

Republic of the Philippines  
National Electrification Administration

*"The 1st Performance Governance System-Institutionalized National Government Agency"*

02 May 2012

MEMORANDUM No. 2012-012

TO : **ALL ELECTRIC COOPERATIVES**

SUBJECT : **2012 EQUIPMENT/MATERIALS (E/M) PRICE INDEX**

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The National Electrification Administration (NEA) is issuing an updated edition of the Equipment/Materials Price Index (EMPI) in order to reflect the current costs of E/M being used by the Electric Cooperatives (ECs). The EMPI will serve as a tool for NEA in the evaluation of EC projects funded by subsidy and 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. Thirty six (36) ECs responded as follows: 14 from Luzon, 11 from Visayas and 11 from Mindanao. NEA created a Committee to work on this, after which the Committee decided to adopt the average method in the assessment of E/M prices submitted by the respondent ECs.

To avoid price distortion, unit prices which were too high or too low were not considered. The results showed that for hardwares and insulators, the prices increased by an average of 8%, conductors/wires increased by an average of 3% and poles of different types increased by an average of 7% as compared to the 2010 EMPI. The remaining E/M such as distribution transformer, kilowatt-hour meter, linemen tools, and test equipment had maintained their price levels. The 5% contingency was retained to cushion the effect of price differences in the different regions due to handling. Further, unit prices are 12% VAT inclusive.

Attached is the 2012 EMPI, consisting of 262 items, for your easy reference. For any query/clarification, please contact the Accelerated Total Electrification Office (ATEO) through telephone number (02) 9292040 or through email address: nea\_comcenrdo@yahoo.com.ph

For your information and guidance.

*Edita S. Bueno*  
**EDITA S. BUENO**  
Administrator

NATIONAL ELECTRIFICATION  
ADMINISTRATION

IN REPLYING, PLS. CITE: #CR020304



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

**EQUIPMENT / MATERIAL PRICE INDEX 2012 (EMPI 2012)**

NUMBER	DESCRIPTION	UNIT COST
1	Anchor, Expanding, 10,000 Pounds, 8 Ways, Galvanized Steel	521.85
2	Attachment, Guy, Malleable Type with 1 1/16" Hole Diameter	108.29
3	Bolt, Carriage 3/8" X 4-1/2"	10.02
4	Bolt, Clevis, 5/8" X 12"	34.66
5	Bolt, Clevis, 5/8" X 14"	83.63
6	Bolt, Double Arming, 5/8" X 16"	71.34
7	Bolt, Double Arming, 5/8" X 18"	76.27
8	Bolt, Double Arming, 5/8" X 20"	83.84
9	Bolt, Double Arming, 5/8" X 22"	84.45
10	Bolt, Double Arming, 5/8" X 24"	94.03
11	Bolt, Double Arming, 5/8" X 26"	94.82
12	Bolt, Double Upset, 5/8" X 8"	81.47
13	Bolt, Double Upset, 5/8" X 9"	83.50
14	Bolt, Double Upset, 5/8" X 10"	87.24
15	Bolt, Double Upset, 5/8" X 12"	92.76
16	Bolt, Double Upset, 5/8" X 14"	96.00
17	Bolt, Single Upset, 5/8" X 10"	71.50
18	Bolt, Single Upset, 5/8" X 12"	77.00
19	Bolt, Single Upset, 5/8" X 14"	82.50
20	Bolt, Machine, 1/2" X 4"	10.40
21	Bolt, Machine, 1/2" X 6"	18.01
22	Bolt, Machine, 1/2" X 8"	20.85
23	Bolt, Machine, 1/2" X 10"	24.42
24	Bolt, Machine, 1/2" X 12"	29.19
25	Bolt, Machine, 3/4" X 10"	34.52
26	Bolt, Machine, 5/8" X 5"	21.85
27	Bolt, Machine, 5/8" X 6"	33.92
28	Bolt, Machine, 5/8" X 8"	32.84
29	Bolt, Machine, 5/8" X 9"	37.00
30	Bolt, Machine, 5/8" X 10"	41.99
31	Bolt, Machine, 5/8" X 12"	42.31
32	Bolt, Machine, 5/8" X 14"	46.27
33	Bolt, Machine, 5/8" X 16"	51.70
34	Bolt, Machine, 5/8" X 18"	54.00
35	Bolt, Oval Eye, 3/4" X 10"	75.99
36	Bolt, Oval Eye, 3/4" X 12"	77.00
37	Bolt, Oval Eye, 3/4" X 14"	79.00
38	Bolt, Oval Eye, 5/8" X 8"	74.25
39	Bolt, Oval Eye, 5/8" X 9"	83.45
40	Bolt, Oval Eye, 5/8" X 10"	92.61



