

# KERALA STATE ELECTRICITY BOARD

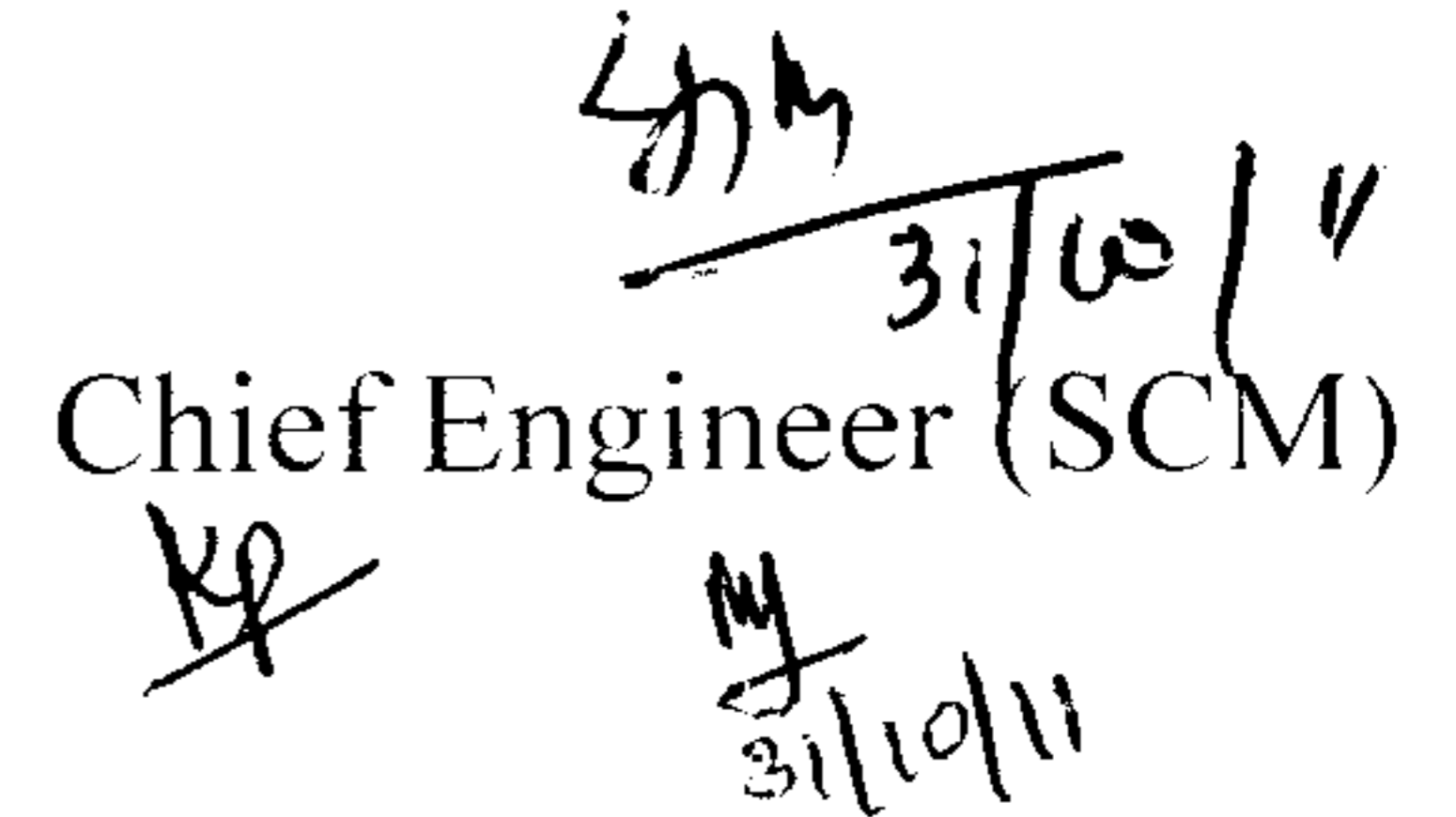
Sub: Cost data for transmission works.

Ref: 1. KSERC order dated 23.5.2011

2. B.O (FM) no. 1748/2011 (KSEB/TRAC/S Code/SCC/R2/09) dated 13.7.2011 of Secretary, KSEBoard.

3. Circular no. KSEB/TRAC/S Code/SCC/R2/09/502 dated 13.7.2011 of Secretary, KSEBoard.

KSERC has approved general guidelines and methodology in preparing cost estimates for levying charges from consumers for transmission works. As part of the guidelines prescribed by the Commission, KSEB is required to prepare and publish cost data of transmission materials based on weighted average procurement cost and make available the same in public domain, in order to ensure transparency and fairness. Hence the same is furnished for publication.

