



09 February 2018


**MEMORANDUM**

**T O : ALL ELECTRIC COOPERATIVES (ECs)**  
**SUBJECT : EQUIPMENT AND MATERIALS PRICE INDEX 2018**

The National Electrification Administration (NEA) issued Memorandum No. 2018-007 dated 18 January 2018 to all Electric Cooperatives (ECs) re Equipment and Materials Price Index (empi) 2018 to reflect the current costs of equipment and materials (E/M) being used by the ECs. The empi2018 will also serve as reference/guide of the ECs in their procurement process and NEA's tool in the evaluation of the Sitio Electrification Program (SEP) and Barangay Line Enhancement Program (BLEP) subsidy funded projects and other types of loans.

The aforementioned memorandum shall take effect fifteen (15) days upon filing with the University of the Philippines (UP) Law Center pursuant to the Presidential Memorandum Circular No. 11 dated October 9, 1992.

For your information and guidance.

  
**EDGARDO R. MASONGSONG**  
Administrator

NATIONAL ELECTRIFICATION  
ADMINISTRATION  
Office of the Administrator  
  
NEA-OA249041 *2/12/18*





January 18, 2018

**MEMORANDUM No. 2018-007**

**TO : ALL ELECTRIC COOPERATIVES**

**SUBJECT : EQUIPMENT & MATERIALS PRICE INDEX 2018**

The National Electrification Administration (NEA) is issuing the Equipment and Materials Price Index 2018 (EMPI 2018) in order to reflect the current costs of equipment and materials (EM) being used by the Electric Cooperatives (ECs). The EMPI 2018 will serve as a tool for NEA in the evaluation of EC projects funded by subsidy or loans, as well as a guide for ECs in their procurement process.

We have requested all ECs in Luzon, Visayas and Mindanao to submit their latest EM bidding results. 73 ECs responded: 38 from Luzon, 15 from Visayas and 20 from Mindanao. NEA requested the Philippine Association of Technical Managers of Electric Cooperatives (PHILATMEC) to assist in developing the Price Index for 2018. Consultations with various manufacturers, suppliers, traders, contractors, and EC representatives during fora to provide input in deciding the outcome of the price index. Thus, the EMPI 2018 is the result of the adoption of these multiple process of consultation.

Prices submitted are inclusive of freight and handling, taxes, and delivery to the ECs. Other prices submitted are exclusive of duty tax. For purposes of comparison, duty tax is applied to all items. Other items not included in the submission are considered to be within the existing price index. The highest winning bid except for some outliers had been chosen to be the price index. For other items, the price were taken from the suggested retail price of various suppliers. Prices of EM are based on varying specifications, design, strength, model, quality, made and other differentiating factors. If the submission is consistently low with enough margin from the existing index, the price are retained. In line with our Resiliency Program for the ECs, there is a need to be specific on the description of EM 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. New items were introduced like insulated cables or tree wires, 23kV EM, etc.


Some prices increased by an average of e.g., 9.23% for steel poles, 25.63% for wood poles, 14.74% for concrete poles, 22.09% for conductors, and 3.61% for pole transformers as compared to the EMPI 2015. All prices are rounded off to the nearest peso value.

In coming up with the Approved Budget Cost, the EMPI 2018 will be used for mainland ECs and delivered to the EC headquarter. For small island coops and remote areas, the same price index for mainland ECs will be used exclusive of the freight and handling that will be incurred in delivering the items from the nearest mainland up to the point of destination.

For transparency of costing and of the procurement process, the ECs shall require the suppliers to segregate their bid offer into two (2) reflecting the (1) price of each EM and (2) freight and handling of the lot.

Attached is the EMPI 2018, consisting of 801 items and substation EM 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](mailto:nea.engineeringtod@yahoo.com)

For your information and guidance.

  
**EDGARDO R. MASONGSONG**  
 Administrator


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*2/1/18*

(02) 929-1909  
[www.nea.gov.ph](http://www.nea.gov.ph)

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## NEA Equipment and Material Price Index 2018

No.	DESCRIPTION	2018 NEA PRICE INDEX
1	Anchor, Expanding, 8 - Ways, Hot Dip Galvanized	700
2	Anchor, Log, Wood 8" X 4'	1,200
3	Anchor, Log, Concrete, 8" X 4'	1,000
4	Anchor, Screw Eye Shaft, 3/4" X 8', HDG, Forged	1,200
5	Anchor, Shackle, 3/4", Drop Forged Steel, 69KV	350
6	Attachment, Guy, Malleable Type with 11/16" Hole Diameter	150
7	Bolt, Carriage 3/8" X 4-1/2", Hot Dip Galvanized	12
8	Bolt, Carriage 3/8" X 5", Hot Dip Galvanized	14
9	Bolt, Carriage 3/8" X 6", Hot Dip Galvanized	15
10	Bolt, Clevis 5/8" X 12", Hot Dip Galvanized	50
11	Bolt, Clevis 5/8" X 14", Hot Dip Galvanized	90
12	Bolt, Clevis 5/8" X 16", Hot Dip Galvanized	95
13	Bolt, Clevis 3/4" X 14", Hot Dip Galvanized	130
14	Bolt, Clevis 3/4" X 16", Hot Dip Galvanized	150
15	Bolt, Clevis 3/4" X 18", Hot Dip Galvanized	155
16	Bolt, Double Arming 5/8" X 14", Hot Dip Galvanized	80
17	Bolt, Double Arming 5/8" X 16", Hot Dip Galvanized	85
18	Bolt, Double Arming 5/8" X 18", Hot Dip Galvanized	88
19	Bolt, Double Arming 5/8" X 20", Hot Dip Galvanized	90
20	Bolt, Double Arming 5/8" X 22", Hot Dip Galvanized	100
21	Bolt, Double Arming 5/8" X 24", Hot Dip Galvanized	103
22	Bolt, Double Arming 5/8" X 26", Hot Dip Galvanized	105
23	Bolt, Double Arming 5/8" X 28", Hot Dip Galvanized	115
24	Bolt, Double Arming 5/8" X 30", Hot Dip Galvanized	116
25	Bolt, Double Arming 5/8" X 32", Hot Dip Galvanized	118
26	Bolt, Double Arming 3/4" X 22", Hot Dip Galvanized	150
27	Bolt, Double Arming 3/4" X 24", Hot Dip Galvanized	150
28	Bolt, Double Arming 3/4" X 26", Hot Dip Galvanized	165
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	95
32	Bolt, Double Upset 5/8" X 9", Hot Dip Galvanized, Forged	90
33	Bolt, Double Upset 5/8" X 10", Hot Dip Galvanized, Forged	110
34	Bolt, Double Upset 5/8" X 12", Hot Dip Galvanized, Forged	110
35	Bolt, Double Upset 5/8" X 14", Hot Dip Galvanized, Forged	120
36	Bolt, Double Upset 5/8" X 16", Hot Dip Galvanized, Forged	120
37	Bolt, Double Upset 5/8" X 18", Hot Dip Galvanized, Forged	125
38	Bolt, Machine 1/2" X 2", Hot Dip Galvanized	15
39	Bolt, Machine 1/2" X 4", Hot Dip Galvanized	18

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## NEA Equipment and Material Price Index 2018

No.	DESCRIPTION	2018 NEA PRICE INDEX
40	Bolt, Machine 1/2" X 6", Hot Dip Galvanized	25
41	Bolt, Machine 1/2" X 8", Hot Dip Galvanized	27
42	Bolt, Machine 1/2" X 10", Hot Dip Galvanized	34
43	Bolt, Machine 1/2- X 12", Hot Dip Galvanized	39
44	Bolt, Machine 1/2" X 14", Hot Dip Galvanized	49
45	Bolt, Machine 1/2" X 16", Hot Dip Galvanized	51
46	Bolt, Machine 3/4" X 6", Hot Dip Galvanized	38
47	Bolt, Machine 3/4" X 8", Hot Dip Galvanized	46
48	Bolt, Machine 3/4" X 10", Hot Dip Galvanized	76
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	19
56	Bolt, Machine 5/8" X 4", Hot Dip Galvanized	21
57	Bolt, Machine 5/8" X 5", Hot Dip Galvanized	26
58	Bolt, Machine 5/8" X 6", Hot Dip Galvanized	35
59	Bolt, Machine 5/8" X 8", Hot Dip Galvanized	37
60	Bolt, Machine 5/8" X 9", Hot Dip Galvanized	39
61	Bolt, Machine 5/8" X 10", Hot Dip Galvanized	44
62	Bolt, Machine 5/8" X 12", Hot Dip Galvanized	50
63	Bolt, Machine 5/8" X 14", Hot Dip Galvanized	55
64	Bolt, Machine 5/8" X 16", Hot Dip Galvanized	62
65	Bolt, Machine 5/8" X 18", Hot Dip Galvanized	64
66	Bolt, Machine 5/8" X 20", Hot Dip Galvanized	67
67	Bolt, Machine 5/8" X 22", Hot Dip Galvanized	68
68	Bolt, Machine 5/8" X 24", Hot Dip Galvanized	75
69	Bolt, Machine 5/8" X 26", Hot Dip Galvanized	80
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	132
72	Bolt, Oval Eye 3/4" X 14", Hot Dip Galvanized, Forged	142
73	Bolt, Oval Eye 3/4" X 16", Hot Dip Galvanized, Forged	152
74	Bolt, Oval Eye 3/4" X 18", Hot Dip Galvanized, Forged	155
75	Bolt, Oval Eye 3/4" X 20", 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 6", Hot Dip Galvanized, Forged	68

