



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Indian Companies Act, 1956)

Reg. Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram – 695 004,
CIN :U40100KL2011SGC027424, website: www.kseb.in

Corporate Office (Audit)

5th Floor, Vidyuthi Bhavanam, Pattom, Thiruvananthapuram – 695 004,
Phone No. : 0471-2514248, Fax : 0471-2558584
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No.CIA/ WAD-11/TRSMN.COST DATA -2016-'17

CERTIFICATE

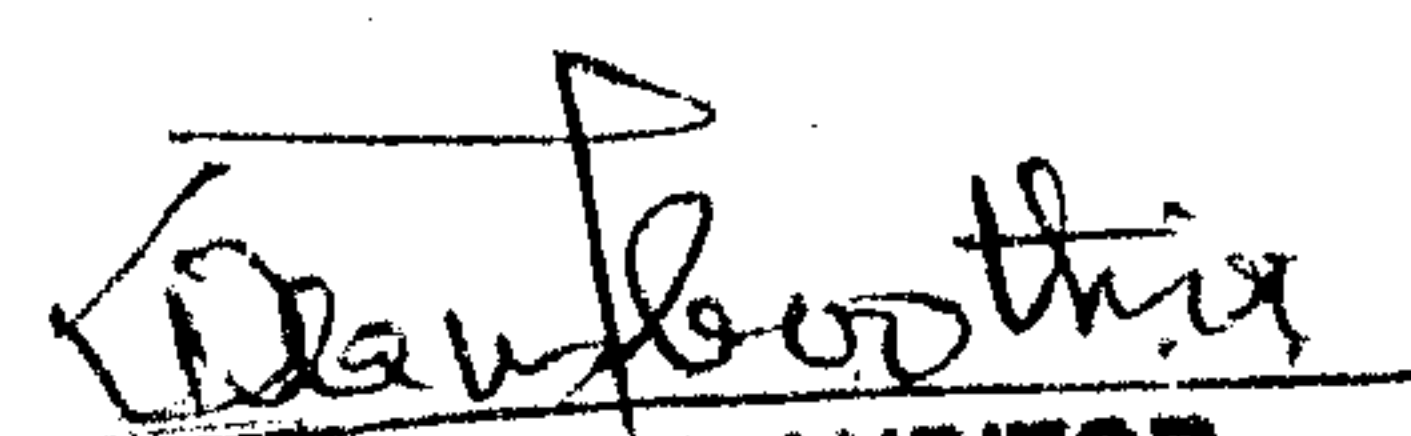
This is to certify that the list of Cost Data for the first half year-2016-'17, which contains 201 items of transmission materials, forwarded by the Chief Engineer (SCM), vide Lr. No. SCM/TA 41/Cost data/16-17, dated, 08/05/2016, has been verified with the records made available in the Office of the Chief Engineer (SCM) and it is prepared according to the directions as envisaged in the Board Order (FM) No.1748/2011(KSE Board/TRAC/S.CODE/SCC/R2/09), dated, 13.07.2011 and circular No. KSE Board/TRAC/S CODE/SCC/R2/09/502, dated, 13.07.2011. The materials for which no purchases were effected during previous six months (01-10-2015 to 31-03-2016), costs as per the previous Cost Data were seen included in the list.


Thiruvananthapuram,
04 -06-2016

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Cost data of transmission materials for the first half year 2016-17, based on weighted average procurement cost as on 31.3.2016

