



Republic of the Philippines
National Electrification Administration

11 March 2010

MEMORANDUM No. 2010-010

TO : ALL ELECTRIC COOPERATIVES
SUBJECT : PRICE INDEX FOR CY 2010

The National Electrification Administration (NEA) is issuing updated and expanded edition of Equipment/Materials Price Index (EMPI) in order to reflect the current costs of Equipment and Materials (E/M) being used by the Electric Cooperatives (ECs). The EMPI will basically serve as a tool for NEA in the evaluation of RE and CAPEX Projects of the ECs which maybe funded either through subsidies or loans from NEA beginning CY 2010.

A total of twenty eight (28) ECs from Luzon, Visayas and Mindanao were surveyed, twenty two (22) of which responded in the said request. The Working Committee has decided to adopt the average method in the assessment of E/M prices submitted by the respondent ECs. The result showed a price drop on major items and considering price volatility, a reduction of 10% for poles and conductors was adopted, for distribution transformers the prices remain the same as compared to the 2008 EMPI, while prices for the rest of the E/M had changes slightly.

The contingency computed at 5% of Total Material Cost was retained in NEA's evaluation of Budget Request to cushion the effect of stated price movements and discrepancies in the different regions. Furthermore, there are seventy seven (77) new items added in the price index which includes substations, protective equipment, tools, and testing equipment.

Attached is the CY 2010 EMPI which can be used by ECs in their procurements of E/M. For any information on prices of E/M, which was found much higher or lower than indicated, please advise the NEA Engineering Department for proper dissemination.

For your information and guidance.

Edita S. Bueno
EDITA S. BUENO
Administrator

NATIONAL ELECTRIFICATION
ADMINISTRATION

IN REPLYING, PLS. CITE: #OR016242



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CY 2010 E/M PRICE INDEX

No.	DESCRIPTION	Unit Cost
1	Anchor, Expanding, 10,000 Pounds, 8 Ways, Galvanized Steel	521.85
2	Attachment, Guy, Malleable Type with 11/16" Hole Diameter	76.19
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"	52.50
7	Bolt, Double Arming, 5/8" X 18"	67.59
8	Bolt, Double Arming, 5/8" X 20"	70.69
9	Bolt, Double Arming, 5/8" X 22"	71.48
10	Bolt, Double Arming, 5/8" X 24"	83.56
11	Bolt, Double Arming, 5/8" X 26"	94.82
12	Bolt, Double Upset, 5/8" X 8"	64.47
13	Bolt, Double Upset, 5/8" X 9"	70.00
14	Bolt, Double Upset, 5/8" X 10"	87.24
15	Bolt, Double Upset, 5/8" X 12"	92.00
16	Bolt, Double Upset, 5/8" X 14"	94.00
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"	19.00
23	Bolt, Machine, 1/2" X 10"	23.00
24	Bolt, Machine, 1/2" X 12"	24.97
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"	30.09
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"	39.86
31	Bolt, Machine, 5/8" X 12"	43.00
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"	71.28
39	Bolt, Oval Eye, 5/8" X 9"	83.99
40	Bolt, Oval Eye, 5/8" X 10"	84.00
41	Bolt, Oval Eye, 5/8" X 12"	85.44
42	Bolt, Oval Eye, 5/8" X 14"	92.00
43	Bolt, Oval Eye, 5/8" X 18"	102.88
44	Bolt, Shoulder Eye, 3/4" X 14"	75.00
45	Bolt, Single Upset, 5/8" X 8"	80.41
46	Bolt, Single Upset, 5/8" X 9"	84.04