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## NEA Equipment and Material Price Index 2018

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79	Bolt, Oval Eye 5/8" X 8", Hot Dip Galvanized, Forged	85
80	Bolt, Oval Eye 5/8" X 9", Hot Dip Galvanized, Forged	90
81	Bolt, Oval Eye 5/8" X 10", Hot Dip Galvanized, Forged	93
82	Bolt, Oval Eye 5/8" X 12", Hot Dip Galvanized, Forged	96
83	Bolt, Oval Eye 5/8" X 14", Hot Dip Galvanized, Forged	98
84	Bolt, Oval Eye 5/8" X 16", Hot Dip Galvanized, Forged	102
85	Bolt, Oval Eye 5/8" X 18", Hot Dip Galvanized, Forged	120
86	Bolt, Oval Eye 5/8" X 20", Hot Dip Galvanized, Forged	126
87	Bolt, Oval Eye 5/8" X 22", Hot Dip Galvanized, Forged	128
88	Bolt, Shoulder Eye 3/4" X 14", Hot Dip Galvanized, Forged	160
89	Bolt, Shoulder Eye 3/4" X 16", Hot Dip Galvanized, Forged	179
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	86
93	Bolt, Single Upset 5/8" X 9", Hot Dip Galvanized, Forged	89
94	Bolt, Single Upset 5/8" X 10", Hot Dip Galvanized, Forged	95
95	Bolt, Single Upset 5/8" X 12", Hot Dip Galvanized, Forged	96
96	Bolt, Single Upset 5/8" X 14", Hot Dip Galvanized, Forged	97
97	Bolt, Single Upset 5/8" X 18", Hot Dip Galvanized, Forged	106
98	Bolt, Single Upset 5/8" X 18", Hot Dip Galvanized, Forged	107
99	Bolt, Thimble Eye 5/8" X 8", 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	75
109	Bolt, Thimble Eye 5/8" X 9", Straight Type, HDG, Forged	76
110	Bolt, Thimble Eye 5/8" X 10", Straight Type, HDG, Forged	87
111	Bolt, Thimble Eye 5/8" X 12", Straight Type, HDG, Forged	96
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 3/4" 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	150

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No.	DESCRIPTION	2018 NEA PRICE INDEX
118	Brace, Cross-arm, 18" Drop 48" Span	560
119	Brace, Cross-arm, 18" Drop 60" Span	780
120	Brace, Alley Arm, 7' Diagonal	1,050
121	Brace, Alley Arm, 10'	1,400
122	Brace, Angular, 60", Steel, Hot Dip Galvanized	850
123	Brace, Cross-arm, Flat 28", Steel, Hot Dip Galvanized	135
124	Brace, Diagonal, 10', Steel, Hot Dip Galvanized	1,500
125	Brace, Diagonal, 8', Steel, Hot Dip Galvanized	1,250
126	Brace, Sidearm, Diagonal, 7', Steel, Hot Dip Galvanized	1,200
127	Brace, Sidearm, Vertical	850
128	Bracket, Angle, 5/8"	110
129	Bracket, Extension, L type	720
130	Bracket, Clevis Dead-end Without Spool	110
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	850
134	Bracket, Secondary Without Spool	115
135	Bracket, Transformer	750
136	Bracket, Transformer, Secondary With 1-3/4" Spool	115
137	Capacitor, 25 KVAR	15,000
138	Capacitor, 50 KVAR	24,000
139	Capacitor, 75 KVAR	25,000
140	Capacitor, 100 KVAR	27,000
141	Capacitor, 150 KVAR	29,500
142	Capacitor, 200 KVAR	37,000
143	Clamp, Anchor Bonding. Single Eye Rod, 5/8"	50
144	Clamp, Anchor Bonding Twin Eye 3/4"	75
145	Clamp, Dead-end Strain, #4 ACSR	325
146	Clamp, Dead-end Strain, #2 ACSR	335
147	Clamp, Dead-end Strain, #1/0 ACSR	350
148	Clamp, Dead-end Strain, #2/0 ACSR	390
149	Clamp, Dead-end Strain, #4/0 ACSR	570
150	Clamp, Dead-end Strain, #336.4 MCM	1,150
151	Clamp, Ground wire, Dead-end, Strain, Clevis Type	350
152	Clamp, Guy Bond	135
153	Clamp, Guy Straight, 3 Bolt, Heavy Duty Steel, Hot Dip Galvanized	180
154	Clamp, Hot Line, #2 - #4/0 ACSR	475
155	Clamp, Loop Dead-end, #6 ACSR	35
156	Clamp, Loop Dead-end, #4 ACSR	35

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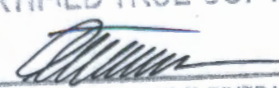
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No.	DESCRIPTION	2018 NEA PRICE INDEX
157	Clamp, Loop Dead-end, #2 ACSR	50
158	Clamp, Loop Dead-end, #1/0 ACSR	55
159	Clamp, Loop Dead-end, #6 to #2/0 ACSR	70
160	Clamp, Pole Mounting (5-6), Type CA	245
161	Clamp, Pole Mounting (6-7), Type CA	250
162	Clamp, Pole Mounting (7-8), Type CA	255
163	Clamp, Pole Mounting (8-9), Type CA	290
164	Clamp, Pole Mounting (9-10), Type CA	295
165	Clamp, Pole Mounting (10-11), Type CA	300
166	Clamp, Pole Mounting (11-12), Type CA	315
167	Clamp, Pole Mounting (12-13), Type CA	355
168	Clamp, Pole Mounting (14-15), Type CA	360
169	Clamp, Pole Mounting (15-16), Type CA	425
170	Clamp, Pole Mounting (5-6), Type RL	265
171	Clamp, Pole Mounting (6-7), Type RL	270
172	Clamp, Pole Mounting (7-8), Type RL	275
173	Clamp, Pole Mounting (8-9), Type RL	310
174	Clamp, Pole Mounting (9-10), Type RL	320
175	Clamp, Pole Mounting (10-11), Type RL	330
176	Clamp, Pole Mounting (11-12), Type RL	340
177	Clamp, Pole Mounting (12-13), Type RL	370
178	Clamp, Pole Mounting (13-14), Type RL	400
179	Clamp, Pole Mounting (14-15), Type RL	410
180	Clamp, Pole Mounting (15-16), Type RL	450
181	Clamp, Pole, Single Support	305
182	Clamp, Suspension, #4 - #4/0 ACSR	460
183	Clamp, Suspension, #336 MCM	620
184	Clamp, Suspension, 69KV	800
185	Clamp, Suspension, Aluminum Alloy Clevis, 2 Bolts #2/0 ACSR	405
186	Clevis, Ball Y	460
187	Clevis, Secondary Swinging Without Spool, Hot Dip Galvanized	77
188	Clevis, Service, Dead-end Without Spool, Hot Dip Galvanized	70
189	Clevis, Service, Swinging Without Spool, Hot Dip Galvanized	72
190	Clip, Ground wire	10
191	Clip, Guy Wire	12
192	Compression, Sleeve Splice, #2 ACSR	500
193	Compression, Sleeve Splice, #1/0 ACSR	760
194	Compression, Sleeve Splice, #2/0 ACSR	1,050
195	Compression, Sleeve Splice, #3/0 ACSR	1,100