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NUMBER	DESCRIPTION	UNIT COST
41	Bolt, Oval Eye, 5/8" X 12"	93.27
42	Bolt, Oval Eye, 5/8" X 14"	92.00
43	Bolt, Oval Eye, 5/8" X 18"	104.11
44	Bolt, Shoulder Eye, 3/4" X 14"	75.00
45	Bolt, Single Upset, 5/8" X 8"	80.69
46	Bolt, Single Upset, 5/8" X 9"	84.04
47	Bolt, Single Upset, 5/8" X 10"	86.85
48	Bolt, Single Upset, 5/8" X 12"	90.23
49	Bolt, Single Upset, 5/8" X 14"	91.25
50	Bolt, Thimble Eye, 5/8" X 8", Straight Type	66.00
51	Bolt, Thimble Eye, 5/8" X 9", Straight Type	72.88
52	Bolt, Thimble Eye, 5/8" X 10", Straight Type	85.00
53	Bolt, Thimble Eye, 5/8" X 12", Straight Type	92.10
54	Brace, Crossarm, 28", Steel or Wood	96.49
55	Brace, Sidearm, Diagonal, 7 Feet	818.72
56	Brace, Sidearm, Vertical	580.74
57	Bracket, Clevis Deadend Without Spool	89.41
58	Bracket, Transformer	737.50
59	Bracket, Transformer, Secondary, With 1-3/4" Spool	88.43
60	Clamp, Anchor Bonding, Single Eye Rod, 5/8	39.73
61	Clamp, Deadend Strain, #2 ACSR	434.25
62	Clamp, Deadend Strain, #4 ACSR	310.50
63	Clamp, Deadend Strain, #1/0 ACSR	343.00
64	Clamp, Deadend Strain, #2/0 ACSR	370.00
65	Clamp, Deadend Strain, #4/0 ACSR	378.45
66	Clamp, Groundwire, Deadend, Strain, Clevis Type	290.00
67	Clamp, Guy Bond	135.00
68	Clamp, Guy Straight, 3 Bolt, Heavy Duty Steel	145.31
69	Clamp, Hot Line, #2 - #4/0 ACSR	425.00
70	Clamp, Loop Deadend, #2 ACSR	35.00
71	Clamp, Loop Deadend, #4 ACSR	30.00
72	Clamp, Loop Deadend, #6 ACSR	22.00
73	Clamp, Loop Deadend, #1/0 ACSR	40.00
74	Clamp, Loop Deadend, #2/0 ACSR	68.33
75	Clamp, Pole, Single Support	297.78
76	Clamp, Suspension, Aluminum Alloy Clevis, 2 Bolts #2/0 ACSR Max.	391.30
77	Clevis, Secondary Swinging Without Spool	68.76
78	Clevis, Service, Deadend Without Spool	52.97
79	Clevis, Service, Swinging Without Spool	57.58
80	Clip, Groundwire	5.05



