4 ACSR Run To #6 - #4 | 28 |
| 229 | Connector, Compression, #2 - #4/0 ACSR Run To #6 - #2 | 81 |
| 230 | Connector, Compression, YHO 100, Run #6 - #2 -Tap #6 - #2 | 28 |
| 231 | Connector, Compression, YHO 125, Run #6 - #1/0 - Tap #6 - #2 | 40 |
| 232 | Connector, Compression, YHO 160, Run #3 - #1/0 -Tap #6- #2 | 45 |
| 233 | Connector, Compression, YHO 200, Run #1/0 - #2/0 - Tap #6 - #2 | 80 |
| 234 | Connector, Compression, YHD 250, Run #1 - #4/0 -Tap #6 - #2 | 82 |
| 235 | Connector, Compression, YHD 300, Run #1/0 - #2/0 - Tap #1/0 - #2/0 | 90 |
| 236 | Connector, Compression, YHO 350, Run #3/0 - #4/0 -Tap #1 - #2/0 | 90 |
| 237 | Connector, Compression, YHD 400, Run #2/0 - #4/0 - Tap #2/0 - #4/0 | 117 |
| 238 | Connector, Ground Rod Clamp, 5/8" | 20 |
| 239 | Connector, Solderless, Copper, #4/0 | 350 |
| 240 | Connector, Solderless, Copper, #336.4 | 800 |
| 241 | Connector, Split Bolt | 142 |
| 242 | Connector, Wedge Type, #8 - #6 ACSR | 85 |
| 243 | Connector, Wedge Type, #8 - #6 ACSR | 95 |
| 244 | Connector, Wedge Type, #3 - #12 ACSR | 125 |
| 245 | Connector, Wedge Type, #6 - #2 ACSR | 190 |
| 246 | Connector, Wedge Type, #2/0 - #6 ACSR | 230 |
| 247 | Connector, Wedge Type, #6 - #2/0 ACSR | 210 |
| 248 | Connector, Wedge Type, #2/0 - #2 ACSR | 210 |
| 249 | Connector, Wedge Type, #1/0 - #2 ACSR | 200 |
| 250 | Connector, Wedge Type, #1/0 - #1/0 ACSR | 270 |
| 251 | Connector, Wedge Type, #1/0 - #2/0 ACSR | 300 |
| 252 | Connector, Wedge Type, #2/0 - #2/0 ACSR | 330 |
| 253 | Connector, Wedge Type, #4/0 - #4/0 ACSR | 350 |
| 254 | Connector, Wedge Type, #2/0 - #4/0 ACSR | 340 |
| 255 | Connector, Wedge Type, #336 - #636 MCM | 580 |
| 256 | Crossarm, Steel, 2" X 4" X 6', Hot Dip Galvanized | 1,200 |
| 257 | Crossarm, Steel, 3" X 4" X 8', Hot Dip Galvanized | 1,450 |
| 258 | Crossarm, Steel, 3" X 4" X 10', Hot Dip Galvanized | 1,750 |
| 259 | Crossarm, Steel, 4-1/2" X 5-1/2" X 8", Hot Dip Galvanized | 3,600 |
| 260 | Crossarm, Steel, 4-1/2" X 5-1/2" X 10", Hot Dip Galvanized | 4,500 |
| 261 | Crossarm, Wood, 3-1/2" X 4-1/2" X 6' | 1,900 |
| 262 | Crossarm, Wood, 3-3/4" X 4-3/4" X 8' | 2,100 |
| 263 | Crossarm, Wood, 3-3/4" X 4-3/4" X 16' | 2,500 |
| 264 | CT, Box, 18"X 14"X 16" | 3,000 |
| 265 | Current Transformer 10/5 : 5, 15KV | 44,000 |
| 266 | Current Transformer 100 : 5, 15KV, Extended Range | 57,600 |
| 267 | Current Transformer 100 : 5, 600V | 5,900 |
| 268 | Current Transformer 100/50 : 5, 15KV | 42,000 |
| 269 | Current Transformer 100/50 : 5, 69KV | 195,000 |
| 270 | Current Transformer 100/75/50 : 5, 15KV | 47,600 |
| 271 | Current Transformer 15 : 5, 15KV | 36,000 |
| 272 | Current Transformer 150 : 5, 15KV | 33,600 |
| 273 | Current Transformer 1500 : 5, 600V, Extended Range | 11,000 |
| 274 | Current Transformer 25 : 5, 15KV | 40,500 |
| 275 | Current Transformer 20/15 : 5, 15KV | 40,000 |
| 276 | Current Transformer 200 : 5, 15KV, Extended Range | 58,600 |
| 277 | Current Transformer 200 : 5, 600V | 6,000 |
| 278 | Current Transformer 200/100/50 : 5A, 69KV | 260,600 |
| 279 | Current Transformer 200:5, 600V | 5,500 |
| 280 | Current Transformer 25 : 5, 15KV | 39,500 |
| 281 | Current Transformer 25 : 5, 15KV | 39,500 |
| 282 | Current Transformer 30 : 5, 15KV, Extended Range | 57,000 |
| 283 | Current Transformer 30/25/15 : 5A, 15KV | 44,000 |

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| No. | DESCRIPTION | UNIT COST |
|---|---|---|
| 284 | Current Transformer 300 : 5, 15KV, Extended Range | 58,000 |
| 285 | Current Transformer 300 : 5, 600V | 6,500 |
| 286 | Current Transformer 300 : 5, 600V | 6,200 |
| 287 | Current Transformer 300 : 5, 600V, Extended Range | 6,900 |
| 288 | Current Transformer 300-250-150 : 5A, 15KV | 47,000 |
| 289 | Current Transformer 40/30/20 : 5A, 15KV | 46,000 |
| 290 | Current Transformer 400 : 5, 15KV, Extended Range | 58,000 |
| 291 | Current Transformer 400/300/200 : 5, 15KV | 47,900 |
| 292 | Current Transformer 50 : 5, 15KV, Extended Range | 57,000 |
| 293 | Current Transformer 50/5 : 5, 15KV | 41,900 |
| 294 | Current Transformer 500/400/300 : 5, 15KV | 46,000 |
| 295 | Current Transformer 600 : 5, 600V | 6,800 |
| 296 | Current Transformer 600 : 5, 69KV | 218,000 |
| 297 | Current Transformer 600/400/200 : 5, 69KV | 260,000 |
| 298 | Current Transformer 75 : 5, 15KV | 39,000 |
| 299 | Current Transformer 900 : 5, 600V, Extended Range | 11,000 |