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No.	DESCRIPTION	2018 NEA PRICE INDEX
196	Compression, Sleeve Splice, #4/0 ACSR	1,150
197	Compression, Sleeve Splice, #336.4 ACSR	1,200
198	Compression, Sleeve, #4 ACSR	55
199	Compression, Sleeve, #1/0 ACSR	20
200	Compression, Sleeve, #2/0 ACSR	25
201	Compression, Sleeve, #4/0 ACSR	40
202	Compression, Sleeve, #336.4 ACSR	190
203	Conductor, 15 kv, Insulated, Tree Wire, HDPE, Non-Shielded, ACSR, #4/0 AWG 6/1 (Meters)	180
204	Conductor, 25 kv, Insulated, Tree Wire, Non- Shielded HDPE/XLPE ACSR, AWG #1/0 (Meters)	165
205	Conductor, 25 kv, Insulated, Tree Wire, Non- Shielded HDPE/XLPE ACSR, AWG #2/0 (Meters)	185
206	Conductor, 25 kv Insulated, Tree Wire, ACSR/AW - TR/OC-SB #4, AWG 6/1 (Meters)	60
207	Conductor, 25 kv Insulated, Tree Wire, ACSR/AW - TR/OC-SB #2, AWG 6/1 (Meters)	98
208	Conductor, 25 kv Insulated, Tree Wire, ACSR/AW - TR/OC -SB #1/0, AWG 6/1 (Meters)	120
209	Conductor, 25 kv Insulated, Tree Wire, ACSR/AW - TR/OC-SB #2/0, AWG 6/1 (Meters)	140
210	Conductor, 25 kv Insulated, Tree Wire, ACSR/AW - TR/OC-SB #3/0, AWG 6/1 (Meters)	185
211	Conductor, 25 kv Insulated, Tree Wire, ACSR/AW - TR/OC -SS #4/0, AWG 6/1 (Meters)	210
212	Conductor, 25 kv Insulated, Tree Wire, ACSR/AW - TR/OC -SB #336, AWG 18/1 (Meters)	250
213	Conductor, 25 kv Insulated, Tree Wire, ACSR/AW - TR/OC-SB , 58mm <sup>2</sup> (Meters)	112
214	Conductor, 25 kv Insulated, Tree Wire, ACSR/AW - TR/OC-SB , 95mm <sup>2</sup> , (Meters)	184
215	Conductor, 25 kv Insulated, Tree Wire, ACSR/AW - TR/OC -SB , 160mm <sup>2</sup> (Meters)	262
216	Conductor, 25 kv Insulated, Tree Wire, ACSR/AW - TR/OC -SB , 240mm <sup>2</sup> (Meters)	360
217	Conductor, Bare, ACSR #4, AWG 6/1 (Meters)	23
218	Conductor, Bare, ACSR #2, AWG 6/1 (Meters)	28
219	Conductor, Bare, ACSR #1/0, AWG 6/1 (Meters)	43
220	Conductor, Bare, ACSR #2/0, AWG 6/1 (Meters)	52
221	Conductor, Bare, ACSR #3/0, AWG 6/1 (Meters)	55
222	Conductor, Bare, ACSR #4/0, AWG 6/1 (Meters)	75
223	Conductor, Bare, ACSR #336.4, MCM 26/7 STD (Meters)	115
224	Conductor, Bare, Copper #4/0	530
225	Conductor, Duplex, #6 AWG 6/1 (Meters)	24
226	Conductor, Duplex, #4, AWG 6/1 (Meters)	32
227	Conductor, Duplex, #2 AWG 6/1 (Meters)	51
228	Conductor, Duplex, #1/0 AWG 6/1 (Meters)	85
229	Conductor, Duplex, #2/0 AWG 6/1 (Meters)	99
230	Conductor, Insulated, ACSR #2, AWG 6/1 (Meters)	46
231	Conductor, Insulated, ACSR #1/0, AWG 6/1 (Meters)	58
232	Conductor, Insulated, ACSR #2/0, AWG 6/1 (Meters)	65
233	Connector, Compression, #6 - #4 ACSR Run To 06 - #4	30
234	Connector, Compression, #2 - #4/0 ACSR Run To #6 - #2	83

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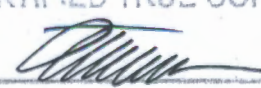
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No.	DESCRIPTION	2018 NEA PRICE INDEX
235	Connector, Compression, YHO 100, Run #6 - #2 -Tap #6 - #2	33
236	Connector, Compression, YHO 125, Run #6 - #110 - Tap #6 - #2	43
237	Connector, Compression, YHO 150, Run #3 - #1/0 -Tap #6- #2	50
238	Connector, Compression, YHD 200, Run #1/0 -#2/0 - Tap #6 - #2	82
239	Connector, Compression, YHD 250, Run #1 - #4/0 -Tap #6 - #2	87
240	Connector, Compression, YHD 300, Run #1/0 - #2/0 - Tap #1/0 - #2/0	95
241	Connector, Compression, YHD 350, Run #3/0 - #4/0 -Tap #1 -#2/0	95
242	Connector, Compression, YHD 400, Run #2/0 - #4/0 - Tap #2/0 - #410	122
243	Connector, Ground Rod Clamp, 5/8"	25
244	Connector, Solderless, Copper, #4/0	380
245	Connector, Solderless, Copper, #336.4	600
246	Connector, Split Bolt	180
247	Connector, Wedge Type, #6 - #6 ACSR	95
248	Connector, Wedge Type, #6 - #8 ACSR	95
249	Connector, Wedge Type, #6 - #12 ACSR	125
250	Connector, Wedge Type, #6 - #2 ACSR	150
251	Connector, Wedge Type, #2/0 - #6 ACSR	230
252	Connector, Wedge Type, #2 - #710 ACSR	210
253	Connector, Wedge Type, #2/0 - #2 ACSR	215
254	Connector, Wedge Type, #1/0 - #2 ACSR	225
255	Connector, Wedge Type, #1/0 - #1/0 ACSR	400
256	Connector, Wedge Type, #1/0 - #2/0 ACSR	410
257	Connector, Wedge Type, #2/0 - #2/0 ACSR	380
258	Connector, Wedge Type, #4/0 - #4/0 ACSR	450
259	Connector, Wedge Type, #2/0 - #4/0 ACSR	554
260	Connector, Wedge Type, #336 - #336 MCM	1,000
261	Crossarm, Steel, 3" X 4" X 6', Hot Dip Galvanized	1,200
262	Crossarm, Steel, 3" X 4" X 8', Hot Dip Galvanized	1,600
263	Crossarm, Steel, 3" X 4" X 10', Hot Dip Galvanized	1,850
264	Crossarm, Steel, 4-1/2" X 5-1/2" X 8', Hot Dip Galvanized	3,600
265	Crossarm, Steel, 4-1/2" X 5-1/2" X 10', Hot Dip Galvanized	4,500
266	Crossarm, Wood, 3-1/2" X 4-1/2" X 8'	2,000
267	Crossarm, Wood, 3-3/4" X 4-3/4" X 8'	2,200
268	Crossarm, Wood, 3-3/4" X 4-3/4" X 10'	2,900
269	CT, Box, 10"X 14"X 18"	3,000
270	Current Transformer 10/5 : 5, 15KV	46,000
271	Current Transformer 100 : 5, 15KV, Extended Range Current	59,000
272	Current Transformer 100 : 5, 600V	6,800
273	Current Transformer 100/50: 5, 15KV	42,000

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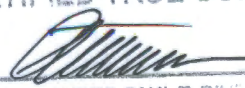
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No.	DESCRIPTION	2018 NEA PRICE INDEX
274	Current Transformer 100/50 : 5, 69KV	250,000
275	Current Transformer 100/75/50 : 5, 15KV	47,000
276	Current Transformer 15 : 5, 15KV	36,000
277	Current Transformer 150 : 5, 15KV	35,000
278	Current Transformer 1500 : 5, 600V, Extended Range Current	11,000
279	Current Transformer 20 : 5, 15KV	46,000
280	Current Transformer 20/15/10 : 5, 15KV	46,000
281	Current Transformer 30/15/10 : 5, 15KV	46,000
282	Current Transformer 100 : 5, 15KV, Extended Range Current	59,000
283	Current Transformer 200 : 5, 15KV, Extended Range Current	59,000
284	Current Transformer 200 : 5, 600V	7,000
285	Current Transformer 200/100/50 : 5, 69KV	250,000
286	Current Transformer 200:5, 600V	6,000
287	Current Transformer 25 : 5, 15KV	39,500
288	Current Transformer 30 : 5, 15KV, Extended Range Current	59,000
289	Current Transformer 30/25/15 : 5, 15KV	46,000
290	Current Transformer 300 : 5, 15KV, Extended Range Current	59,000
291	Current Transformer 300 : 5, 600V	7,800
292	Current Transformer 380: 5, 600V	7,000
293	Current Transformer 300 : 5, 600V, Extended Range Current	6,900
294	Current Transformer 300/250/150: 5, 15KV	47,000
295	Current Transformer 40/30/20 : 5, 15KV	46,000
296	Current Transformer 400 : 5, 15KV, Extended Range Current	59,000
297	Current Transformer 400/300/200 : 5, 15KV	47,000
298	Current Transformer 50 : 5, 15KV, Extended Range Current	59,000
299	Current Transformer 50/5 : 5, 15KV	41,000
300	Current Transformer 500/400/300 : 5, 15KV	46,000
301	Current Transformer 600 : 5, 600V	7,300
302	Current Transformer 600 : 5, 69KV	275,000
303	Current Transformer 800/400/200 : 5, 69KV	275,000
304	Current Transformer 100/75/50: 5, 15KV	46,000
305	Current Transformer 800: 5, 600V, Extended Range	11,000
306	Current Transformer 200/100/50:5, 69 KV, Metering and Protection Core	250,000
307	Current Transformer 300/200/100:5, 69 KV, Metering and Protection Core	250,000
308	Current Transformer 1000/500:5, 69 KV, Extended Range Current	298,000
309	Dead-end Service, Wedge Type, #4 ACSR Conductor (Maximum)	25
310	Eye, Ball	190
311	Fuse Cut-out & Arrester Combination, 15KV, Class 100	5,200
312	Fuse Cut-out & Arrester Combination, 15KV, Class 200	6,300