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NUMBER	DESCRIPTION	UNIT COST
81	Clip, Guy Wire	8.70
82	Connector, Compression, #1/0 - #2/0 ACSR Run To #1/0 - #2/0	30.81
83	Connector, Compression, #2 - #4/0 ACSR Run To #6 - #2	81.33
84	Connector, Compression, #2/0 - #4/0 ACSR Run To #2/0 - #4/0	116.50
85	Connector, Compression, #6 - #1/0 ACSR Run To #6 - #2	39.35
86	Connector, Compression, #6 - #4 ACSR Run To #6 - #4	28.00
87	Connector, Ground Rod (Clamp) For 5/8" Steel Rod	19.41
88	Connector, Split Bolt	141.51
89	Cutout , Fuse, Single-Shot	2,588.33
90	Cutout And Arrester Combination	4,674.00
91	Deadend Grip, Guy, 3/8"	144.00
92	Deadend Grip, Guy, 5/16"	100.00
93	Deadend Service, Wedge Type, #4 ACSR Conductor (Maximum)	19.00
94	Hook, Guy	36.33
95	Insulator, Pin Type, Porcelain, ANSI, Class 55 - 3	130.56
96	Insulator, Pin Type, Porcelain, ANSI, Class 55 - 5	176.60
97	Insulator, Post Type With 7" Stud	90.00
98	Insulator, Spool, 1-3/4", ANSI, Class 53 - 2	16.33
99	Insulator, Spool, 1-3/8", ANSI, Class 53 - 1	15.93
100	Insulator, Spool, 3", ANSI, Class 53 - 4	31.43
101	Insulator, Suspension, 5-3/4" X 10"	368.00
102	Insulator, Suspension, 6", Clevis Type, ANSI Class 52-1	210.09
103	Lag, Screw, 1/2" X 4"	17.95
104	Lag, Screw, 1/2" X 6"	18.90
105	Link, Fuse, Universal, Bottom Head, Type K, 2 Amperes	97.22
106	Link, Fuse, Universal, Bottom Head, Type K, 3 Amperes	103.94
107	Link, Fuse, Universal, Bottom Head, Type K, 6 Amperes	105.47
108	Link, Fuse, Universal, Bottom Head, Type K, 8 Amperes	106.00
109	Link, Fuse, Universal, Bottom Head, Type K, 10 Amperes	106.10
110	Link, Fuse, Universal, Bottom Head, Type K, 12 Amperes	107.92
111	Link, Fuse, Universal, Bottom Head, Type K, 15 Amperes	110.29
112	Link, Fuse, Universal, Bottom Head, Type K, 20 Amperes	113.25
113	Link, Fuse, Universal, Bottom Head, Type K, 25 Amperes	119.74
114	Link, Fuse, Universal, Bottom Head, Type K, 30 Amperes	122.19
115	Link, Fuse, Universal, Bottom Head, Type K, 35 Amperes	134.24
116	Link, Fuse, Universal, Bottom Head, Type K, 40 Amperes	137.98
117	Link, Fuse, Universal, Bottom Head, Type K, 45 Amperes	132.00
118	Meter, KWH, 1 Phase, Class 2, 240 V, Bottom Connected	818.57
119	Meter, KWH, 1 Phase, Class 100, 2 W, 240 V, 60 Hz., 15 A, Form 1S	1,768.69
120	Meter, KWH, 1 Phase, Class 200, 3 W, 240 V, 60 Hz., 30 A, Form 2S	1,916.50



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## EQUIPMENT / MATERIAL PRICE INDEX 2012 (EMPI 2012)

NUMBER	DESCRIPTION	UNIT COST
121	Meter, KWH, 3 Phase, Class 20, 240 V, 4 Wire, Form 9S	14,549.67
122	Meter, KWH, 3 Phase, Class 200, 3 W, 240 V, 30 A, Form 12S	17,027.50
123	Meter, KWH, 3 Phase, Electronic, Form 48A, 120/480 v	28,000.00
124	Nut, Eye, 5/8", Conventional	73.27
125	Nut, Lock, Mf Type, 1/2"	8.48
126	Nut, Lock, Mf Type, 3/4"	8.50
127	Nut, Lock, Mf Type, 3/8"	7.31
128	Nut, Lock, Mf Type, 5/8"	8.12
129	Nut, Thimble Eye, 5/8" Single Eye	75.68
130	Pin, Crossarm, Clamp Type, 1" Thread Diameter	350.00
131	Pin, Crossarm, Long Shank, 1" Thread Diameter	159.78
132	Pin, Crossarm, Steel, 5/8" X 10-3/4"	92.85
133	Pin, Pole Top, Channel, 1" Thread, 20" Long	147.13
134	Plate, Grounding Pole, Butt Type	62.39
135	Plate, Guy	34.50
136	Plate, Reinforcing, Crossarm, 6" X 8"	145.00
137	Rod, Anchor, Threaded, Double Eye, 1" X 10'	328.25
138	Rod, Anchor, Threaded, Double Eye, 3/4" X 8'	450.00
139	Rod, Anchor, Threaded, Single Eye, 3/4" X 8'	504.00
140	Rod, Anchor, Threaded, Single Eye, 5/8" X 7'	332.39
141	Rod, Armor, Preformed, #2 ACSR, Single Support	242.33
142	Rod, Armor, Preformed, #2 ACSR, Double Support	316.50
143	Rod, Tapping, Preformed, #2 ACSR	170.00
144	Rod, Armor, Preformed, #1/0 ACSR, Double Support	311.50
145	Rod, Armor, Preformed, #2/0 ACSR, Single Support	465.25
146	Rod, Armor, Preformed, #2/0 ACSR, Double Support	388.00
147	Rod, Ground Steel, Galvanized, 5/8" X 8'	335.50
148	Rod, Ground Steel, Galvanized, 5/8" X 10'	385.89
149	Shackle, Anchor, Forged Steel, Galvanized	266.45
150	Spacer, Pipe, 3/4" X 1-1/2"	5.88
151	Staple, Groundwire, 1/2" X 2" (LB)	128.26
152	Strap, Band-it, Steel, 1/2"	27.68
153	Washer, Round, 1-3/8" Diameter with 9/16" Diameter Hole	5.55
154	Washer, Square, Curve, 4" X 4" X 1/4" with 15/16" Diameter Hole	39.30
155	Washer, Square, Curved, 3" X 3" X 5/16" with 11/16" Diameter Hole	19.77
156	Washer, Square, Flat, 2-1/4" X 2-1/4" X 3/16", with 13/16" Diameter Hole	13.08
157	Washer, Square, Flat, 4" X 4" X 3/16"	21.45
158	Wire, Grounding, Aluminum Alloy, 3 Strand, #4 AWG (Feet)	5.57
159	Wire, Grounding, Galvanized, 3 Strand, 5/16" Diameter (Feet)	8.56
160	Wire, Guy, Steel, 3/8", 7 Strand (Feet)	19.65