| 300 | Dead-end Service, Wedge Type, #4 ACSR Conductor (Maximum) | 19 |
| 301 | Eye, Ball | 190 |
| 302 | Fuse Cut-out & Arrester Combination, 15KV, Class 100 | 4,600 |
| 303 | Fuse Cut-out & Arrester Combination, 15KV, Class 200 | 5,600 |
| 304 | Fuse Cut-Out, 15KV, Class 100 | 2,600 |
| 305 | Fuse Cut-Out, 15KV, Class 200 | 3,500 |
| 306 | Fuse Cut-out, 23KV, 100A | 4,000 |
| 307 | Guy, Dead-end Grip, 5/16" | 100 |
| 308 | Guy, Dead-end Grip, 3/8" | 144 |
| 309 | Guy, Truss, 69KV, 24" | 985 |
| 310 | Guy, Truss, 69KV, Heavy Guying | 1,900 |
| 311 | Hook, Ball | 125 |
| 312 | Hook, Guy, Hot Dip Galvanized | 39 |
| 313 | Insulator, Dead-end, Clevis Type, Polymer,15KV | 700 |
| 314 | Insulator, Dead-end, Polymer, 69KV, V- Clevis & Ball | 8,800 |
| 315 | Insulator, Pin Type, 23Kv, 56-1 | 250 |
| 316 | Insulator, Pin Type, 23KV, 56-2 | 350 |
| 317 | Insulator, Pin Type, Polymer, ANSI, Class 56-3 | 500 |
| 318 | Insulator, Pin Type, Polymer, ANSI, Class 56-5 | 600 |
| 319 | Insulator, Pin Type, Porcelain, ANSI, Class 55-3 | 130 |
| 320 | Insulator, Pin Type, Porcelain, ANSI, Class 55-4 | 120 |
| 321 | Insulator, Pin Type, Porcelain, ANSI, Class 55-5 | 160 |
| 322 | Insulator, Pin Type, Porcelain, ANSI, Class 56-1 | 190 |
| 323 | Insulator, Pin Type, Porcelain, ANSI, Class 56-2 | 200 |
| 324 | Insulator, Post Type w/ 7" Stud | 90 |
| 325 | Insulator, Spool, 1-3/8", ANSI, Class 53-1 | 19 |
| 326 | Insulator, Spool, 1-3/4", ANSI, Class 53-2 | 21 |
| 327 | Insulator, Spool, 3", ANSI, Class 53-4 | 37 |
| 328 | Insulator, Suspension, 5", ANSI Class 52-1 | 245 |
| 329 | Insulator, Suspension Socket Type 16" dia., 69KV | 359 |
| 330 | Insulator, Suspension, 4 shed, Polymer,15KV | 650 |
| 331 | Insulator, Suspension, Polymer, 69KV, Y - Clevis & Ball | 3,500 |
| 332 | Lag, Screw, 1/2" X 4" | 16 |
| 333 | Lag, Screw, 1/2" X 6" | 10 |
| 334 | Lightning Arrester, 10 KV, 8.4KV MCOV | 1,600 |
| 335 | Lightning Arrester, 10-12 KV, Polymer | 2,500 |
| 336 | Lightning Arrester, 18KV, 15.3KV MCOV | 2,505 |
| 337 | Lightning Arrester, 9-10 KV , Polymer | 2,600 |
| 338 | Lightning Arrester, 27KV, 22.5KV MCOV | 3,500 |
| 339 | Link, Fuse, Universal, Bottom Head, Type K, 100A | 290 |
| 340 | Link, Fuse, Universal, Bottom Head, Type K, 10A | 135 |
| 341 | Link, Fuse, Universal, Bottom Head, Type K, 12A | 135 |
| 342 | Link, Fuse, Universal, Bottom Head, Type K, 140A | 550 |
| 343 | Link, Fuse, Universal, Bottom Head, Type K, 150A | 460 |
| 344 | Link, Fuse, Universal, Bottom Head, Type K, 15A | 150 |
| 345 | Link, Fuse, Universal, Bottom Head, Type K, 1A | 128 |
| 346 | Link, Fuse, Universal, Bottom Head, Type K, 200A | 780 |
| 347 | Link, Fuse, Universal, Bottom Head, Type K, 25A | 145 |
| 348 | Link, Fuse, Universal, Bottom Head, Type K, 25A | 175 |
| 349 | Link, Fuse, Universal, Bottom Head, Type K, 2A | 145 |
| 350 | Link, Fuse, Universal, Bottom Head, Type K, 30A | 165 |
| 351 | Link, Fuse, Universal, Bottom Head, Type K, 35A | 170 |
| 352 | Link, Fuse, Universal, Bottom Head, Type K, 3A | 135 |
| 353 | Link, Fuse, Universal, Bottom Head, Type K, 40A | 170 |
| 354 | Link, Fuse, Universal, Bottom Head, Type K, 45A | 175 |
| 355 | Link, Fuse, Universal, Bottom Head, Type K, 4A | 130 |
| 356 | Link, Fuse, Universal, Bottom Head, Type K, 50A | 175 |

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| No. | DESCRIPTION | UNIT COST |
|---|---|---|
| 357 | Link, Fuse, Universal, Bottom Head, Type K, 5A | 110 |
| 358 | Link, Fuse, Universal, Bottom Head, Type K, 65A | 200 |
| 359 | Link, Fuse, Universal, Bottom Head, Type K, 65A | 230 |
| 360 | Link, Fuse, Universal, Bottom Head, Type K, 5A | 115 |
| 361 | Link, Fuse, Universal, Bottom Head, Type K, 75A | 235 |
| 362 | Link, Fuse, Universal, Bottom Head, Type K, 7A | 115 |
| 363 | Link, Fuse, Universal, Bottom Head, Type K, 80A | 240 |
| 364 | Link, Fuse, Universal, Bottom Head, Type K, 8A | 120 |
| 365 | Load Break Switch, Vacuum/SF6, 15KV, 630A ( Stand Alone ) | 300,000 |
| 366 | Load Break Switch, Vacuum/SF6, 15KV, 630A ( Remote Control Line Switch ) | 600,000 |
| 367 | Meter Box, 13"X10"X8" | 1,500 |
| 368 | Meter Box, 16"X 14"X 18" | 3,500 |
| 369 | Meter Box, 20"X14"X12" | 3,800 |
| 370 | Meter Box, 24"X27"X12" | 4,000 |
| 371 | Meter, Base Socket CL-100, 6 Jaw | 1,600 |
| 372 | Meter, Base Socket CL-200, 4 Jaw | 1,800 |