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No.	DESCRIPTION	2018 NEA PRICE INDEX
313	Fuse Cut-out, 15KV, Class 100	3,900
314	Fuse Cut-out, 15KV, Class 200	5,500
315	Fuse Cut-out, 23KV, 100A	4,500
316	Guy, Dead-end Grip, 5/16"	110
317	Guy, Dead-end Grip, 3/8"	150
318	Guy, Truss, 69KV, 24"	1,450
319	Guy, Truss, 69KV, Heavy Guying	1,900
320	Hook, Ball	155
321	Hook, Guy, Hot Dip Galvanized	42
322	Insulator, Dead-end, Clevis Type, Polymer, 15KV	700
323	Insulator, Dead-end, Polymer, 69KV, Y- Clevis & Ball	6,900
324	Insulator, Pin Type, 23KV, 56-1	285
325	Insulator, Pin Type, 23KV, 56-2	365
326	Insulator, Pin Type, Polymer, ANSI, Class 55-3	500
327	Insulator, Pin Type, Polymer, ANSI, Class 55-5	650
328	Insulator, Pin Type, Porcelain, ANSI, Class 55-3	145
329	Insulator, Pin Type, Porcelain, ANSI, Class 55-4	155
330	Insulator, Pin Type, Porcelain, ANSI, Class 55-5	195
331	Insulator, Pin Type, Porcelain, ANSI, Class 56-1	300
332	Insulator, Pin Type, Porcelain, ANSI, Class 56-2	500
333	Insulator, Post Type w/ 7" Stud	90
334	Insulator, Spool, 1-3/8", ANSI, Class 53-1	24
335	Insulator, Spool, 1-3/4", ANSI, Class 53-2	27
336	Insulator, Spool, 3", ANSI, Class 53-4	48
337	Insulator, Suspension, 6", ANSI, Class 52-1	300
338	Insulator, Suspension Socket Type 10" dia., 69KV	500
339	Insulator, Suspension, 4 shed, Polymer, 15KV	750
340	Insulator, Suspension, Polymer, 69KV, Y - Clevis & Ball	3,500
341	Insulator, Pin Type, HDPE, ANSI, Class 55-3	380
342	Insulator, Pin Type, HDPE, ANSI, Class 55-4	400
343	Insulator, Pin Type, HDPE, ANSI, Class 55-5	520
344	Lag, Screw, 1/2" X 4"	24
345	Lag, Screw, 1/2" X 6"	25
346	Lightning Arrester, 10 KV, 8.4KV MCOV	2,000
347	Lightning Arrester, 10-12 KV, Polymer	2,600
348	Lightning Arrester, 18KV, 15.3KV MCOV	2,600
349	Lightning Arrester, 9-10 KV, Polymer	2,500
350	Lightning Arrester, 27KV, 22.5KV MCOV	3,500
351	Link, Fuse, Universal, Bottom Head, Type K, 100A	310

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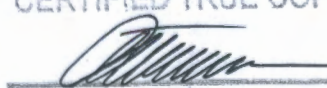
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352	Link, Fuse, Universal, Bottom Head, Type K, 10A	165
353	Link, Fuse, Universal, Bottom Head, Type K, 12A	165
354	Link, Fuse, Universal, Bottom Head, Type K, 140A	600
355	Link, Fuse, Universal, Bottom Head, Type K, 150A	470
356	Link, Fuse, Universal, Bottom Head, Type K, 15A	170
357	Link, Fuse, Universal, Bottom Head, Type K, 1A	155
358	Link, Fuse, Universal, Bottom Head, Type K, 200A	800
359	Link, Fuse, Universal, Bottom Head, Type K, 20A	165
360	Link, Fuse, Universal, Bottom Head, Type K, 25A	200
361	Link, Fuse, Universal, Bottom Head, Type K, 2A	190
362	Link, Fuse, Universal, Bottom Head, Type K, 30A	195
363	Link, Fuse, Universal, Bottom Head, Type K, 35A	175
364	Link, Fuse, Universal, Bottom Head, Type K, 3A	160
365	Link, Fuse, Universal, Bottom Head, Type K, 40A	190
366	Link, Fuse, Universal, Bottom Head, Type K, 45A	200
367	Link, Fuse, Universal, Bottom Head, Type K, 4A	155
368	Link, Fuse, Universal, Bottom Head, Type K, 50A	195
369	Link, Fuse, Universal, Bottom Head, Type K, 5A	155
370	Link, Fuse, Universal, Bottom Head, Type K, 60A	280
371	Link, Fuse, Universal, Bottom Head, Type K, 65A	300
372	Link, Fuse, Universal, Bottom Head, Type K, 6A	165
373	Link, Fuse, Universal, Bottom Head, Type K, 75A	285
374	Link, Fuse, Universal, Bottom Head, Type K, 7A	130
375	Link, Fuse, Universal, Bottom Head, Type K, 80A	295
376	Link, Fuse, Universal, Bottom Head, Type K, 8A	175
377	Load Break Switch, Vacuum/SF6, 15KV, 630A ( Stand Alone)	300,000
378	Load Break Switch, Vacuum/SF6, 15KV, 630A ( Remote Control Line Switch)	600,000
379	Load Break Switch, Vacuum/SF6, 23KV, 600A ( Stand Alone)	340,000
380	Load Break Switch, Vacuum/SF6, 23KV, 600A ( Remote Control Line Switch)	400,000
381	Meter Box, 13"X10"X8"	1,800
382	Meter Box, 10"X 14"X 18"	3,750
383	Meter Box, 20"X14"X12"	4,000
384	Meter Box, 24"X27"X12"	4,200
385	Meter, Base Socket CL-100, 5 Jaw	1,800
386	Meter, Base Socket CL-200, 4 Jaw	2,100
387	Meter, Base Socket CL-200, 5 Jaw	2,200
388	Meter, Base Socket CL-200, 7 Jaw	7,500
389	Meter, Base Socket, CL-100, Long Clip	400
390	Meter, KWH, 1 Phase, Class 1, 240V, 10(60)A, Bottom Connected, Electronic	1,100

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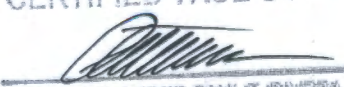
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No.	DESCRIPTION	2018 NEA PRICE INDEX
391	Meter, KWH, 1 Phase, Class 1, 240V, 5(100)A, Bottom Connected, Electronic	1,500
392	Meter, KWH, 1 Phase, Class 1, 240V, 10(100)A, Bottom Connected, Electronic	1,600
393	Meter, KWH, 1 Phase, Class 2, 240V, 5(60)A, Bottom Connected, Electro Mechanical	900
394	Meter, KWH, 1 Phase, Class 2, 240V, 10(60)A, Bottom Connected, Electro Mechanical	1,000
395	Meter, KWH, 1 Phase, Class 100, 2W, 240V, Form 1S, Socket Type, Electronic	1,750
396	Meter, KWH, 1 Phase, Class 100, 2W, 240V, 60Hz, 15A, Form 1S, Electro Mechanical	1,400
397	Meter, KWH, 1 Phase, Class 20, 240V, 2W, Form 3S, Electronic, Complete w/ TOU and Load Profiling	17,000
398	Meter, KWH, 1 Phase, Class 20, 240V, 2W, Form 3S, Electronic, Demand, KVARH w/ TOU	9,500
399	Meter, KWH, 1 Phase, Class 200, 2W, 240V, 60Hz, 30A, Form 1S, Electro Mechanical	1,600
400	Meter, KWH, 1 Phase, Class 200, 2W, 240V, 60Hz, 30A, Form 1S, Electronic, Demand, KVARH w/ TOU	9,800
401	Meter, KWH, 1 Phase, Class 200, 2W, 240V, Form 1S, Socket Type, Electronic	1,800
402	Meter, KWH, 1 Phase, Class 200, 3W, 240V, Form 2S, Socket Type, Electronic	1,600
403	Meter, KWH, 3 Phase, Class 20, 120/480V, 3W, Form 4S, Electronic, Energy & Demand w/ TOU	26,000
404	Meter, KWH, 3 Phase, Class 20, 120/480V, 4W, Electronic, Demand & Energy w/ TOU	16,000
405	Meter, KWH, 3 Phase, Class 20, 120/480V, 4W, Form 48A, Electronic, Demand, KVARH w/ TOU	14,000
406	Meter, KWH, 3 Phase, Class 20, 240V, 3W, Form 45A, Electronic, Complete w/ TOU & Load Profiling	36,000
407	Meter, KWH, 3 Phase, Class 20, 240V, 3W, Form 9S, Electronic, Demand & Energy	15,000
408	Meter, KWH, 3 Phase, Class 20, Electronic, Form 5A, 120/480V, Complete w/ TOU and Load Profiling	43,000
409	Meter, KWH, 3 Phase, Class 20, Electronic, Form 5A, 120/480V, Demand, KVARH w/ TOU	12,000
410	Meter, KWH, 3 Phase, Class 20, Electronic, 120/480V, 4W, Form 48A Complete w/ TOU & Load Profiling	48,000
411	Meter, KWH, 3 Phase, Class 200, 3W, 120/480V, 30A, Form 12S, Electronic, Energy & Demand w/ TOU	18,000
412	Meter, KWH, 3 Phase, Class 200, 3W, 240V, 30A, Form 12S, Electronic, Complete with TOU & Load Profiling	26,000
413	Meter, KWH, 3 Phase, Class 200, 3W, 240V, 30A, Form 12S, Electronic, Demand, KVARH and w/ TOU	10,000
414	Meter, KWH, 3 Phase, Electronic, Form 48A, 120/480V, Electronic, Energy, KVARH, Demand w/ TOU	28,000
415	Nut, Eye, 5/8", Conventional, Hot Dip Galvanized	85
416	Nut, Eye, 3/4", Conventional, Hot Dip Galvanized	90
417	Nut, Lock, MT Type, 3/8"	15
418	Nut, Lock, MT Type, 1/2"	16
419	Nut, Lock, MT Type, 5/8"	16
420	Nut, Lock, MT Type, 3/4"	20
421	Nut, Thimble Eye, 5/8" Single Eye, Hot Dip Galvanized	85
422	Pin, Crossarm, Clamp Type, 1" Thread Dia. Hot Dip Galvanized	410
423	Pin, Crossarm, Long Shank, 1" Thread Dia., 20" long, Hot Dip Galvanized, Forged	190
424	Pin, Crossarm, Long Shank, 1" Thread Dia. Nylon Thread, 7-7/8" X 5/8" Shank, Hot Dip Galvanized	290
425	Pin, Crossarm, Steel, 5/8" X 10-3/4", Hot Dip Galvanized	140
426	Pin, Crossarm, Steel, 5/8" X 13-3/4", Hot Dip Galvanized	250
427	Pin, Crossarm, Steel, 3/4"x17"x 1-3/8", 23KV, Nylon Thread, Hot Dip Galvanized	255
428	Pin, Pole Top, Channel, 1" Thread, 20" Long, Hot Dip Galvanized	195