Sl. No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order)
1	400kV SF ₆ Circuit Breaker	no.	27,88,078.00	8.3.2016
2	220kV SF ₆ Circuit Breaker with structure	no.	12,99,676.00	8.3.2016
3	110kV SF ₆ Circuit Breaker with structure	no.	5,69,164.00	8.3.2016
4	66kV SF ₆ Circuit Breaker with structure	no.	4,44,368.00	8.3.2016
5	11kV SF ₆ Circuit Breaker with density switch	no.	3,79,668.00	12.1.2012
6	11kV Potential Transformer	no.	26,435.00	19.1.2016
7	66kV Potential Transformer without structure	no.	49,739.00	25.6.2015
8	33kV Potential Transformer with out structure	no.	22,568.00	25.6.2015
9	220kV Potential Transformer with out structure	no.	2,21,050.00	19.12.2015
10	110kV Potential Transformer with out structure	no.	97,251.00	19.12.2015
11	110kV Potential Transformer with structure	no.	1,18,579.00	11.2.2016
12	400kV Capacitor Voltage Transformer with out structure		2,76,651.00	23.1.2016
13	220kV Capacitor Voltage Transformer with structure	no.	206948.00	20.10.2014
14	220kV Capacitor Voltage Transformer without structure	no.	1,90,633.00	23.1.2016
15	110kV Capacitor Voltage Transformer with structure	no.	1,860,89.00	20.11.2015
16	66kV Capacitor Voltage Transformer with structure	no.	1,32,668.00	12.12.2013
17	33kV Vaccum Circuit Breaker	no.	2,01,423.00	18.12.2015
18	12x4mm ² Control Cable	Km	4,05,364.00	23.1.2016
19	19x4 mm ² control cable	Km	6,19,296.00	7.1.2014
20	2x4 mm ² control cable	Km	95,233.00	23.1.2016
21	2x2.5mm ² Control Cable	Km	68,839.00	23.1.2016
22	4x2.5mm ² Control Cable	Km	1,10,203.00	23.1.2016
23	6x2.5mm ² Control Cable	Km	1,53,849.00	7.1.2014
24	7x2.5mm ² Control Cable	Km	1,75,447.00	23.1.2016
25	10x2.5mm ² Control Cable	Km	2,29,572.00	7.1.2014
26	12x2.5mm ² Control Cable	Km	2,69,826.00	23.1.2016
27	19x2.5mm ² Control Cable	Km	4,07,074.00	23.1.2016
28	4x4mm ² Control Cable	Km	1,61,070.00	23.1.2016
29	11kV, 1x500 mm ² XLPE UG cable	Km	6,29,590.00	3.2.2015
30	110kV, 1x400 mm ² XLPE UG cable	Km	34,48,610.00	5.7.2014
31	110kV, 1x500mm ² XLPE Aluminium cable	m	2762.00	2.12.2015
32	400kV Lightning Arrestor with out structure	no.	1,28,264.00	26.10.2015
33	220kV Lightning Arrestor with structure	no.	44,962.00	26.10.2015