| 373 | Meter, Base Socket CL-200, 5 Jaw | 1,600 |
| 374 | Meter, Base Socket CL-200, 7 Jaw | 7,500 |
| 375 | Meter, Base Socket, CL-100, Long Clip | 350 |
| 376 | Meter, KWH, 1 Phase, Class 1, 240V, 10(60)A, Bottom Connected, Electronic | 1,000 |
| 377 | Meter, KWH, 1 Phase, Class 1, 240V, 5(100)A, Bottom Connected, Electronic | 1,500 |
| 378 | Meter, KWH, 1 Phase, Class 1, 240V, 10(100)A, Bottom Connected, Electronic | 1,600 |
| 379 | Meter, KWH, 1 Phase, Class 2, 240V, 5(60)A, Bottom Connected, Electro Mechanical | 650 |
| 380 | Meter, KWH, 1 Phase, Class 2, 240V, 10(60)A, Bottom Connected, Electro Mechanical | 900 |
| 381 | Meter, KWH, 1 Phase, Class 100, 2W, 240V, Form 1S, Socket Type, Electronic | 1,600 |
| 382 | Meter, KWH, 1 Phase, Class 100, 2W, 240V, 60Hz. 15A, Form 1S, Electro Mechanical | 1,200 |
| 383 | Meter, KWH, 1 Phase, Class 20, 240V, 2W, Form 3S, Electronic, Complete w/ TOU and Load Profiling | 17,000 |
| 384 | Meter, KWH, 1 Phase, Class 20, 240V, 2W, Form 3S, Electronic, Demand, KVARH w/ TOU | 8,500 |
| 385 | Meter, KWH, 1 Phase, Class 200, 2W, 240V, 60Hz. 30A, Form 1S, Electro Mechanical | 1,300 |
| 386 | Meter, KWH, 1 Phase, Class 200, 2W, 240V, 60Hz. 30A, Form 1S, Electronic, Demand, KVARH w/ TOU | 8,500 |
| 387 | Meter, KWH, 1 Phase, Class 200, 2W, 240V, Form 1S, Socket Type, Electronic | 1,700 |
| 388 | Meter, KWH, 1 Phase, Class 200, 3W, 240V, Form 2S, Socket Type, Electronic | 1,500 |
| 389 | Meter, KWH, 3 Phase, Class 20, 120/480V, 3W, Form 4S,Electronic, Energy & Demand w/ TOU | 26,000 |
| 390 | Meter, KWH, 3 Phase, Class 20, 120/480V, 4W,Electronic,Demand & Energy w/ TOU | 14,000 |
| 391 | Meter, KWH, 3 Phase, Class 20, 120/4840V, 4W, Form 4SA, Electronic, Demand, KVARH w/ TOU | 13,000 |
| 392 | Meter, KWH, 3 Phase, Class 20, 240V, 3W, Form 4SA, Electronic, Complete w/ TOU & Load Profiling | 36,500 |
| 393 | Meter, KWH, 3 Phase, Class 20, 240V, 3W, Form 9S, Electronic, Demand & Energy | 14,550 |
| 394 | Meter, KWH, 3 Phase, Class 2d, Electronic, Form 5A, 120/480V, Complete w / TOU and Load Profiling | 43,000 |
| 395 | Meter, KWH, 3 Phase, Class 20, Electronic, Form 5A, 120/480V, Demand, KVARH w/ TOU | 12,000 |
| 396 | Meter, KWH, 3 Phase, Class 20, Electronic, 120/480V, 4W, Form 48A Complete w/ TOU & Load Profiling | 46,000 |
| 397 | Meter, KWH, 3 Phase, Class 200, 3W, 120/480V, 30A, Form 12S, Electronic, Energy & Demand w/ TOU. | 18,500 |
| 398 | Meter, KWH, 3 Phase, Class 200, 3W, 240V, 30A, Form 12S, Electronic, Complete with TOU & Load Profiling | 26,000 |
| 399 | Meter, KWH, 3 Phase, Class 200, 3W, 240V, 30A, Form 12S, Electronic, Demand, KVARH and w/ TOU. | 9,500 |
| 400 | Meter, KWH, 3 Phase, Electronic, Form 48A, 120/480V, Electronic, Energy, KVARH, Demand w/ TOU | 28,900 |
| 401 | Nut, Eye, d/8", Conventional, Hot Dip Galvanized | 73 |
| 402 | Nut, Eye, 3/4", Conventional, Hot Dip Galvanized | 85 |
| 403 | Nut, Lock, Mf Type, 3/8" | 6 |
| 404 | Nut, Lock, Mf Type, 1/2" | 9 |
| 405 | Nut, Lock, Mf Type, 5/8" | 9 |
| 406 | Nut, Lock, Mf Type, 3/4" | 9 |
| 407 | Nut, Thimble Eye, 5/8" Single Eye, Hot Dip Galvanized | 76 |
| 408 | Pin, Crossarm, Clamp Type, 1" Thread Dia. Hot Dip Galvanized | 350 |
| 409 | Pin, Crossarm, Long Shank, 1" Thread Dia., 25" long, Hot Dip Galvanized, Forged | 180 |
| 410 | Pin, Crossarm, Long Shank, 1" Tfread Dia. Nylon Thread, 7-7/8"X 5/8" Shank, Hot Dip Galvanized | 275 |
| 411 | Pin, Crossarm, Steel, 5/8" X 16-3/4", Hot Dip Galvanized | 120 |
| 412 | Pin, Crossarm, Steel, 5/8" X 13-3/4", Hot Dip Galvanized | 179 |
| 413 | Pin, Crossarm, Steel, 3/4"x17"x1-3/8", 23KV, Nylon Thread, Hot Dip Galvanized | 255 |
| 414 | Pin, Pole Top, Channel, 1" Thread, 20" Long, Hot Dip Galvanized | 168 |
| 415 | Pin, Pole Top, Channel, 1" Thread, 1 3/8 x 28" Long, Hot Dip Galvanized | 250 |
| 416 | Pin, Pole Top, 1 3/8 X 25", 23KV | 320 |
| 417 | Pin, Steel, 5/8" x 10-3/4" | 98 |
| 418 | Pin, Steel, 1 3/8 x 14", 23KV | 350 |
| 419 | Plate, Guy | 35 |
| 420 | Plate, Pole Grounding, Butt Type, Hot Dip Galvanized | 90 |
| 421 | Plate, Reinforcing, Crossarm, 8" X 8" | 145 |
| 422 | Pole, Concrete, 28', Class 7A, 500 kgs. (Minimum Load Break) | 8,600 |
| 423 | Pole, Concrete, 30', Class 5, 1000 kgs. (Minimum Load Break) | 9,800 |
| 424 | Pole, Concrete, 30', Class 7A, 500 kgs. (Minimum Load Break) | 8,500 |
| 425 | Pole, Concrete, 35', Class 3, 1400 kgs. (Minimum Load Break) | 15,750 |