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429	Pin, Pole Top, Channel, 1" Thread, 1 3/8" X 25" Long, Hot Dip Galvanized	250
430	Pin, Pole Top, 1 3/8" X 25", 23KV	320
431	Pin, Steel, 5/8" x 10-3/4"	145
432	Pin, Steel, 1 3/8" x 14", 23KV	400
433	Plate, Guy	60
434	Plate, Pole Grounding, Butt Type, Hot Dip Galvanized	105
435	Plate, Reinforcing, Crossarm, 6" X 8"	160
436	Pole, Concrete, 25', Class 7A, 500 kgs. (Minimum Load Break)	7,000
437	Pole, Concrete, 30', Class 5, 1000 kgs. (Minimum Load Break)	11,500
438	Pole, Concrete, 30', Class TA, 500 kgs. (Minimum Load Break)	10,000
439	Pole, Concrete, 35', Class 3, 1400 kgs. (Minimum Load Break)	16,500
440	Pole, Concrete, 35', Class 5, 1000 kgs. (Minimum Load Break)	15,500
441	Pole, Concrete, 35', Class 7A, 500 kgs. (Minimum Load Break)	13,500
442	Pole, Concrete, 40', Class 3, 1400 kgs. (Minimum Load Break)	19,500
443	Pole, Concrete, 40', Class 5, 1000 kgs. (Minimum Load Break)	18,500
444	Pole, Concrete, 40', Class 7A, 500 kgs. (Minimum Load Break)	16,500
445	Pole, Concrete, 45', Class 3, 1400 kgs. (Minimum Load Break)	24,500
446	Pole, Concrete, 45', Class 5, 1000 kgs. (Minimum Load Break)	23,300
447	Pole, Concrete, 50', Class 1, 2400 kgs. (Minimum Load Break)	35,000
448	Pole, Concrete, 50', Class 3, 1600 kgs. (Minimum Load Break)	33,500
449	Pole, Concrete, 50', Class 5, 1000 kgs. (Minimum Load Break)	32,000
450	Pole, Concrete, 55', Class 3, 1600 kgs. (Minimum Load Break)	37,500
451	Pole, Concrete, 55', Class 6, 1000 kgs. (Minimum Load Break)	35,500
452	Pole, Concrete, 60', Class 3, 1600 kgs. (Minimum Load Break)	46,500
453	Pole, Concrete, 60', Class 6, 1000 kgs. (Minimum Load Break)	43,000
454	Pole, Concrete, 65', Class 2, 1800 kgs. (Two Section) (Minimum Load Break)	87,500
455	Pole, Concrete, 65', Class 3, 1600 kgs. (Two Section) (Minimum Load Break)	85,000
456	Pole, Concrete, 70', Class 1, 2000 kgs. (Two Section) (Minimum Load Break)	115,500
457	Pole, Concrete, 75', Class 1, 2000 kgs. (Two Section) (Minimum Load Break)	128,500
458	Pole, Concrete, 80', Class 1, 2000 kgs. (Two Section) (Minimum Load Break)	149,000
459	Pole, Concrete, 90', Class 1, 2000 kgs. (Two Section) (Minimum Load Break)	188,000
460	Pole, Steel, 25', Bare-3.0 mm, 86 Micron, 500 kgs (Minimum Load Break)	8,500
461	Pole, Steel, 30', Bare-3.0 mm, 86 Micron, 500 kgs (Minimum Load Break)	14,500
462	Pole, Steel, 35', Bare-3.0 mm, 86 Micron, 500 kgs (Minimum Load Break)	17,500
463	Pole, Steel, 40', Bare-3.0 mm, 86 Micron, 500 kgs (Minimum Load Break)	23,000
464	Pole, Steel, 45', Bare-4.0 mm (Two Section), 86 Micron, 750 kgs (Minimum Load Break)	35,500
465	Pole, Steel, 50', Bare-4.0 mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break)	65,000
466	Pole, Steel, 55', Bare-4.0 mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break)	75,000
467	Pole, Steel, 60', Bare-4.0 mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break)	85,000

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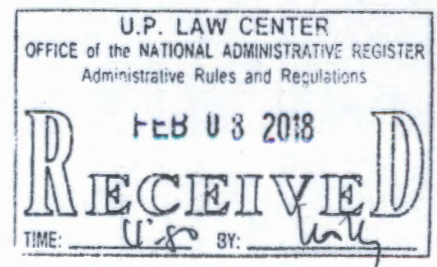
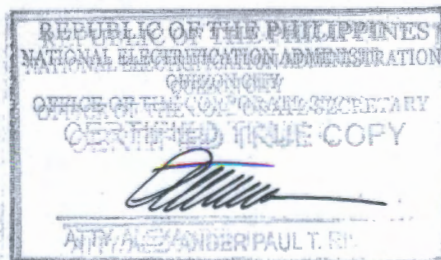
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468	Pole, Steel, 60', Bare-5.0mm (Two Section), 88 Micron, 1200 kgs (Minimum Load Break)	94,800
469	Pole, Steel, 65', Bare-4.0mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break)	95,200
470	Pole, Steel, 65', Bare-5.0 mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break)	132,450
471	Pole, Steel, 70', Bare-4.0 mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break)	111,300
472	Pole, Steel, 70', Bare-5.0 mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break)	142,250
473	Pole, Steel, 75' Bare-4.0 mm (Two Section), 86 Micron, 1200 kgs (Minimum Load Break)	127,800
474	Pole, Wood, 25', Australia, Class 3, 1360 kgs (Minimum Breaking Load)	12,860
475	Pole, Wood, 25', US, Class 1, 2040 kgs (Minimum Breaking Load)	15,500
476	Pole, Wood, 25', US, Class 2, 1678 kgs (Minimum Breaking Load)	16,000
477	Pole, Wood, 25', US, Class 3, 1360 kgs (Minimum Breaking Load)	13,600
478	Pole, Wood, 25', US, Class 4, 1088 kgs (Minimum Breaking Load)	13,000
479	Pole, Wood, 25', US, Class 5, 862 kgs (Minimum Breaking Load)	11,600
480	Pole, Wood, 25', US, Class 6, 680 kgs (Minimum Breaking Load)	11,000
481	Pole, Wood, 30', Australia, Class 3, 1360 kgs (Minimum Breaking Load)	18,800
482	Pole, Wood, 30', US, Class 1, 2040 kgs (Minimum Breaking Load)	23,200
483	Pole, Wood, 30', US, Class 2, 1678 kgs (Minimum Breaking Load)	22,400
484	Pole, Wood, 30', US, Class 3, 1360 kgs (Minimum Breaking Load)	21,800
485	Pole, Wood, 30', US, Class 4, 1088 kgs (Minimum Breaking Load)	17,800
486	Pole, Wood, 30', US, Class 5, 862 kgs (Minimum Breaking Load)	14,200
487	Pole, Wood, 30', US, Class 6, 680 kgs (Minimum Breaking Load)	14,000
488	Pole, Wood, 35', Australia, Class 3, 1360 kgs (Minimum Breaking Load)	23,800
489	Pole, Wood, 35', US, Class 3, 1360 kgs (Minimum Breaking Load)	24,800
490	Pole, Wood, 35', US, Class 4, 1088 kgs (Minimum Breaking Load)	21,500
491	Pole, Wood, 35', US, Class 5, 862 kgs (Minimum Breaking Load)	17,600
492	Pole, Wood, 35', US, Class 6, 680 kgs (Minimum Breaking Load)	13,600
493	Pole, Wood, 40', Australia, Class 3, 1360 kgs (Minimum Breaking Load)	31,900
494	Pole, Wood, 40', US, Class 3, 1360 kgs (Minimum Breaking Load)	32,800
495	Pole, Wood, 40', US, Class 4, 1088 kgs (Minimum Breaking Load)	25,800
496	Pole, Wood, 40', US, Class 5, 862 kgs (Minimum Breaking Load)	22,800
497	Pole, Wood, 45', Australia, Class 3, 1380 kgs (Minimum Breaking Load)	38,500
498	Pole, Wood, 45', US, Class 3, 1360 kgs (Minimum Breaking Load)	38,800
499	Pole, Wood, 45', US, Class 4, 1088 kgs (Minimum Breaking Load)	31,500
500	Pole, Wood, 45', US, Class 5, 862 kgs (Minimum Breaking Load)	28,700
501	Pole, Wood, 50', Australia, Class 2, 1678 kgs (Minimum Breaking Load)	78,500
502	Pole, Wood, 50', US, Class 2, 1678 kgs (Minimum Breaking Load)	91,000
503	Pole, Wood, 50', US, Class 3, 1360 kgs (Minimum Breaking Load)	78,500
504	Pole, Wood, 50', US, Class 4, 1088 kgs (Minimum Breaking Load)	58,600
505	Pole, Wood, 50', US, Class 5, 882 kgs (Minimum Breaking Load)	53,700
506	Pole, Wood, 55', Australia, Class 2, 1678 kgs (Minimum Breaking Load)	88,300