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Sl. No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order)
34	110kV Lightning Arrestor with structure	no.	38,197.00	12.10.2015
35	66kV Lightning Arrestor	no.	16,213.00	24.1.2015
36	33kV Lightning Arrestor	no.	7,443.00	14.12.2015
37	11kV Lightning Arrestor	no.	2,015.00	2.2.2016
38	160KN Disc Insulator	no.	775.00	22.2.2016
39	120KN Disc Insulator	no.	640.00	23.3.2016
40	90KN Disc Insulator	no.	507.00	23.3.2016
41	70KN Disc Insulator	no.	486.00	23.3.2016
42	45KN Disc Insulator	no.	301.00	12.5.2015
43	11kV Autoreclosure	no.	1,70,534.5, supporting structure - Rs 7300.12	1.1.2011
44	220/110kV,100MVA transformer control & relay panel	sets	7,55,678.00	22.1.2014
45	110/11kV, 12.5MVA transformer control & relay panel	sets	3,96,786.00	11.9.2015
46	110/66kV transformer control and relay panel	sets	3,97,000.00	4.7.2011
47	110/33 kV,16MVA transformer control and relay panel	sets	5,35,554.00	11.9.2015
48	66/33kV,16MVA transformer control & relay panel	sets	5,92,736.00	22.1.2014
49	66/11kV, 10MVA transformer control & relay panel	sets	3,91,737.00	11.9.2015
50	33/11kV transformer control & relay panel	sets	2,30,568.00	3.5.2011
51	220kV feeder control & relay panel	no.	5,87,982.00	30.11.2015
52	220kV Bus coupler panel	no.	2,14,993.00	13.8.2008
53	110kV feeder control & relay panel including	sets	3,90,350.00	30.11.2015
54	66kV feeder control & relay panel	sets	4,74,207.00	15.2.2016
55	33kV feeder control & relay panel	sets	2,38,581.00	12.2.2016
56	33kV 3 panel set	sets	23,77,999.00	27.11.2015
57	33kV 4 panel set	sets	24,84,257.00	31.8.2013
58	11kV 10 panel set with spares suitable for transformer of capacity 16MVA	sets	30,57,197.00	27.11.2015
59	11kV 10 panel set with spares suitable for transformer of capacity 20MVA	sets	31,10,914.00	27.11.2015
60	220kV bus bar protection panel for double bus with bus coupler and 8 bays	no.	2166480.00	16.11.2015
61	220kV bus bar protection panel for double bus with bus coupler and 6 bays	no.	19,68,122.00	16.11.2015
62	220kV bus bar protection panel for single bus with bus Isolator and 6 bays	no.	13,36,989.00	16.11.2015
63	11kV Incomer outdoor cubicle	no.	2,69,689.00	20.12.2010
64	11kV, 800 A AB switch	no.	23,625.00	27.1.2016

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Sl. No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order)
65	11kV, 630 A AB switch	no.	16,800.00	26.2.2015
66	33kV Pin Insulator with pin	sets	900.00	22.1.2016
67	110v, 100 AH, VRLA battery	sets	93,615.00	4.2.2016
68	110v, 200 AH, VRLA battery	sets	97,768.00	5.2.2011
69	100 AH, tubular lead acid battery	sets	1,96,748.00	26.10.2015
70	200 AH, tubular lead acid battery	sets	2,82,449.00	26.10.2015
71	110V,100 AH plante type battery	sets	3,75,062.00	12.8.2015
72	110V,200 AH plante type battery	sets	5,80,140.00	22.3.2016
73	110V,400 AH plante type battery	sets	995278.00	4.2.2016
74	15A Battery charger	no.	60,563.00	22.7.2015
75	30A Battery charger	no.	82,687.00	20.1.2016
76	60A Battery charger	no.	1,09,856.00	20.1.2016
77	ACSR Wolf	Km	1,00,328.00	20.11.2010
78	ACSR Dog	Km	63,442.00	28.4.2011
79	ACSR Moose	Km	3,91,823.00	28.3.2016
80	ACSR Kundah	Km	2,70,613.00	28.3.2016
81	G.I Earth wire (7/3.15 mm dia)	Km	33,212.00	18.4.2015
82	G.I Earth wire (7/3.66 mm dia)	Km	44,000.00	30.6.2015
83	Tower (for both heavy and light angles)	MT	71,817.00	1.8.2015
84	Tower (with light angles only)	MT	71,604.00	1.8.2015
85	Template	MT	65,186.00	23.6.2009
86	Transformer oil	KL	74,896.00	21.1.2016
87	11kV, 3x300mm ² cable	Km	9,16,457.00	3.3.2016
88	33kV,3x300 mm ² cable	Km	14,50,400.00	23.3.2016