| 426 | Pole, Concrete, 35', Class 5, 1900 kgs. (Minimum Load Breax) | 12,800 |
| 427 | Pole, Concrete, 35', Class 7A, 500 kgs. (Minimum Load Break) | 16,650 |
| 428 | Pole, Concrete, 40', Class 3, 1400 kgs. (Minimum Load Break) | 16,600 |
| 429 | Pole, Concrete, 40', Class 5, 1600 kgs. (Minimum Load Break) | 15,350 |

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| No. | DESCRIPTION | UNIT COST |
|---|---|---|
| 430 | Pole, Concrete, 40', Class 7A, 500 kgs. (Minimum Load Break) | 12,780 |
| 431 | Pole, Concrete, 45', Class 3, 1400 kgs. (Minimum Load Break) | 20,800 |
| 432 | Pole, Concrete, 45', Class 5, 1000 kgs. (Minimum Load Break) | 18,000 |
| 433 | Pole, Concrete, 50', Class 1, 2400 kgs. (Minimum Load Break) | 31,400 |
| 434 | Pole, Concrete, 50', Class 3, 1600 kgs. (Minimum Load Break) | 29,600 |
| 435 | Pole, Concrete, 50', Class 5, 1000 kgs. (Minimum Load Break) | 26,550 |
| 436 | Pole, Concrete, 55', Class 3, 1600 kgs. (Minimum Load Break) | 34,890 |
| 437 | Pole, Concrete, 55', Class 5, 1000 kgs. (Minimum Load Break) | 32,450 |
| 438 | Pole, Concrete, 60', Class 3, 1600 kgs. (Minimum Load Break) | 38,830 |
| 439 | Pole, Concrete, 60', Class 5, 1000 kgs. (Minimum Load Break) | 34,850 |
| 440 | Pole, Concrete, 65', Class 2, 1800 kgs. (Two Section) (Minimum Load Break) | 65,645 |
| 441 | Pole, Concrete, 65', Class 3, 1600 kgs. (Two Section) (Minimum Load Break) | 63,350 |
| 442 | Pole, Concrete, 70', Class 1, 2000 kgs. (Two Section) (Minimum Load Break) | 112,235 |
| 443 | Pole, Concrete, 75', Class 1, 2000 kgs. (Two Section) (Minimum Load Break) | 120,450 |
| 444 | Pole, Concrete, 80', Class 1, 2000 kgs. (Two Section) (Minimum Load Break) | 131,000 |
| 445 | Pole, Concrete, 90', Class 1, 2000 kgs. (Two Section) (Minimum Load Break) | 173,880 |
| 446 | Pole, Steel, 25', Bare-3.8mm, 86 Micron, 500 kgs (Minimum Load Break) | 7,750 |
| 447 | Pole, Steel, 30', Bare-3.0mm, 86 Micron, 500 kgs (Minimum Load Break) | 11,250 |
| 448 | Pole, Steel, 35', Bare-3.0mm, 86 Micron, 500 kgs (Minimum Load Break) | 14,000 |
| 449 | Pole, Steel, 40', Bare-3.8mm, 86 Micron, 500 kgs (Minimum Load Break) | 19,150 |
| 450 | Pole, Steel, 45', Bare-4.8mm, 86 Micron, 750 kgs (Minimum Load Break) | 30,300 |
| 451 | Pole, Steel, 50', Bare-4.0mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break) | 55,450 |
| 452 | Pole, Steel, 55', Bare-4.0mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break) | 73,200 |
| 453 | Pole, Steel, 60', Bare-4.0mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break) | 63,400 |
| 454 | Pole, Steel, 60', Bare-5.0mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break) | 83,600 |
| 455 | Pole, Steel, 65', Bare-4.0mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break) | 93,600 |
| 456 | Pole, Steel, 65', Bare-5.0mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break) | 130,250 |
| 457 | Pole, Steel, 70', Bare-4.0mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break) | 110,100 |
| 458 | Pole, Steel, 70', Bare-5.0mm (Two Section), 86 Micron, 1300 kgs (Minimum Load Break) | 141,250 |
| 498 | Pole, Steel, 75', Bare-4.0mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break) | 127,200 |
| 460 | Pole, Wood, 25', Australia, Class 3, 1360 kgs (Minimum Breaking Load) | 12,360 |
| 461 | Pole, Wood, 25', US, Class 1, 2040 kgs (Minimum Breaking Load) | 13,100 |
| 462 | Pole, Wood, 25', US, Class 2, 1678 kgs (Minimum Breaking Load) | 12,200 |
| 463 | Pole, Wood, 25', US, Class 3, 1360 kgs (Minimum Breaking Load) | 10,500 |
| 464 | Pole, Wood, 25', US, Class 4, 1088 kgs (Minimum Breaking Load) | 8,500 |
| 465 | Pole, Wood, 25', US, Class 5, 862 kgs (Minimum Breaking Load) | 6,600 |
| 466 | Pole, Wood, 25', US, Class 6, 680 kgs (Minimum Breaking Load) | 6,100 |
| 467 | Pole, Wood, 30', Australia, Class 3, 1360 kgs (Minimum Breaking Load) | 16,100 |
| 468 | Pole, Wood, 30', US, Class 1, 2040 kgs (Minimum Breaking Load) | 16,900 |
| 498 | Pole, Wood, 30', US, Class 2, 1678 kgs (Minimum Breaking Load) | 16,800 |
| 470 | Pole, Wood, 30', US, Class 3, 1360 kgs (Minimum Breaking Load) | 15,500 |
| 471 | Pole, Wood, 30', US, Class 4, 1088 kgs (Minimum Breaking Load) | 13,500 |
| 472 | Pole, Wood, 30', US, Class 5, 862 kgs (Minimum Breaking Load) | 10,800 |
| 473 | Pole, Wood, 30', US, Class 6, 680 kgs (Minimum Breaking Load) | 8,300 |