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## NEA Equipment and Material Price Index 2018

No.	DESCRIPTION	2018 NEA PRICE INDEX
507	Pole, Wood, 55', US, Class 2, 1678 kgs (Minimum Breaking Load)	112,000
508	Pole, Wood, 55', US, Class 3, 1360 kgs (Minimum Breaking Load)	98,000
509	Pole, Wood, 55', US, Class 4, 1088 kgs (Minimum Breaking Load)	69,800
510	Pole, Wood, 60', Australia, Class 2, 1678 kgs (Minimum Breaking Load)	93,750
511	Pole, Wood, 70', Australia, Class 2, 1678 kgs (Minimum Breaking Load)	135,700
512	Pole, Wood, 75', Australia, Class 2, 1678 kgs (Minimum Breaking Load)	119,600
513	Pole, Wood, 80', Australia, Class 2, 1678 kgs (Minimum Breaking Load)	97,000
514	Pole, Wood, 70', Australia, Class 2, 1678 kgs (Minimum Breaking Load)	97,000
515	Pole, Wood, 75', Australia, Class 2, 1678 kgs (Minimum Breaking Load)	114,000
516	Pole, Wood, 80', Australia, Class 2, 1678 kgs (Minimum Breaking Load)	115,600
517	Pole, Wood, Local, 25', Class 5, 862 kgs (Minimum Load Break)	7,900
518	Pole, Wood, Local, 30', Class 5, 862 kgs (Minimum Load Break)	11,800
519	Pole, Wood, Local, 35', Class 5, 862 kgs (Minimum Load Break)	13,500
520	Pole, Wood, Local, 40', Class 5, 862 kgs (Minimum Load Break)	18,700
521	Pole, Wood, Local, 45', Class 5, 862 kgs (Minimum Load Break)	19,500
522	Pole, Wood, Local, 50', Class 5, 862 kgs (Minimum Load Break)	28,500
523	Pole, Wood, Local, 55', Class 5, 862 kgs (Minimum Load Break)	33,500
524	Potential Transformer, 15KV, 70:1	44,000
525	Potential Transformer, 15KV, 120/70:1	49,000
526	Potential Transformer, 69KV, 350:1	245,000
527	Potential Transformer, 69KV, 600/350:1	325,000
528	Recloser, Vacuum, 1 Phase, 400A	400,000
529	Recloser, Vacuum, 3 Phase, 630A	700,000
530	Rod, Anchor, Single Eye, 5/8" X 8', Hot Dip Galvanized, Forged	500
531	Rod, Anchor, Single Eye, 3/4" X 8', Hot Dip Galvanized, Forged	600
532	Rod, Anchor, Thimble Eye, 1" X 10', Hot Dip Galvanized, Forged	650
533	Rod, Anchor, Threaded, Double Eye, 1" X 10', Hot Dip Galvanized, Forged	350
534	Rod, Anchor, Threaded, Double Eye, 3/4" X 8', Hot Dip Galvanized, Forged	630
535	Rod, Anchor, Threaded, Double Eye, 3/4" X 9', Hot Dip Galvanized, Forged	650
536	Rod, Anchor, Threaded, Double Eye, 3/4" X 10', Hot Dip Galvanized, Forged	670
537	Rod, Anchor, Threaded, Oval Eye, 3/4" X 8', Hot Dip Galvanized, Forged	520
538	Rod, Anchor, Threaded, Oval Eye, 3/4" X 9', Hot Dip Galvanized, Forged	570
539	Rod, Anchor, Threaded, Oval Eye, 3/4" X 10', Hot Dip Galvanized, Forged	640
540	Rod, Anchor, Threaded, Single Eye, 5/8" X 7', Hot Dip Galvanized, Forged	350
541	Rod, Anchor, Threaded, Single Eye, 3/4" X 8', Hot Dip Galvanized, Forged	550
542	Rod, Anchor, Threaded, Single Eye, 5/8" X 10', Hot Dip Galvanized	650
543	Rod, Armor, Preformed, #1/0 ACSR, Double Support	380
544	Rod, Armor, Preformed, #1/0 ACSR, Single Support	370
545	Rod, Armor, Preformed, #2 ACSR, Double Support	390

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## NEA Equipment and Material Price Index 2018

No.	DESCRIPTION	2018 NEA PRICE INDEX
546	Rod, Armor, Preformed, #2 ACSR, Single Support	300
547	Rod, Armor, Preformed, #2/0 ACSR, Double Support	510
548	Rod, Armor, Preformed, #2/0 ACSR, Single Support	450
549	Rod, Armor, Preformed, #3/0 ACSR, Single Support	520
550	Rod, Armor, Preformed, #336 MCM, Double Support	850
551	Rod, Armor, Preformed, #336 MCM, Single Support	900
552	Rod, Armor, Preformed, #4/0 ACSR, Single Support	580
553	Rod, Ground Steel, Galvanized, 5/8" X 8', Hot Dip Galvanized	400
554	Rod, Ground Steel, Galvanized, 5/8" X 10', Hot Dip Galvanized	510
555	Rod, Tapping, Preformed, #2 ACSR	230
556	Shackle, Anchor, 5/8", Forged Steel, Hot Dip Galvanized	310
557	Spacer, Pipe, 3/4" X 1-1/2", Hot Dip Galvanized	25
558	Staple, Ground wire, 1/2" X 2"	128
559	Strap, Band-it, Steel, 1/2"	28
560	Switch, Air-break, 15KV	80,000
561	Switch, Disconnecting, 15KV, 200A	14,000
562	Switch, Disconnecting, 15KV, 600A	17,000
563	Switch, Disconnecting, 27KV	17,000
564	Transformer, Pole Type, Conventional, 5 KVA	35,500
565	Transformer, Pole Type, Conventional, 10 KVA	50,000
566	Transformer, Pole Type, Conventional, 15 KVA	59,700
567	Transformer, Pole Type, Conventional, 25 KVA	76,600
568	Transformer, Pole Type, Conventional, 37.5 KVA	93,500
569	Transformer, Pole Type, Conventional, 50 KVA	108,000
570	Transformer, Pole Type, Conventional, 75 KVA	132,800
571	Transformer, Pole Type, Conventional, 100 KVA	156,800
572	Transformer, Pole Type, Conventional, 167 KVA	215,200
573	Transformer, Pole Type, Conventional, Amorphous, 10 KVA	60,900
574	Transformer, Pole Type, Conventional, Amorphous, 15 KVA	71,000
575	Transformer, Pole Type, Conventional, Amorphous, 25 KVA	85,000
576	Transformer, Pole Type, Conventional, Amorphous, 37.5 KVA	112,500
577	Transformer, Pole Type, Conventional, Amorphous, 50 KVA	125,600
578	Transformer, Pole Type, Conventional, Amorphous, 75 KVA	168,000
579	Transformer, Pole Type, Conventional, Amorphous, 100 KVA	210,000
580	Transformer, Pole Type, CSP, 5 KVA	50,000
581	Transformer, Pole Type, CSP, 10 KVA	55,500
582	Transformer, Pole Type, CSP, 15 KVA	67,800
583	Transformer, Pole Type, CSP, 25 KVA	85,900
584	Transformer, Pole Type, CSP, 50 KVA	120,000