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NUMBER	DESCRIPTION	UNIT COST
161	Wire, Guy, Steel, 7/16", 7 Strand (Feet)	44.50
162	Wire, Holder, Service, #22 X 2-1/2", Wood Screw	20.30
163	Wire, Tape, Armor, Aluminum Alloy, 0.5" X 0.3" (Feet)	8.78
164	Wire, Tie, Aluminum Alloy, Soft, #4 AWG (Feet)	12.49
165	Conductor, Bare, ACSR #2, AWG 6/1 (Meters)	21.32
166	Conductor, Bare, ACSR #4, AWG 6/1 (Meters)	18.00
167	Conductor, Bare, ACSR #1/0, AWG 6/1 (Meters)	30.14
168	Conductor, Bare, ACSR #2/0, AWG 6/1 (Meters)	38.68
169	Conductor, Bare, ACSR #3/0, AWG 6/1 (Meters)	41.83
170	Conductor, Bare, ACSR #4/0, AWG 6/1 (Meters)	61.65
171	Conductor, Bare, ACSR #336.4, MCM 26/7 STD (Meters)	106.27
172	Conductor, Insulated, ACSR #2, AWG 6/1 (Meters)	38.73
173	Conductor, Insulated, ACSR #1/0, AWG 6/1 (Meters)	49.10
174	Conductor, Insulated, ACSR #2/0, AWG 6/1 (Meters)	55.75
175	Conductor, Duplex, #2, AWG 6/1 (Meters)	41.58
176	Conductor, Duplex, #6 AWG (Meters)	20.77
177	Conductor, Duplex, #1/0, AWG 6/1 (Meters)	72.24
178	Conductor, Duplex, #2/0, AWG 6/1 (Meters)	90.57
179	Transformer, Pole Type, CSP, 5 KVA	44,000.00
180	Transformer, Pole Type, CSP, 10 KVA	48,144.67
181	Transformer, Pole Type, CSP, 15 KVA	60,595.00
182	Transformer, Pole Type, CSP, 25 KVA	74,081.67
183	Transformer, Pole Type, CSP, 50 KVA	84,821.43
184	Transformer, Pole Type, Conventional, 5 KVA	31,000.00
185	Transformer, Pole Type, Conventional, 10 KVA	48,430.00
186	Transformer, Pole Type, Conventional, 15 KVA	59,638.33
187	Transformer, Pole Type, Conventional, 25 KVA	77,380.00
188	Transformer, Pole Type, Conventional, 37.5 KVA	94,467.00
189	Transformer, Pole Type, Conventional, 50 KVA	110,435.00
190	Transformer, Pole Type, Conventional, 75 KVA	139,726.19
191	Transformer, Pole Type, Conventional, 100 KVA	156,236.34
192	Pole, Concrete, 25'	6,944.00
193	Pole, Steel, 25', Standard	7,063.25
194	Pole, Wood, 25', Standard	7,306.00
195	Pole, Concrete, 30'	10,288.00
196	Pole, Steel, 30', Standard	10,204.05
197	Pole, Wood, 30', Standard	11,341.94
198	Pole, Concrete, 35'	12,303.89
199	Pole, Steel, 35', Standard	12,716.92
200	Pole, Wood, 35', Standard	12,792.84