| 474 | Pole, Wood, 35', Australia, Class 3, 1360 kgs (Minimum Breaking Load) | 23,250 |
| 475 | Pole, Wood, 35', US, Class 3, 1360 kgs (Minimum Breaking Load) | 19,500 |
| 476 | Pole, Wood, 35', US, Class 4, 1088 kgs (Minimum Breaking Load) | 16,200 |
| 477 | Pole, Wood, 35', US, Class 5, 862 kgs (Minimum Breaking Load) | 12,500 |
| 478 | Pole, Wood, 35', US, Class 6, 680 kgs (Minimum Breaking Load) | 9,500 |
| 479 | Pole, Wood, 40', Australia, Class 3, 1360 kgs (Minimum Breaking Load) | 38,900 |
| 480 | Pole, Wood, 40', US, Class 3, 1360 kgs (Minimum Breaking Load) | 23,600 |
| 481 | Pole, Wood, 40', US, Class 4, 1088 kgs (Minimum Breaking Load) | 18,600 |
| 482 | Pole, Wood, 40', US, Class 5, 862 kgs (Minimum Breaking Load) | 17,000 |
| 483 | Pole, Wood, 45', Australia, Class 3, 1360 kgs (Minimum Breaking Load) | 37,300 |
| 484 | Pole, Wood, 45', US, Class 3, 1360 kgs (Minimum Breaking Load) | 25,600 |
| 485 | Pole, Wood, 45', US, Class 4, 1088 kgs (Minimum Breaking Load) | 22,000 |
| 486 | Pole, Wood, 45', US, Class 5, 862 kgs (Minimum Breaking Load) | 31,500 |
| 487 | Pole, Wood, 50', Australia, Class 2, 1678 kgs (Minimum Breaking Load) | 77,850 |
| 488 | Pole, Wood, 50', US, Class 2, 1678 kgs (Minimum Breaking Load) | 65,800 |
| 489 | Pole, Wood, 50', US, Class 3, 1360 kgs (Minimum Breaking Load) | 55,700 |
| 490 | Pole, Wood, 50', US, Class 4, 1088 kgs (Minimum Breaking Load) | 43,000 |
| 491 | Pole, Wood, 50', US, Class 5, 862 kgs (Minimum Breaking Load) | 39,500 |
| 492 | Pole, Wood, 55', Australia, Class 2, 1678 kgs (Minimum Breaking Load) | 88,950 |
| 493 | Pole, Wood, 55', US, Class 2, 1678 kgs (Minimum Breaking Load) | 81,600 |
| 494 | Pole, Wood, 55', US, Class 3, 1360 kgs (Minimum Breaking Load) | 70,200 |
| 495 | Pole, Wood, 55', US, Class 4, 1088 kgs (Minimum Breaking Load) | 50,000 |
| 496 | Pole, Wood, 60', Australia, Class 2, 1678 kgs (Minimum Breaking Load) | 92,450 |
| 497 | Pole, Wood, 60', US, Class 2, 1678 kgs (Minimum Breaking Load) | 98,000 |
| 498 | Pole, Wood, 60', US, Class 3, 1360 kgs (Minimum Breaking Load) | 85,600 |
| 499 | Pole, Wood, 65', Australia, Class 2, 1678 kgs (Minimum Breaking Load) | 85,000 |
| 500 | Pole, Wood, Local, 25', Class 5, 862 kgs (Minimum Load Break) | 7,306 |
| 501 | Pole, Wood, Local, 30', Class 5, 862 kgs (Minimum Load Break) | 11,342 |
| 502 | Pole, Wood, Local, 35', Class 5, 862 kgs (Minimum Load Break) | 12,793 |

## EQUIPMENT & MATERIAL PRICE INDEX 2015 (empi2015)

| No. | DESCRIPTION | UNIT COST |
|---|---|---|
| 503 | Pole, Wood, Local, 40', Class 5, 862 kgs (Minimum Load Break) | 17,491 |
| 504 | Pole, Wood, Local, 45', Class 5, 862 kgs (Minimum Load Break) | 18,387 |
| 505 | Pole, Wood, Local, 50', Class 5, 862 kgs (Minimum Load Break) | 26,843 |
| 506 | Pole, Wood, Local, 55', Class 5, 862 kgs (Minimum Load Break) | 33,197 |
| 507 | Potential Transformer 15KV, 70:1 | 39,135 |
| 508 | Potential Transformer 15KV, 8400/120V, 70:1 | 43,000 |
| 509 | Potential Transformer 69KV, 350:1 | 198,000 |
| 510 | Recloser, Vacuum, 1 Phase, 400A | 400,000 |
| 511 | Recloser, Vacuum, 3 Phase, 630A | 700,000 |
| 512 | Rod, Anchor, Single Eye, 5/8" X 8', Hot Dip Galvanized, Forged | 460 |
| 513 | Rod, Anchor, Single Eye, 3/4" X 8', Hot Dip Galvanized, Forged | 550 |
| 514 | Rod, Anchor, Thimble Eye, 1" X 10', Hot Dip Galvanized, Forged | 620 |
| 515 | Rod, Anchor, Threaded, Double Eye, 1" X 10', Hot Dip Galvanized, Forged | 328 |
| 516 | Rod, Anchor, Threaded, Double Eye, 3/4" X 8', Hot Dip Galvanized, Forged | 560 |
| 517 | Rod, Anchor, Threaded, Double Eye, 3/4" X 9', Hot Dip Galvanized, Forged | 585 |
| 518 | Rod, Anchor, Threaded, Double Eye, 3/4" X 10', Hot Dip Galvanized, Forged | 650 |
| 519 | Rod, Anchor, Threaded, Oval Eye, 3/4" X 8', Hot Dip Galvanized, Forged | 520 |
| 520 | Rod, Anchor, Threaded, Oval Eye, 3/4" X 9', Hot Dip Galvanized, Forged | 570 |
| 521 | Rod, Anchor, Threaded, Oval Eye, 3/4" X 10', Hot Dip Galvanized, Forged | 640 |
| 522 | Rod, Anchor, Threaded, Single Eye, 5/8" X 7', Hot Dip Galvanized, Forged | 322 |
| 523 | Rod, Anchor, Threaded, Single Eye, 3/4" X 8', Hot Dip Galvanized, Forged | 504 |
| 524 | Rod, Anchor, Threaded, Single Eye, 5/8" X 18', Hot Dip Galvanized | 650 |
| 525 | Rod, Armor, Preformed, #1/0 ACSR, Double Support | 360 |
| 526 | Rod, Armor, Preformed, #1/0 ACSR, Single Support | 340 |