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No.	DESCRIPTION	2018 NEA PRICE INDEX
585	Transformer, Pole Type, 37.5KVA, 23KV	107,900
586	Transformer, Pole Type, 50KVA, 23KV	127,500
587	Transformer, Pole Type, 75KVA, 23KV	175,000
588	Transformer, Pole Type, 100KVA, 23KV	195,800
589	Transformer, Pole Type, 167KVA, 23KV	299,000
590	Transformer, 250KVA, 23KV	355,000
591	Transformer, 500KVA, 23KV, 3Phase	880,000
592	Transformer, 750KVA, 23KV, 3Phase	1,200,000
593	Transformer, Pole Type, 5KVA, 13.2KV	43,000
594	Transformer, Pole Type, 10KVA, 13.2KV	50,300
595	Transformer, Pole Type, 15KVA, 13.2KV	54,800
596	Transformer, Pole Type, 25KVA, 13.2KV	80,600
597	Transformer, Pole Type, 37.5KVA, 13.2KV	96,400
598	Transformer, Pole Type, 50KVA,13.2KV	110,300
599	Transformer, Pole Type, 75KVA,13.2KV	169,500
600	Transformer, Pole Type, 100KVA,13.2KV	208,900
601	Transformer, Pole Type, 167KVA,13.2KV	272,000
602	Washer, Curved, 2-1/2" X 2-1/2" X 3/16"	15
603	Washer, Curved, 3" X 3" X 1/4", 13/16"	35
604	Washer, Curved, 4" X 4" X 1/4"	65
605	Washer, Curved, 4" X 4" X 1/2"	115
606	Washer, Round, 1-3/8" Diameter w/ 9/16" Dia. Hole	10
607	Washer, Round, 11/16" (Washer Round 1-3/4")	12
608	Washer, Square, Curved, 3" X 3" X 5/16" w/ 11/16" Dia. Hole	45
609	Washer, Square, Curved, 4" X 4" X 1/4" w/ 15/16" Dia. Hole	50
610	Washer, Square, Curved, 4" X 4" X 1/2" w/ 7/8" Dia. Hole	120
611	Washer, Square, Flat, 2-1/4" X 2-1/4" X 3/16"	22
612	Washer, Square, Flat, 4" X 4" X 3/16"	95
613	Washer, Square, Flat, 4" X 4" X 1/2"	130
614	Wire, Grounding, Aluminum Alloy, #4 AWG (Feet)	15
615	Wire, Grounding, Galvanized, 3 Strand, 5/16" Dia. (Feet)	25
616	Wire, Guy, Steel, 5/16", 7 Strand, High Strength (Feet)	20
617	Wire, Guy, Steel, 3/8", 7 Strand, High Strength (Feet)	30
618	Wire, Guy, Steel, 7/18", 7 Strand, High Strength (Feet)	48
619	Wire, Holder, Service, #22 X 2-1/2", Wood Screw	30
620	Wire, Tape, Armor, Aluminum Alloy, 0.5" X 0.3" (Feet)	15
621	Wire, Tie, Aluminum Alloy, Soft, #4 AWG (Feet)	15
622	Wire, Tie, insulated, #4 mm (Meters)	60
623	3 Phase Portable Working Standard, KWH Meter & C.T Tester	1,300,000

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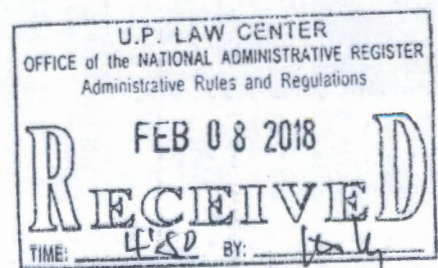
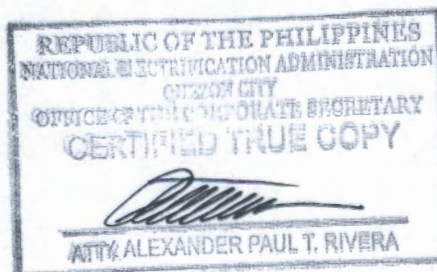
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## NEA Equipment and Material Price Index 2018

No.	DESCRIPTION	2018 NEA PRICE INDEX
624	3 Phase Portable Working Standard and Power Quality Analyzer	1,600,000
625	AC Hipot Tester, 100/120 HVT	1,800,000
626	Auto Portable Oil Tester, 60KV	750,000
627	Automatic Single Phase Relay Tester with SVTI	1,300,000
628	Body Belt Lineman, Size 9-10	27,500
629	Bolt Cutter 24"	14,500
630	Boom Truck, Digger Derrick, Japan	10,500,000
631	Boom Truck, w/ Bucket and Digger Derrick, USA	13,000,000
632	Manlift, Aerial Work Platform, Max. Working Height: 10 meters, Japan	3,600,000
633	Lineman's Utility Vehicle with Customized Body, 2.8L, Diesel, 4x2, MT	1,680,000
634	Lineman's Utility Vehicle with Customized Body, 5.4L, Diesel 4x4, MT,(5-tonner)	1,920,000
635	Chain Hoist, 2 Tons	39,000
636	Chain Saw, 16'	54,000
637	Clamp Stick, Hot Tool	38,500
638	Clamp Tester	35,000
639	Climbers, Belt w/ Pole Strap	34,000
640	Climbers Complete Set ( Belt, Spike and Pole Strap)	45,000
641	Come Along, 4/0 ACSR	15,500
642	Come Along, 336 MCM	25,000
643	Crane, 3 tons, Brand New	4,500,000
644	Crane, 5 tons, Brand New	6,000,000
645	Crane Truck with Auger & Insulated Basket, Max. Working Height: 14 m, Korea	10,800,000
646	CTR, Current Transformer Tester	1,200,000
647	DC Hi-Pot Test Set	1,500,000
648	Die-electric Oil Tester	700,000
649	Digital Data Logger	485,000
650	Digital Earth Ground Resistance Tester	290,000
651	Earth Resistance Clamp Tester	100,000
652	Digital Multimeter	60,000
653	Disconnect, Stick, Switch Head, 12'	14,000
654	Dissolved Gas Analyzer	2,300,000
655	DLRO, Low Resistance Tester	350,000
656	Earth/ Ground Resistance Tester	185,000
657	Electrical Plier 9"	2,500
658	Fault Circuit indicator	25,000
659	Galvanization Tester (Positector)	150,000
660	Grounding Cluster, 3 Phase	155,000
661	Global Positioning System (GPS)	60,000
662	Hole Digger, 7'	19,000

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## NEA Equipment and Material Price Index 2018

No.	DESCRIPTION	2018 NEA PRICE INDEX
663	Holster	8,500
664	Hot Stick Telescopic, 35'	48,000
665	Hot Stick Telescopic, 3m	16,000
666	Hot Stick Telescopic, 6m	37,000
667	Hot Stick, Disconnect Type, 12'	28,000
668	Hot Line CT Tester, 600V	200,000
669	Hydraulic Compression Tool and Die	185,000
670	Hydraulic Wedge Tool	23,500
671	Handheld 200 Micro- OHM Meter	300,000
672	Insulated, Aerial Work Platform, 15 meter, LV 35KV, ELF Type Truck, Japan	10,400,000
673	Insulated, Aerial Work Platform, 15 meter, LV 35KV, Forward Type Truck, Japan	11,400,000
674	Insulation/Dissipation Power Factor Test Set, IPF, 12KV	5,500,000
675	Power Factor Test Set, IPF, 12KV, Tan Delta & Capacitance	3,000,000
676	Insulation Resistance Tester	80,000
677	Insulation Resistance Tester, 10KV	290,000
678	Insulation Resistance Tester, 15KV	335,000
679	Insulation Resistance Tester, 5KV	280,000
680	Ladder, Fiber Glass, 12'	17,000
681	Ladder, Fiber Glass, 24'	21,000
682	Insulated Work Glove, Lineman Size 10	4,800
683	Insulated Work Glove, Lineman Size 9	3,500
684	Lineman's Safety Shoes	3,800
685	Load Buster	16,000
686	Load Logger Test Set	450,000
687	Long Nose Plier, 8"	2,000
688	Manual Compression Tool and Die	30,000
689	Manual, Crimping, Tool	30,000
690	MDP3 Distribution Profiler	660,000
691	Mechanical Compression Tool and Die	30,000
692	Meter Test Set	500,000
693	Pliers, Side Cutting, 8"	3,000
694	Portable Polyphase wathour meter	350,000
695	Portable Watthour Meter Test Set	1,250,000
696	Power Quality Analyzer	600,000
697	Protective Relay Test	1,500,000
698	Phase Finder System (Volt and Ampere Tester)	1,700,000
699	Ratchet, 0.5 Tons	9,000
700	Ratchet , 0.75 Tons	22,000
701	Ratchet, 1.5 Tons	34,000