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CY 2010 E/M PRICE INDEX

No.	DESCRIPTION	Unit Cost
47	Bolt, Single Upset, 5/8" X 10"	86.85
48	Bolt, Single Upset, 5/8" X 12"	88.00
49	Bolt, Single Upset, 5/8" X 14"	90.00
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	78.48
53	Bolt, Thimble Eye, 5/8" X 12", Straight Type	81.43
54	Brace, Crossarm, 28", Steel or Wood	96.49
55	Brace, Sidearm, Diagonal, 7 Feet	522.40
56	Brace, Sidearm, Vertical	364.24
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	320.00
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	410.21
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	39.96
74	Clamp, Loop Deadend, #2/0 ACSR	43.54
75	Clamp, Pole, Single Support	297.78
76	Clamp, Suspension, Aluminum Alloy Clevis, 2 Bolts #2/0 ACSR Max.	371.64
77	Clevis, Secondary Swinging Without Spool	68.76
78	Clevis, Service, Deadend Without Spool	28.54
79	Clevis, Service, Swinging Without Spool	30.50
80	Clip, Groundwire	1.28
81	Clip, Guy Wire	8.70
82	Connector, Compression, #1/0 - #2/0 ACSR Run To #1/0 - #2/0	29.00
83	Connector, Compression, #2 - #4/0 ACSR Run To #6 - #2	30.67
84	Connector, Compression, #2/0 - #4/0 ACSR Run To #2/0 - #4/0	31.75
85	Connector, Compression, #6 - #1/0 ACSR Run To #6 - #2	14.61
86	Connector, Compression, #6 - #4 ACSR Run To #6 - #4	28.00
87	Connector, Ground Rod (Clamp) For 5/8" Steel Rod	16.28
88	Connector, Split Bolt	102.31
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

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CY 2010 E/M PRICE INDEX

No.	DESCRIPTION	Unit Cost
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	160.08
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"	351.63
102	Insulator, Suspension, 6", Clevis Type, ANSI Class 52-1	200.74
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	121.26
114	Link, Fuse, Universal, Bottom Head, Type K, 30 Amperes	122.19
115	Link, Fuse, Universal, Bottom Head, Type K, 35 Amperes	127.00
116	Link, Fuse, Universal, Bottom Head, Type K, 40 Amperes	130.00
117	Link, Fuse, Universal, Bottom Head, Type K, 45 Amperes	132.00
118	Meter, KWH, 1 Phase, Class 2, 240 V, 30 A, Bottom Connected	818.57
119	Meter, KWH, Electronic, 1 Phase, 240 V, Class 2 (socket type)	1,544.98
120	Meter, KWH, 1 Phase, Class 100, 2 W, 240 V, 60 Hz., 15 A, Form 1S	1,768.69
121	Meter, KWH, 1 Phase, Class 200, 3 W, 240 V, 60 Hz., 30 A, Form 2S	1,916.50
122	Meter, KWH, 3 Phase, Class 20, 240 V, 4 Wire, Form 9S	14,549.67
123	Meter, KWH, 3 Phase, Class 200, 3 W, 240 V, 30 A, Form 12S	17,027.50
124	Meter, KWH, 3 Phase, Electronic, Form 48A, 120/480 v	28,000.00
125	Nut, Eye, 5/8", Conventional	73.27
126	Nut, Lock, Mf Type, 1/2"	3.35
127	Nut, Lock, Mf Type, 3/4"	4.17
128	Nut, Lock, Mf Type, 3/8"	6.00
129	Nut, Lock, Mf Type, 5/8"	8.34
130	Nut, Thimble Eye, 5/8" Single Eye	44.68
131	Pin, Crossarm, Clamp Type, 1" Thread Diameter	305.84
132	Pin, Crossarm, Long Shank, 1" Thread Diameter	159.78
133	Pin, Crossarm, Steel, 5/8" X 10-3/4"	90.60
134	Pin, Pole Top, Channel, 1" Thread, 20" Long	147.13
135	Plate, Grounding Pole, Butt Type	62.39
136	Plate, Guy	33.33
137	Plate, Reinforcing, Crossarm, 6" X 8"	145.00
138	Rod, Anchor, Threaded, Double Eye, 1" X 10'	328.25