| 527 | Rod, Armor, Preformed, #2 ACSR, Double Support | 317 |
| 528 | Rod, Armor, Preformed, #2 ACSR, Single Support | 243 |
| 529 | Rod, Armor, Preformed, #2/0 ACSR, Double Support | 420 |
| 530 | Rod, Armor, Preformed, #2/0 ACSR, Single Support | 350 |
| 531 | Rod, Armor, Preformed, #3/0 ACSR, Single Support | 365 |
| 532 | Rod, Armor, Preformed, #336 MCM, Double Support | 850 |
| 533 | Rod, Armor, Preformed, #336 MCM, Single Support | 856 |
| 534 | Rod, Armor, Preformed, #4/0 ACSR, Single Support | 480 |
| 535 | Rod, Ground Steel, Galvanized, 5/8" X 8', Hot Dip Galvanized | 336 |
| 536 | Rod, Ground Steel, Galvanized, 5/8" X 18', Hot Dip Galvanized | 432 |
| 537 | Rod, Tapping, Preformed, #2 ACSR | 170 |
| 538 | Shackle, Anchor, 5/8", Forged Steel, Hot Dip Galvanized | 288 |
| 539 | Spacer, Pipe, 3/4" X 1-1/2", Hot Dip Galvanized | 6 |
| 540 | Staple, Ground wire, 1/2" X 2" | 128 |
| 541 | Strap, Band-It, Steel, 1/2" | 28 |
| 542 | Switch, Air-break, 15KV | 78,000 |
| 543 | Switch, Disconnecting, 15KV, 200A | 5,500 |
| 544 | Switch, Disconnecting, 15KV, 600A | 10,000 |
| 545 | Switch, Disconnecting, 27KV | 12,000 |
| 546 | Transformer, Pole Type, Conventional, 5 KVA | 36,450 |
| 547 | Transformer, Pole Type, Conventional, 10 KVA | 48,500 |
| 548 | Transformer, Pole Type, Conventional, 15 KVA | 58,600 |
| 549 | Transformer, Pole Type, Conventional, 25 KVA | 75,400 |
| 550 | Transformer, Pole Type, Conventional, 37.5 KVA | 89,450 |
| 551 | Transformer, Pole Type, Conventional, 50 KVA | 106,000 |
| 552 | Transformer, Pole Type, Conventional, 75 KVA | 132,650 |
| 553 | Transformer, Pole Type, Conventional, 100 KVA | 151,350 |
| 554 | Transformer, Pole Type, Conventional, 167 KVA | 215,200 |
| 555 | Transformer, Pole Type, Conventional, Amorphous, 10 KVA | 58,000 |
| 556 | Transformer, Pole Type, Conventional, Amorphous, 15 KVA | 69,000 |
| 557 | Transformer, Pole Type, Conventional, Amorphous, 25 KVA | 83,000 |
| 558 | Transformer, Pole Type, Conventional, Amorphous, 37.5 KVA | 102,500 |
| 559 | Transformer, Pole Type, Conventional, Amorphous, 50 KVA | 119,800 |
| 560 | Transformer, Pole Type, Conventional, Amorphous, 75 KVA | 181,750 |
| 561 | Transformer, Pole Type, Conventional, Amorphous, 100 KVA | 186,000 |
| 562 | Transformer, Pole Type, CSP, 5 KVA | 49,280 |
| 563 | Transformer, Pole Type, CSP, 10 KVA | 53,800 |
| 564 | Transformer, Pole Type, CSP, 15 KVA | 87,600 |
| 565 | Transformer, Pole Type, CSP, 25 KVA | 63,900 |
| 566 | Transformer, Pole Type, CSP, 50 KVA | 116,000 |
| 567 | Washer, Curved, 2-1/2" X 2-1/2" X 3/16" | 12 |
| 568 | Washer, Curved, 3" X 3" X 1/4", 13/16 | 30 |
| 569 | Washer, Curved, 4" X 4" X 1/4" | 45 |
| 570 | Washer, Curved, 4" X 4" X 1/2" | 112 |
| 571 | Washer, Round, 1-3/8" Diameter w/ 9/16" Dia. Hole | 8 |
| 572 | Washer, Round, 11/15" (Washer Round 1-3/4") | 10 |
| 573 | Washer, Square, Curved, 3" X 5" X 5/16" w/ 11/16" Dia. Hole | 20 |
| 574 | Washer, Square, Curved, 4" X 4" X 1/4" w/ 15/16" Dia. Hole | 42 |
| 575 | Washer, Square, Curved, 4" X 4" X 1/2" w/ 7/8" Dia. Hole | 118 |

## EQUIPMENT & MATERIAL PRICE INDEX 2015 (empl2015)

| No. | DESCRIPTION | UNIT COST |
|---|---|---|
| 576 | Washer, Square, Flat, 2-1/4" X 2-1/4" X 3/16" | 14 |
| 577 | Washer, Square, Flat, 4" X 4" X 3/16" | 21 |
| 578 | Washer, Square, Flat, 4" X 4" X 1/2" | 85 |
| 579 | Wire, Grounding, Aluminum Alloy, #4 AWG (Feet) | 6 |
| 580 | Wire, Grounding, Galvanized, 3 Strand, 5/16" Dia. (Feet) | 20 |
| 581 | Wire, Guy, Steel, 5/16", 7 Strand, High Strength (Feet) | 15 |
| 582 | Wire, Guy, Steel, 3/8", 7 Strand, High Strength (Feet) | 20 |
| 583 | Wire, Guy, Steel, 7/16", 7 Strand, High Strength (Feet) | 45 |
| 584 | Wire, Holder, Service, #22 X 2-1/2", Wood Screw | 20 |
| 585 | Wire, Tape, Armor, Aluminum Alloy, 0.5" X 0.3" (Feet) | 6 |
| 586 | Wire, Tie, Aluminum Alloy, Soft, #4 AWG (Feet) | 12 |
| 587 | Wire, Tie, Insulated, #4 mm (Meters) | 55 |
| 588 | 3 Phase Portable Working Standard, KWH Meter & C.T Tester | 1,300,000 |
| 589 | 3 Phase Portable Working Standard and Power Quality Analyzer | 1,600,000 |
| 590 | AC Hipot Tester, 100/120 HVT | 1,500,000 |
| 591 | Auto Portable Oil Tester, 60KV | 650,000 |
| 592 | Automated Insulation Power Factor Test | 1,450,000 |
| 593 | Body Belt Lineman, Size 6-10 | 9,910 |
| 594 | Bolt Cutter 24" | 5,000 |
| 595 | Boom Truck, Digger Derrick, Japan | 8,700,000 |