Power transformer

89	400kV/220kV/33kV 105 MVA	no.	3,75,61,726.00	2.4.2012
90	220kV/110kV, 66.67 MVA	no.	2,17,73,028.00	6.12.2010
91	220kV/33kV, 100MVA	no.	4,58,40,480.00	16.11.2015
92	110kV/11kV, 12.5MVA	no.	80,51,929.00	24.5.2011
93	110kV/33kV, 16MVA	no.	1,09,30,114.00	8.9.2015
94	110kV/22kV, 25MVA	no.	1,52,03,589.00	3.12.2009
95	110kV/11kV,20MVA	no.	1,13,99,156.00	9.10.2015
96	66kV/33kV, 16MVA	no.	1,25,77,259.00	18.12.2007
97	66kV/11kV, 16MVA	no.	1,17,61,166.00	3.2.2016
98	66kV/11kV, 10MVA	no.	55,01,812.00	13.5.2010
99	33kV/11kV, 5MVA (outdoor)	no.	34,47,040.00	1.12.2015
100	33kV/11kV, 5MVA (indoor)	no.	45,21,614.00	15.7.2014

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Sl. No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order)
101	33kV/11kV, 5MVA outdoor transformer with cable entry box	no.	38,63,036.00	27.5.2015
102	33kV/11kV, 8MVA outdoor transformer with cable entry box	no.	51,99,932.00	29.7.2015

LINE ISOLATORS

103	420kV, 2000A pantograph Isolator with earth switch	no.	2,18,362.00, structure- Rs 21566.14	18.8.2011
104	420kV, 2000A triple pole line Isolator with structure	no.	7,00,657.00	25.4.2012
105	420kV, 2000A single pole line Isolator with structure	no.	2,72,394.00	25.4.2012
106	220kV,1250A triple pole single centre break gang operated Line isolator with Structure(Motorised)	sets	3,41,943.00	12.12.2013
107	220kV 2000A triple pole single centre break gang operated Line Isolator with Structure	sets	3,04,036.00	9.2.2010
108	220kV 1600A triple pole single centre break gang operated Line isolator with out Structure	sets	3,53,944.00	12.2.2016
109	110kV 800A triple pole double break gang operated Line isolator with out Structure	sets	2,16,097.00	22.4.2015
110	66kV, 800A triple pole double break gang operated Line isolator with Structure.	sets	1,11,591.00	29.6.2015
111	33kV, 800A Line isolator with Structure	sets	96,359.00	25.7.2014
112	11kV, 800A Line isolator with Structure	sets	84,742.00	25.7.2014

BUS ISOLATORS

113	220kV,2500A triple pole single centre break gang operated Bus isolator with Structure(Motorised)	sets	5,16,490.00	12.2.2016
114	220kV,1250A triple pole single centre break gang operated Bus isolator with	sets	2,53,091.00	25.7.2015
115	220kV, 2000A triple pole single centre break gang operated Bus isolator with out Structure	sets	2,99,212.00	12.2.2016
116	220kV, 1600A triple pole single centre break gang operated Bus isolator without Structure	sets	2,88,265.00	12.2.2016
117	110kV, 1600A triple pole double break gang operated Bus isolator with out Structure	sets	1,86,680.00	12.2.2016
118	110kV, 1250A triple pole double break Bus isolator with out Structure	sets	1,69,227.00	12.2.2016

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 Thiruvananthapuram

Sl. No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order)
119	110kV, 1200A triple pole double break Bus isolator with Structure	sets	2,05,292.00	5.3.2011
120	110kV, 1200A single pole double break Bus isolator with Structure	sets	1,51,254.00	11.5.2009
121	110kV, 800A triple pole double break gang operated Bus isolator with out Structure	sets	1,82,223.00	7.10.2015
122	110kV, 800A triple pole double break gang operated Bus isolator with Structure	sets	1,41,427.00	11.2.2011
123	66kV, 800A Bus isolator with Structure	sets	1,29,184.00	25.7.2014
124	33kV, 800A Bus isolator with Structure	sets	80,321.00	25.7.2014
125	11kV, 800A Bus isolator without Structure.	sets	51,297.00	25.7.2014