CY 2010 E/M PRICE INDEX

No.	DESCRIPTION	Unit Cost
139	Rod, Anchor, Threaded, Double Eye, 3/4" X 8'	450.00
140	Rod, Anchor, Threaded, Single Eye, 3/4" X 8'	291.50
141	Rod, Anchor, Threaded, Single Eye, 5/8" X 7'	307.98
142	Rod, Armor, Preformed, #2 ACSR, Single Support	242.33
143	Rod, Armor, Preformed, #2 ACSR, Double Support	316.50
144	Rod, Tapping, Preformed, #2 ACSR	170.00
145	Rod, Armor, Preformed, #1/0 ACSR, Double Support	311.50
146	Rod, Armor, Preformed, #2/0 ACSR, Single Support	465.25
147	Rod, Armor, Preformed, #2/0 ACSR, Double Support	268.34
148	Rod, Ground Steel, Galvanized, 5/8" X 8'	335.50
149	Rod, Ground Steel, Galvanized, 5/8" X 10'	385.89
150	Shackle, Anchor, Forged Steel, Galvanized	266.45
151	Spacer, Pipe, 3/4" X 1-1/2"	5.88
152	Staple, Groundwire, 1/2" X 2"	1.36
153	Strap, Band-it, Steel, 1/2"	27.68
154	Washer, Round, 1-3/8" Diameter with 9/16" Diameter Hole	5.55
155	Washer, Square, Curve, 4" X 4" X 1/4" with 15/16" Diameter Hole	39.30
156	Washer, Square, Curved, 3" X 3" X 5/16" with 11/16" Diameter Hole	19.77
157	Washer, Square, Flat, 2-1/4" X 2-1/4" X 3/16", with 13/16" Diameter Hole	13.08
158	Washer, Square, Flat, 4" X 4" X 3/16"	21.45
159	Wire, Grounding, Aluminum Alloy, 3 Strand, #4 AWG (Feet)	5.57
160	Wire, Grounding, Galvanized, 3 Strand, 5/16" Diameter (Feet)	6.86
161	Wire, Guy, Steel, 3/8", 7 Strand (Feet)	19.65
162	Wire, Guy, Steel, 7/16", 7 Strand (Feet)	35.40
163	Wire, Holder, Service, #22 X 2-1/2", Wood Screw	20.30
164	Wire, Tape, Armor, Aluminum Alloy, 0.5" X 0.3" (Feet)	8.78
165	Wire, Tie, Aluminum Alloy, Soft, #4 AWG (Feet)	6.77
166	Conductor, Bare, ACSR #2, AWG 6/1 (Meters)	21.17
167	Conductor, Bare, ACSR #4, AWG 6/1 (Meters)	13.97
168	Conductor, Bare, ACSR #1/0, AWG 6/1 (Meters)	30.14
169	Conductor, Bare, ACSR #2/0, AWG 6/1 (Meters)	38.68
170	Conductor, Bare, ACSR #3/0, AWG 6/1 (Meters)	41.83
171	Conductor, Bare, ACSR #4/0, AWG 6/1 (Meters)	61.65
172	Conductor, Bare, ACSR #336.4, MCM 26/7 STD (Meters)	106.27
173	Conductor, Insulated, ACSR #2, AWG 6/1 (Meters)	33.52
174	Conductor, Insulated, ACSR #1/0, AWG 6/1 (Meters)	49.10
175	Conductor, Insulated, ACSR #2/0, AWG 6/1 (Meters)	55.75
176	Conductor, Duplex, #2, AWG 6/1 (Meters)	41.58
177	Conductor, Duplex, #6 AWG (Meters)	20.77
178	Conductor, Duplex, #1/0, AWG 6/1 (Meters)	72.24
179	Conductor, Duplex, #2/0, AWG 6/1 (Meters)	90.57
180	Transformer, Pole Type, CSP, 5 KVA	44,000.00
181	Transformer, Pole Type, CSP, 10 KVA	48,144.67
182	Transformer, Pole Type, CSP, 15 KVA	60,595.00
183	Transformer, Pole Type, CSP, 25 KVA	74,081.67
184	Transformer, Pole Type, CSP, 50 KVA	84,821.43