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No.	DESCRIPTION	2018 NEA PRICE INDEX
702	Crimping, Tool	25,000
703	Ratchet, 3 Tons	82,000
704	Relay and Current Transformer Tester	3,200,000
705	Rubber Glove, Protectors, 15KV	16,800
706	Rubber Glove, Protectors, 69KV	18,000
707	Safety Belt w/ Strap	18,000
708	Safety Cap	800
709	Safety Strap, Lineman	3,500
710	Secondary Rack w/ Spool Insulator 1 3/4, 3W	400
711	Secondary Rack, 2W	350
712	Secondary Rack, 3W	500
713	Semi Automatic Oil Tester, 60KV	295,000
714	Shotgun, Stick, 12'	42,000
715	Single Phase Relay Tester	1,300,000
716	Skinning Knife, Klein	2,500
717	Spike w/ Strap	28,000
718	Screw Driver, Flat	950
719	Screw Driver, Phillip	850
720	Switch Stick, Hot Tool	21,600
721	Thermal Scanner, Fluke TI32	380,000
722	Thermal Scanner, Fluke Ti400	840,000
723	Thermal Scanner, Fluke CORFLEX	800,000
724	Thermal Scanner, T155FT	1,100,000
725	Thermal Scanner, Flir, EXX Series	835,000
726	Transformer Girt	45,000
727	Transformer Loss Tester	3,600,000
728	Transformer Turns Ratio Tester, TTR, Manual	285,000
729	Transformer Turns Ratio Tester, TTR, Digital, 3 Phase	1,800,000
730	TTR, Single Phase Transformer Turn Ratio Tester, Digital	285,000
731	Ultrasonic Sound Detector (Wifi, GPS, GPS Tracking)	1,200,000
732	Voltage Recorder, Digital, Single Phase 300V	90,000
733	Watt-hour Meter Test Bench & Calibration System	3,385,000
734	Watt-hour Meter Test & Calibration System, 10 Position, 1 Phase	10,000,000
735	Wire, Grip, #2 to 4/0	18,000
736	Wrench Adjustable, 10"	4,000

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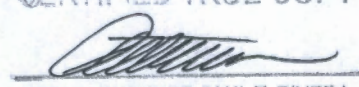
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2018 PRICE INDEX FOR SUBSTATION 2018 (unbundled)		
	Material Description	Unit Cost
POWER TRANSFORMERS		
1	5/6.25 MVA, POWER TRANSFORMER, ON-LOAD, 67/13.2 KV	10,500,00.00
2	5/6.25 MVA, POWER TRANSFORMER, OFF-LOAD, 67/13.2 KV	8,750,000.00
3	10/12.5 MVA, POWER TRANSFORMER, OFF-LOAD, 67/13.2 KV	11,700,000.00
4	10/12.5 MVA, POWER TRANSFORMER, OFF-LOAD, 67/13.2 KV, Origin: Europe	14,000,000.00
5	10/12.5 MVA, POWER TRANSFORMER, ON-LOAD, 67/13.2 KV	13,800,000.00
6	15/18.5 MVA, POWER TRANSFORMER, ON-LOAD, 67/13.2 KV	16,000,000.00
7	15/18.5 MVA, POWER TRANSFORMER, OFF-LOAD, 67/13.2 KV	13,500,000.00
8	20/25 MVA, POWER TRANSFORMER, OFF-LOAD, 67/13.2 KV	16,500,000.00
9	20/25 MVA, POWER TRANSFORMER, OFF-LOAD, 67/13.2 KV, Origin: Europe	19,500,000.00
10	20/25 MVA, POWER TRANSFORMER, ON-LOAD, 67/13.2 KV	21,500,000.00
11	30/37.5 MVA, POWER TRANSFORMER, OFF-LOAD, 67/13.2 KV	25,500,000.00
SUBSTATION STEEL STRUCTURES		
12	69KV Incoming Structures	900,000.00
13	69KV Power Circuit Breaker Structures	
14	69KV Potential Transformer Structures	
15	69KV Current Transformer Structures	
16	69KV Post Insulator Structures	
17	69KV Surge Arresters Structures	
18	69KV Disconnect Switch Structures	
19	Battery Racks	
20	Ground Mesh for Disconnect Switch	
69KV PROTECTION AND METERING EQUIPMENT		
21	Power Circuit Breaker, SF6, Dead Tank, 6BCT's w/ relays	3,200,000.00
22	Power Circuit Breaker, SF6, Dead Tank, 3BCT's w/ relays	2,700,000.00
23	Power Circuit Breaker, SF6, Live Tank	1,600,000.00
24	Potential Transformer	295,000.00
25	Current Transformer	275,000.00
26	Post Insulator, 350KV BIL	25,000.00
27	60 KV, Surge Arresters, 48KV MCOV, Class 3	55,000.00
28	Disconnect Switch with Earthing Switch, Double Side Break Type, Motorized	580,000.00
29	Disconnect Switch with Earthing Switch, Double Side Break Type	500,000.00

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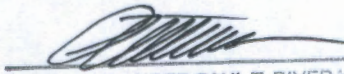
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2018 PRICE INDEX FOR SUBSTATION 2018 (unbundled)	
Material Description	Unit Cost
15KV PROTECTION EQUIPMENT	
30 Circuit Breaker, Type Tested, Modular, Vacuum GIS, 1250A, MVSG with Complete Accessories	1,400,000.00
31 Circuit Breaker, Type Tested, Modular, Vacuum GIS, 630A, MVSG with Complete Accessories	1,200,000.00
32 Circuit Breaker, Type Tested, Vacuum AIS, 1250A, MVSG, with Complete Accessories, Draw Out Type	1,200,000.00
33 Circuit Breaker, Type Tested, Vacuum AIS, 630A, MVSG with Complete Accessories, Draw Out Type	1,000,000.00
34 15KV Fused Protection Cubicle	400,000.00
35 15KV Metering Cubicle	350,000.00
36 Circuit Breaker, Outdoor, Vacuum, Dead Tank, Stand Alone	2,820,000.00
37 Vacuum Circuit Recloser, 630A	700,000.00
38 Potential Transformer, 15KV	72,000.00
39 Current Transformer, 15KV	60,000.00
40 12 KV, Surge Arrester, 9.6KV MCOV, Class 3	27,000.00
41 Disconnect Switch, 1200A, Single Pole	15,000.00
SUPPLY OF 69KV/15KV METERING CONTROL AND PROTECTION PANEL	
42 69/15KV Protection, Control and Metering Panel with Protection Overcurrent Relays of 69kv & 15kv, SCADA Ready & Meters for 1 incoming & 4 feeders	1,800,000.00
43 Accessories: 5 Pcs Multifunction Energy Meter, 1 Differential Relay, Annunciators, Test Blocks	
44 Overcurrent & Ground Fault Relays, Multi Fuction Protective Relay & High Protective Relay, GSM/GPRS Modem, Alarm & w/ Arc Flash Protection, Voltage Relay, Auxillary Relays	
STATION BATTERY, BATTERY CHARGER	
45 Battery Bank, 125VDC	320,000.00
46 Battery Charger, 125VDC, 30A, Single Phase	350,000.00
SERVICE STATION DISTRIBUTION TRANSFORMER	
47 Distribution Transformer, 1 Phase, 25 KVA	76,600.00
48 Concrete Poles, 30 ft	11,500.00
49 Cutout and Arrester Combination	5,200.00
50 Transformer Hanger	1,500.00
15KV POWER CABLE AND TERMINATION KIT	
51 15KV XLPE Power Cable, 240 sq.mm ( Meters )	2,500.00
52 15KV XLPE Power Cable, 95 sq.mm ( Meters )	1,200.00
53 15KV Outdoor Heat Shrink Termination Kits, sets	15,000.00
54 15KV Outdoor Termination Kits, 240 sq.mm, sets	14,000.00
55 15KV Outdoor Termination Kits, 95 sq.mm, sets	13,000.00

*Handwritten initials*

REPUBLIC OF THE PHILIPPINES  
 NATIONAL ELECTRIFICATION ADMINISTRATION  
 QUEZON CITY  
 OFFICE OF THE CORPORATE SECRETARY  
 CERTIFIED TRUE COPY



ATTY. ALEXANDER PAUL T. RIVERA

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FEB 08 2018

TIME: *4:00* BY: *[Signature]*



2018 PRICE INDEX FOR SUBSTATION 2018 (unbundled)	
Material Description	Unit Cost
CIVIL AND OTHER ELECTRICAL WORKS	
56 Construction of Perimeter Fence, 1000 sqm.	700,000.00
57 Equipment Foundation	900,000.00
58 Feeder Take off Pedestal and Incoming 69 Kv Overhead Lines	700,000.00
59 Site Development/Grading/Gravelling/Perimeter Lights	500,000.00
60 Power House, Control & Switchgear Room	750,000.00
61 Wires, Hardwares, Control Cables and Accessories	500,000.00
62 Complete Grounding System, 300 sqm	800,000.00
63 15KV, Substation Structures	400,000.00
64 Supervision, Installation and Construction	1,500,000.00
65 Testing and Commissioning	250,000.00

*N.A.*

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February 7, 2018

**THE DIRECTOR**

Office of the National Administrative Register  
University of the Philippines Law Center  
U.P Law Center, Diliman  
Quezon City

Sir:

Pursuant to Book VII, Chapter 2, Section 3 of the 1987 Administrative Code of the Philippines, we are respectfully submitting to the U.P Law Center for filing, publication and recording the attached certified true copies of the "**NEA EQUIPMENT AND MATERIALS PRICE INDEX 2018**" promulgated by the National Electrification Administration (NEA) in accordance with its authority under Section 5 of P.D. No. 269 as amended.

Thank you very much for the usual and kind assistance of the U.P Law Center.

Very truly yours.

**ATTY. ALEXANDER PAUL T. RIVERA**  
Corporate Board Secretary V