CURRENT TRANSFORMERS

126	400kV Current transformer 2000/1000/500/1A(5C)	no.	6,44,818.00	22.12.2015
127	220kV current transformer 2000-1000-500/1-1-1-1A	no.	2,44,214.00	28.4.2012
128	220kV Current transformer 1600/800/1-1-1-1-1A with out structure	no.	2,60,974.00	19.12.2015
129	220kV Current transformer 1200/600/1-1-1-1-1A with Structure	no.	2,80,038.00	7.12.2012
130	220kV Current transformer 1200/800/1-1-1-1-1A	no.	2,43,761.00	19.12.2015
131	220kV Current Transformer 800/400/1-1-1-1-1A	no.	3,29,282.00	1.8.2014
132	220kV Current Transformer 600/300/1-1-1-1-1A with out Structure	no.	2,43,761.00	19.12.2015
133	220kV Current Transformer 200/1-1-1-1-1A with out Structure	no.	2,36,878.00	19.12.2015
134	110kV Current transformer 1600/800/1-1-1-1-1A with Structure	no.	2,03,686.00	1.8.2014
135	110kV current transformer 1000/500/1-1-1-1-1A	no.	2,21,468.00	27.10.2015
136	110kV Current transformer 1200/600/1-1-1-1-1A	no.	1,44,192.00	21.12.2015
137	110kV Current transformer 800/400/1-1-1-1-1A with Structure	no.	1,63,071.00	1.8.2014
138	110kV Current transformer 400/200/100/1-1-1-1-1A	no.	1,62,724.00	21.12.2015
139	110kV Current transformer 400/200/100/1-1-1-1A	no.	1,07,674.00	8.9.2015
140	110kV Current transformer 300/150/75/1-1-1-1A with Structure	no.	1,75,897.00	1.8.2014


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Sl. No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order)
141	110kV Current transformer 600/300/150/1-1-1-1A with Structure	no.	1,64,646.00	1.8.2014
142	110kV current transformer, 100-50/1A	no.	1,09,054.00	24.1.2015
143	66kV Current transformer 600/300/150/75/1-1-1-1A	no.	79883.00	30.6.2015
144	66kV Current transformer 400/200/100/50/1-1-1-1A	no.	76784.00	30.6.2015
145	33kV Current transformer 400/200/100/1-1-1A	no.	34822.00	24.11.2015
146	33kV CT 400-200-100/1-1-1-1A	no.	32640.00	19.11.2015
147	33kV CT 100/1A	no.	16695.00	30.1.2016
148	33kV outdoor CT 1600/1	no.	40243.00	18.2.2012
149	33kV outdoor CT 200/1	no.	25585.00	9.2.2015

NEUTRAL CURRENT TRANSFORMERS

150	110kV neutral current transformer 400/200/100/1A	no.	23116.00	29.8.2013
151	110kV neutral current transformer 300/150/75/1A	no.	23116.00	29.8.2013
152	66kV neutral current transformer 200/100/1A	no.	23116.00	29.8.2013
153	66kV neutral current transformer 150/75/1A	no.	23116.00	29.8.2013
154	33kV neutral current transformer 400/200/100/1A	no.	18405.00	5.10.2010
	Others			
155	32 mm MS Rod	MT	45728.00	8.9.2015
156	25mm MS Rod	MT	50768.00	20.2.2015
157	11kV, Vaccum circuit breaker, 630A,26.3KA	no.	596940.00	20.2.2016
158	11kV, Vaccum circuit breaker,400A,25KA	no.	328751.00	29.12.2015
159	11kV Vaccum Circuit Breaker 1250A Vaccum Interruption 'Type VG2'	no.	2,01,057.00	11.5.2012
160	11kV XLPE 3x300mm ² heat shrinkable outdoor end joint kit	no.	2485.00	31.10.2015
161	11kV XLPE 3x300mm ² heat shrinkable Indoor end joint kit	no.	2247.00	11.11.2015
162	11kV XLPE 3x300mm ² heat shrinkable Indoor straight joint kit	no.	2748.00	11.11.2015
163	11kV XLPE 3x300mm ² heat shrinkable outdoor straight joint kit	no.	6202.00	20.2.2016
164	11kV XLPE 1x500mm ² heat shrinkable indoor straight joint kit	no.	2405.00	26.10.2015
165	11kV XLPE 1x500mm ² heat shrinkable indoor end joint kit	no.	1208.00	18.2.2016