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CY 2010 E/M PRICE INDEX

No.	DESCRIPTION	Unit Cost
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'	6,624.80
193	Pole, Steel, 25', Standard	6,694.90
194	Pole, Wood, 25', Standard	6,448.00
195	Pole, Concrete, 30'	8,955.59
196	Pole, Steel, 30', Standard	9,879.22
197	Pole, Wood, 30', Standard	8,840.09
198	Pole, Wood, 30', Light Weight	5,475.68
199	Pole, Concrete, 35'	12,303.89
200	Pole, Steel, 35', Standard	13,038.74
201	Pole, Wood, 35', Standard	11,582.48
202	Pole, Wood, 35', Light Weight	6,664.66
203	Pole, Concrete, 40'	15,025.92
204	Pole, Steel, 40', Standard	17,395.25
205	Pole, Wood, 40', Standard	17,491.41
206	Pole, Concrete, 45'	20,420.75
207	Pole, Wood, 45', Standard	18,387.20
208	Pole, Concrete, 50', Standard	24,552.32
209	Pole, Steel, 50', Standard	27,149.20
210	Pole, Wood, 50', Standard	26,843.44
211	Pole, Steel, 55', Standard	59,800.00
212	Pole, Wood, 55', Standard	33,196.80
213	Pole, Concrete, 60', Standard	56,143.36
214	Pole, Steel, 60', Standard	69,605.47
215	Pole, Steel, 65', Standard	72,009.60
216	Log, Anchor, 8" X 4'	673.44
217	Anchor, Concrete Block	419.00
218	Crossarm, Wood, 3-3/4" X 4-3/4" X 8'	1,334.00
219	Crossarm, Wood, 3-3/4" X 4-3/4" X 10'	1,500.00
220	Crossarm, Wood, 3-1/2" X 4-1/2" X 8'	1,250.00
221	Crossarm, Steel, 8'	1,260.20
222	Crossarm, Steel, 10'	1,547.86
223	Airbreak switch, 15 kV	79,000.00
224	Capacitor, 150 kvar	18,662.43
225	Capacitor, 100 kvar	16,250.00
226	Capacitor, 50 kvar	12,465.46
227	Transformer, Current, Outdoor, 15kV, 25:5 Ratio	39,500.00
228	Transformer, Current, Outdoor, 15kV, 50:5 Ratio	46,333.33
229	Transformer, Current, Outdoor, 600V, 200:5 Ratio	4,160.33
230	Transformer, Current, Outdoor, 600V, 300:5 Ratio	4,375.00

CY 2010 E/M PRICE INDEX

No.	DESCRIPTION	Unit Cost
231	Transformer, Potential, Outdoor, 15kV, 70:1 Ratio	39,134.75
232	Lamp, High Pressure Sodium, 70 W, 240 V	315.18
233	Grips, Conductor, 0.53"-0.74"	3,252.64
234	Grips, Guy	5,929.80
235	Grounding Set, Single Phase	139,555.55
236	Switch Stick, Hot Tool	21,504.00
237	Clamp Stick, Hot Tool	25,516.67
238	Chain Hoist, 2 Tons	19,869.00
239	Mechanical Compression Tool and Die	23,037.50
240	Hydraulic Compression Tool and Die	15,675.29
241	Transformer Gin	36,960.00
242	Rubber Globe, Protectors, Size 9	182.73
243	Rubber Globe, Protectors, Size 10	277.04
244	Leather Work Globe, Lineman Size 9	328.48
245	Leather Work Globe, Lineman Size 10	328.48
246	Safety Cap	300.56
247	Body Belt Lineman, Size 9-10	9,909.67
248	Climbers, Lineman	30,480.80
249	Safety Strap, Lineman	3,121.42
250	Pliers, Side Cutting	1,582.50
251	Wrench Adjustable	1,528.67
252	DC Hi-Pot Test Set	550,840.00
253	Earth Resistance Tester	111,570.00
254	Insulation Resistance Tester (Megger)	66,225.00
255	Dielectric Oil Tester	541,856.00
256	Digital Data Logger	485,000.00
257	Digital Multimeter	49,137.00
258	Thermal Scanner	943,200.00
259	Clamp Tester	20,655.00
260	Meter Test Set	448,720.15
261	Portable Polyphase watt/var meter	328,000.00
262	Transformer Loss Tester	342,635.64
263	Transformer Turns Ratio Tester	302,124.00
264	Hanger (Bracket), Cluster Type	2,400.00
265	Secondary Rack, 2w	258.00
266	Secondary Rack, 3w	406.00
267	Substation, 5 MVA, 69/13.2 KV, delta wye grounded (complete)	17,192,224.32
268	Substation, 10 MVA, 69/13.2 KV, delta wye grounded (complete)	24,468,449.57
269	Substation, 20 MVA, 69/13.2 KV, delta wye grounded (complete)	39,001,848.00

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