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## EQUIPMENT / MATERIAL PRICE INDEX 2012 (EMPI 2012)

NUMBER	DESCRIPTION	UNIT COST
201	Pole, Concrete, 40'	19,622.00
202	Pole, Steel, 40', Standard	17,395.25
203	Pole, Wood, 40', Standard	17,491.41
204	Pole, Concrete, 45'	20,420.75
205	Pole, Wood, 45', Standard	18,387.20
206	Pole, Concrete, 50', Standard	24,552.32
207	Pole, Steel, 50', Standard	27,149.20
208	Pole, Wood, 50', Standard	26,843.44
209	Pole, Steel, 55', Standard	45,798.50
210	Pole, Wood, 55', Standard	33,196.80
211	Pole, Concrete, 60', Standard	56,143.36
212	Pole, Steel, 60', Standard	69,605.47
213	Pole, Steel, 65', Standard	72,009.60
214	Log, Anchor, 8" X 4'	727.40
215	Anchor, Concrete Block	647.50
216	Crossarm, Wood, 3-3/4" X 4-3/4" X 8'	1,334.00
217	Crossarm, Wood, 3-3/4" X 4-3/4" X 10'	1,500.00
218	Crossarm, Wood, 3-1/2" X 4-1/2" X 8'	1,287.17
219	Crossarm, Steel, 8'	1,260.20
220	Crossarm, Steel, 10'	1,591.13
221	Airbreak switch, 15 kV	79,000.00
222	Capacitor, 150 kvar	18,662.43
223	Capacitor, 100 kvar	16,250.00
224	Capacitor, 50 kvar	12,465.46
225	Transformer, Current, Outdoor, 15kV, 25:5 Ratio	39,500.00
226	Transformer, Current, Outdoor, 15kV, 50:5 Ratio	46,333.33
227	Transformer, Current, Outdoor, 600V, 200:5 Ratio	4,160.33
228	Transformer, Current, Outdoor, 600V, 300:5 Ratio	4,375.00
229	Transformer, Potential, Outdoor, 15kV, 70:1 Ratio	39,134.75
230	Lamp, High Pressure Sodium, 70 W, 240 V	315.18
231	Grounding Set, Single Phase	139,555.55
232	Switch Stick, Hot Tool	21,504.00
233	Clamp Stick, Hot Tool	38,100.00
234	Chain Hoist, 2 Tons	19,869.00
235	Mechanical Compression Tool and Die	23,037.50
236	Hydraulic Compression Tool and Die	15,675.29
237	Transformer Gin	36,960.00
238	Rubber Globe, Protectors, Size 9	182.73
239	Rubber Globe, Protectors, Size 10	277.04
240	Leather Work Globe, Lineman Size 9	328.48



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NUMBER	DESCRIPTION	UNIT COST
241	Leather Work Globe, Lineman Size 10	328.48
242	Safety Cap	300.56
243	Body Belt Lineman, Size 9-10	9,909.67
244	Climbers, Lineman	30,480.80
245	Safety Strap, Lineman	3,121.42
246	Pliers, Side Cutting	1,582.50
247	Wrench Adjustable	1,528.67
248	DC Hi-Pot Test Set	550,840.00
249	Earth Resistance Tester	111,570.00
250	Insulation Resistance Tester (Megger)	66,225.00
251	Die-electric Oil Tester	541,856.00
252	Digital Data Logger	485,000.00
253	Digital Multimeter	49,137.00
254	Thermal Scanner	943,200.00
255	Clamp Tester	20,655.00
256	Meter Test Set	448,720.15
257	Portable Polyphase watt/var meter	328,000.00
258	Transformer Loss Tester	342,635.64
259	Transformer Turns Ratio Tester	302,124.00
260	Hanger (Bracket), Cluster Type	2,400.00
261	Secondary Rack, 2w	258.00
262	Secondary Rack, 3w	406.00

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