| 596 | Boom Truck, w/ Bucket and Digger Derrick, USA | 13,000,000 |
| 597 | Chain Hoist, 2 Tons | 18,869 |
| 598 | Chain Saw 19' | 74,000 |
| 599 | Clamp Stick, Hot Tool | 38,100 |
| 600 | Clamp Tester | 20,655 |
| 601 | Climbers, Belt w/ Pole Strap | 12,000 |
| 602 | Climbers Complete Set ( Belt, Spike and Pole Strap) | 36,000 |
| 603 | Come Along, 4/0 ACSR | 10,400 |
| 604 | Come Along, 336 MCM | 26,600 |
| 605 | Crane, 3 tons, Brand New | 2,500,000 |
| 606 | Crane, 5 tons, Brand New | 4,500,000 |
| 607 | CTR, Current Transformer Tester | 400,000 |
| 608 | DC Hi-Pot Test Set | 550,840 |
| 609 | Die-electric Oil Tester | 541,856 |
| 610 | Digital Data Logger | 485,000 |
| 611 | Digital Earth Ground Resistance Tester | 180,000 |
| 612 | Digital Multimeter | 49,137 |
| 613 | Disconnect, Stick, Switch Head, 12' | 14,000 |
| 614 | Dissolved Gas Analyzer | 2,300,000 |
| 615 | DLRO, Low Resistance Tester | 350,000 |
| 616 | Earth Resistance Tester | 111,570 |
| 617 | Electrical Plier 9" | 1,600 |
| 618 | Fault Circuit Indicator | 20,000 |
| 619 | Galvanization Tester | 80,000 |
| 620 | Grounding Cluster, 3 Phase | 130,000 |
| 621 | Hole Digger, 7" | 6,500 |
| 622 | Holster | 2,000 |
| 623 | Hot Stick Telescopic, 35' | 34,000 |
| 624 | Hot Stick, Disconnect Type, 12' | 15,000 |
| 625 | Hydraulic Compression Tool and Die | 105,000 |
| 626 | Hydraulic Wedge Tool | 20,000 |
| 627 | Insulated, Aerial Work Platform, 16 meter, LV 35KV, ELF Type Truck, Japan | 7,500,000 |
| 628 | Insulated, Aerial Work Platform, 16 meter, LV 35KV, Forward Type Truck, Japan | 8,000,000 |
| 629 | Insulation Power Factor Tester, IPF, 12KV | 5,500,000 |
| 630 | Insulation Resistance Tester | 66,225 |
| 631 | Insulation Resistance Tester, 10KV | 285,000 |
| 632 | Insulation Resistance Tester, 15KV | 335,000 |
| 633 | Insulation Resistance Tester, 5KV | 260,000 |
| 634 | Ladder, Fiber Glass, 12' | 8,000 |
| 635 | Ladder, Fiber Glass, 24' | 15,000 |
| 636 | Leather Work Glove, Linemen Size 10 | 350 |
| 637 | Leather Work Glove, Lineman size 9 | 350 |
| 638 | Lineman's Safety Shoes | 2,000 |
| 639 | Load Buster | 16,000 |
| 640 | Load Logger Test Set | 450,000 |
| 641 | Long Nose, Plier, 8" | 1,900 |
| 642 | Manual Compression Tool and Die | 22,500 |
| 643 | Manual, Crimping, Tool | 29,500 |
| 644 | MDP3 Distribution Profiler | 680,000 |
| 645 | Mechanical Compression Tool and Die | 23,600 |
| 646 | Meter Test Set | 448,720 |
| 647 | Pliers, Side Cutting, 8" | 1,608 |
| 648 | Portable Polyphase wattvar meter | 328,000 |

## EQUIPMENT & MATERIAL PRICE INDEX 2015 (empi2015)

| No. | DESCRIPTION | UNIT COST |
|---|---|---|
| 649 | Portable Watthour Meter Test Set | 1,250,000 |
| 650 | Power Quality Analyzer | 550,000 |
| 651 | Protective Relay Test | 1,500,000 |
| 652 | Ratchet, 0.5 Tons | 9,000 |
| 653 | Ratchet , 9.75 Tons | 11,000 |
| 654 | Ratchet, 1.5 Tons | 12,000 |
| 655 | Ratchet, Crimping, Tool | 23,000 |
| 656 | Relay and Current Transformer Tester | 1,490,000 |
| 657 | Rubber Glove, Protectors, 15KV | 6,000 |
| 658 | Rubber Glove, Protectors, 69KV | 18,000 |
| 659 | Safety Belt w/ Strap | 12,000 |
| 660 | Safety Cap | 300 |
| 661 | Safety Strap, Lineman | 3,121 |
| 662 | Secondary Rack w/ Spool Insulator 1 3/4, 3W | 350 |
| 663 | Secondary Rack, 2W | 310 |
| 664 | Secondary Rack, 3W | 450 |
| 665 | Semi Automatic Oil Tester, 60KV | 295,000 |
| 666 | Shotgun, Stick, 12' | 20,000 |
| 667 | Single Phase Relay Tester | 850,506 |
| 668 | Skinning Knife, Klein | 1,200 |
| 669 | Spike w/ Strap | 20,000 |
| 670 | Screw Driver, Flat | 600 |
| 671 | Screw Driver, Phillip | 555 |
| 672 | Switch Stick, Hot Tool | 21,504 |
| 673 | Thermal Scanner, Fluke Ti32 | 380,000 |
| 674 | Thermal Scanner, Fluke Ti400 | 450,000 |
| 675 | Thermal Scanner, Fluke CORFLEX | 800,000 |
| 676 | Thermal Scanner, Ti55FT | 1,100,000 |
| 677 | Transformer Gin | 39,960 |
| 678 | Transformer Loss Tester | 3,000,000 |
| 679 | Transformer Turns Ratio Tester, TTR, Manual | 285,000 |
| 680 | Transformer Turns Ratio Tester, TTR, Digital | 360,000 |
| 681 | Ultra Sound Detector | 1,200,000 |
| 682 | Watthour Meter Test & Calibration System | 3,385,000 |
| 683 | Watthour Meter Test & Calibration System, 19 Position, 1 Phase | 8,000,000 |
| 684 | Wire, Grip, #2 to 4/0 | 15,000 |
| 685 | Wrench Adjustable, 18" | 2,200 |

Republic of the Philippines