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166	11kV XLPE 1x500mm ² heat shrinkable outdoor end joint kit	no.	1585.00	8.10.2015
167	11kV XLPE 1x500mm ² heat shrinkable outdoor straight joint kit	no.	4408.00	8.10.2015
168	33kV XLPE 3x300mm ² heat shrinkable outdoor straight joint kit	no.	36000.00	3.10.2015
169	33kV XLPE 3x300mm ² heat shrinkable outdoor cable end joint kit	no.	16000.00	3.10.2015
170	33kV XLPE 3x300mm ² heat shrinkable indoor cable end joint kit	no.	3490.00	5.2.2015
171	33kV XLPE 3x300mm ² heat shrinkable straight joint kit	no.	22103.00	14.10.2013
172	33kV XLPE 3x300mm ² cold shrinkable outdoor cable end joint kit	no.	22900.00	7.5.2014
173	33kV XLPE 3x300mm ² cold shrinkable straight joint kit	no.	50380.00	7.5.2014
174	22kV outdoor CT 400-200-100/5-5-1-1	no.	34125.00	23.5.2014
175	22kV outdoor CT 200-100/5-5	no.	30975.00	23.5.2014
176	11kV CT 1000-500/5-5A	no.	11750.00	13.10.2015
177	11kV CT type 1000-500/1A	no.	11865.00	13.10.2015
178	11kV CT - outdoor type 800-400/1-1A	no.	26,900.00	13.2.2015
179	11kV CT 800/400/1A	no.	40,502.00	9.11.2015
180	11kV CT 800/5A	no.	29,925.00	31.10.2015
181	11kV CT 400/1A	no.	13,230.00	30.1.2016
182	11kV CT 400-200/1-1A	no.	29,295.00	18.9.2015
183	11kV CT 400-200/1-1-1A	no.	24,806.25	17.8.2015
184	11kV CT 400-200/1-1-1-1A	no.	34,728.00	22.2.2016
185	11kV CT 400-200/5-5-1A	no.	25,752.00	17.8.2015
186	11kV CT 400-200-100/5-5-1A	no.	33159.00	2.5.2015
187	11kV CT 400-300/1-1-1A	no.	34463.00	29.3.2016
188	11kV CT 800-400/5-5-1A	no.	42365.00	26.10.2015
189	11kV CT - outdoor type 400-200-100/5-5-1-1A	no.	30975.00	23.5.2014
190	11kV CT - outdoor type 400-200/5-5-1A	no.	25988.00	20.8.2015
191	11kV CT - outdoor type 400-200/5-5A	no.	22620.00	20.8.2015
192	11kV CT - outdoor type 200-100/5-5-1A	no.	28875.00	23.5.2014
193	11kV CT - outdoor type 200/5-5A	no.	29887.00	4.11.2014
194	11kV CT 1000-500/5-5-1	no.	15147.00	26.9.2015
195	11kV CT 1000/1A	no.	12817.00	8.1.2016
196	11kV CT 1000-500/5 A	no.	14917.00	8.1.2016

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Sl. No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order)
197	11kV CT -1000/500/1/1A (oil immersed)	no.	54390.00	5.1.2012
198	11kV CT 400/200/5-5	no.	30894.00	9.10.2014
199	11kV CT 1200/5A	no.	13020.00	3.6.2014
200	11kV CT 1200/1A	no.	16275.00	3.6.2014
201	11kV CT 200/5A	no.	12305.00	26.2.2014

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Chief Engineer (SCM)
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