**NATIONAL ELECTRIFICATION ADMINISTRATION**
Quezon City

| PRICE INDEX 2015 for SUBSTATION | |
|---|---|
| **MATERIAL DESCRIPTION** | **Unit Cost** |
| **POWER TRANSFORMERS** | |
| Power Transformer, 5/6.25 MVA, OFF-Load, 67/13.2 KV | 7,099,400.00 |
| Power Transformer, 5/6.25 MVA, ON-Load, 67/13.2 KV, | 8,750,000.00 |
| Power Transformer, 10/12.5 MVA, OFF-Load, 67/13.2 KV | 11,700,000.00 |
| Power Transformer, 10/12.5 MVA, OFF-Load, 67/13.2 KV, origin: Europe | 13,500,000.00 |
| Power Transformer, 10/12.5 MVA, ON-Load, 67/13.2 KV | 13,800,000.80 |
| Power Transformer, 15/18.5 MVA, OFF-Load, 67/13.2 KV | 13,500,000.00 |
| Power Transformer, 20/25 MVA, OFF-Load, 67/13.2 KV | 15,800,000.00 |
| Power Transformer, 20/25 MVA, OFF-Load, 67/13.2 KV, origin: Europe | 18,800,000.00 |
| **SUBSTATION STEEL STRUCTURES** | |
| 69 KV Incoming Structures | 800,000.80 |
| Power Circuit Breaker Structures | |
| Potential Transformer Structures | |
| Current Transformer Structures | |
| Post Insulator Structures | |
| Surge Arresters Structures | |
| Disconnect Switch Structures | |
| Battery Racks | |
| Ground Mesh for Disconnect Switch | |
| **69KV PROTECTION AND METERING EQUIPMENT** | |
| Power Circuit Breaker , SF6, Live Tank | 1,600,000.00 |
| Power Circuit Breaker, SF6, Dead Tank, 3BCT's w/ relays | 2,700,000.00 |
| Power Circuit Breaker, SF6, Dead Tank, 6BCT's w/ relays | 3,200,000.00 |
| Current Transformer | 275,000.00 |
| Potential Transformer | 295,008.00 |
| Post Insulator, 350KV BIL | 25,000.00 |
| Surge Arresters, 60KV, 48KV, Class 3 | 55,000.00 |
| Disconnect Switch, Double Side Break type | 500,000.00 |

| PRICE INDEX 2015 for SUBSTATION | |
|---|---|
| **MATERIAL DESCRIPTION** | **Unit Cost** |
| **15KV PROTECTION EQUIPMENT** | |
| Circuit Breeker, Type Tested, Modular, Vacuum GIS, 630A, MVSG with Complete Accessories. | 1,200,000.00 |
| Circuit Breeker, Type Tested, Modular, Vacuum GIS, 1250A, MVSG with Complete Accessories. | 1,400,000.00 |
| Circuit Breeker, Type Tested, Vacuum AIS, 630A, MVSG with Complete Accessories. Draw Out Type | 1,000,000.00 |
| Circuit Breaker, Type Tested, Vacuum AIS, 1250A,MVSG, with Complete Accessories. Draw Out Type | 1,200,000.00 |
| Fused Protection & Metering Cubicle | 800,000.00 |
| Circuit Breaker, Outdoor, Vacuum, Dead Tank, Stand Alone | 2,020,000.00 |
| Vacuum Circuit Recloser, 630A | 700,000.00 |
| Current Transformer, 15KV | 60,000.00 |
| Potential Transformer, 15KV | 72,000.00 |
| Surge Arrester, 12KV, 10KV, Class 3 | 27,000.00 |
| Disconnect Switch, 1200A, Single Pole | 15,000.00 |
| **69KV/15KV METERING,CONTROL AND PROTECTION PANEL** | |
| 69/15KV Protection, Control and Metering Panel with Protection Relays & Meters for 1 incoming & 4 feeders | 1,800,000.00 |
| Accessories: 5 Pcs Multifunction Meter, 1 Differential Relay, Annunciators | |
| Overcurrent & Ground Fault Relays, Multi Function Protective Relay & High Protective Relay, GSM/GPRS Modem, Alarm & w/ Arc Flash Protection | |
| **STATION BATTERY, BATTERY CHARGER** | |
| Battery Bank, 125VDC | 320,000.00 |
| Battery Charger, 125VDC, 30A, Single Phase | 350,000.00 |
| **SERVICE STATION DISTRIBUTION TRANSFORMER** | |
| Distribution Transformer, 1 Phase, 25 KVA | 77,380.00 |
| Concrete Poles, 30 ft. | 10,300.00 |
| Cutout and Arrester Cembination | 4,874.00 |
| Transformer Hanger | 1,500.00 |
| **15KV POWER CABLE AND TERMINATION KIT** | |
| 15KV XLPE Power Cabls, 240 sq.mm ( Meters ) | 2,500.00 |
| 15KV XLPE Power Cable, 95 sq.mm ( Meters ) | 1,000.00 |
| 15KV Outdoor Heat Shrink Termination Kits, sets | 15,000.00 |
| 15KV Outdoor Termination Kits, 240 sq.mm, sets | 14,000.00 |
| 15KV Outdoor Termination Kits, 95 sq.mm, sets | 13,000.00 |

| PRICE INDEX 2015 for SUBSTATION | |
|---|---|
| **MATERIAL DESCRIPTION** | **Unit Cost** |
| **CIVIL AND OTHER ELECTRICAL WORKS** | |
| Construction of Perimeter Fence, 1000 sq. meter | 500,000.00 |
| Equipment Foundation & Take Off Pedestal | 700,000.00 |
| Feeder Takeoff and Incoming 69 Kv Overhead Lines | 700,000.00 |
| Site Development/Grading/Gravelling/Perimeter Lights | 350,000.00 |
| Power House, Control & Switchgear Room | 750,000.00 |
| Wires, Hardware and Accessaries | 200,000.00 |
| Supervision, Installation of Electrical & Metering Equipment | 800,000.00 |
| Complete Grounding System, 300 sq. meter | 700,000.00 |
| Testing and Commissioning | 250,000.0e |