  
Chief Engineer (SCM)  
31/10/11

**Cost data of transmission materials based on weighted average  
procurement cost as on 30.9.2011**

<b>Sl. No.</b>	<b>Name of material</b>	<b>Purchase order date.</b>	<b>Unit</b>	<b>All Inclusive unit Rate (Rs.)</b>
1	220kV SF6 Circuit Breaker	8.10.2010	no.	11,65,436.62
2	66kV SF6 Circuit Breaker	29.1.2011	no.	3,65,091.03
3	110kV SF6 Circuit Breaker	28.7.2011	no.	4,93,646.87
4	11kV Potential Transformer	19.8.2010	no.	11,184.30
5	66kV Potential Transformer with supporting structures	18.03.2011	no.	54,840.31
6	33kV Potential Transformer	18.03.2011	no.	33,346.70
7	220kV Potential Transformer	10.6.2011	no.	2,57,513.00
8	110kV Potential Transformer	10.6.2011	no.	99,842.65
9	220kV Capacitor Voltage Transformer	13.5.2011	no.	2,44,387.90
10	110kV Capacitor Voltage Transformer	13.5.2011	no.	1,81,522.03
11	220kV vaccum circuit breaker	8.10.2010	no.	11,65,436.62
12	33kV Vaccum Circuit Breaker	13.5.2011	no.	1,66,133.70
13	12x4mm <sup>2</sup> Control Cable	15.06.2011	Km	3,91,706.70
14	2x2.5mm <sup>2</sup> Control Cable	15.06.2011	Km	58,099.18
15	4x2.5mm <sup>2</sup> Control Cable		Km	91,587.61
16	7x2.5mm <sup>2</sup> Control Cable		Km	1,43,962.56
17	12x2.5mm <sup>2</sup> Control Cable		Km	2,19,771.42
18	19x2.5mm <sup>2</sup> Control Cable		Km	3,30,165.56
19	4x4mm <sup>2</sup> Control Cable		Km	1,32,285.60
20	11kV, 3x300mm <sup>2</sup> cable	12.5.2011	km	8,86,293.48
21	11kV Lightning Arrestor	16.7.2011	no.	1,751.72
22	110kV Lightning Arrestor	20.7.2011	no.	33,257.48
23	220kV Lightning Arrestor	29.01.2011	no.	51,815.17
24	66kV Lightning Arrestor	20.07.2011	no.	23,962.47
25	33kV Lightning Arrestor	20.07.2011	no.	13,651.94

26	120KN Disc Insulator	20.12.2010	no.	398.7
27	90KN Disc Insulator	31.5.2011	no.	349
28	45KN Disc Insulator	7.9.2011	no.	210.26
29	70KN Disc Insulator	31.5.2011	no.	300.31
30	11kV Autoreclosure	21.12.2010	no.	1,70,534.5, supporting structure - Rs 7300.12
31	ACSR Wolf	20.11.2010	Km	88,488.31
32	ACSR Dog	28.4.2011	Km	55,331.62
33	ACSR Moose	28.4.2011	Km	2,84,508.81
34	ACSR Kundah	1.11.2010	Km	2,23,445
35	G.I Earth wire (7/3.15 mm dia)	26.02.2009	Km	25,683.42
36	Transformer oil	25.10.2010	KL	66,146.25
37	110/11kV transformer control & relay panel	22.11.2010	sets	2,68,445.02
38	110/66kV and 110/33 kV transformer control and relay panel	4.7.2011	sets	110/66 kV - 3,97,000, 110/33kV - 3,97,000
39	66/11kV transformer control & relay panel	9.6.2010	sets	3,06,242
40	33/11kV transformer control & relay panel	3.5.2011	sets	2,30,568
41	220kV feeder control & relay panel	18.11.10	no.	6,10,332
42	220kV Bus coupler panel	13.8.2008	no.	2,14,992.83
43	110kV and 66kV feeder control & relay panel	29.6.2011	sets	110kV -2,83,015, 66kV - 2,83,015
44	33kV feeder control & relay panel	17.2.2011	no.	1,07,539.16
45	33kV 4 panel set	25.5.2011	sets	20,33,857
46	11kV 10 panel set	4.6.2011	sets	19,24,475
47	11kV Incomer outdoor cubicle	20.12.2010	no.	2,69,689.2
48	420kV, 2000A pantograph Isolator with earth switch	18.8.2011	no.	2,18,361.68, supporting strcture- Rs 21566.14
49	11kV, 630 A AB switch	5.3.2011	no.	12,248.84
50	33kV Pin Insulator	3.3.2011	sets	389.7
51	100 AH, VRLA battery	5.2.2011	sets	52,225.29
52	200 AH, VRLA battery	5.2.2011	sets	Rs 97,767.71

53	110V.400 AH plante type battery	12.1.2011	sets	Rs 7,96,992.50
54	15A,30A,60A Battery charger	24.2.2011	no.	15A-Rs 52127/,30A- Rs 73897/,60A- Rs 97130/
	<b>Power transformer</b>			
55	220/110kV, 66.67 MVA	6.12.2010	no.	2,16,12,048
56	110/11kV, 12.5MVA	24.5.2011	no.	62,97,448.154
57	110/33kV, 16MVA	31.12.2010	no.	72,90,891
58	110/22kV, 25MVA	3.12.2009	no.	1,52,03,589
59	110/11kV,20MVA	10.3.2011	no.	79,05,785
60	66/33kV, 16MVA	18.12.2007	no.	1,25,77,259
61	66/11kV, 16MVA	10.3.2011	no.	63,22,205
62	66/11kV, 10MVA	13.5.2010	no.	55,01,812
63	33/11kV, 5MVA (outdoor)	25.9.2010	no.	29,06,028
64	33/11kV, 5MVA (indoor)	1-10-2011	no.	52,34,025.4
	<b>LINE ISOLATORS</b>			
65	220kV,1250A Line isolator with Structure(Motorised)	9.2.2010	sets	3,01,800
66	220kV 2000A Line Isolator with Structure	9.2.2010	sets	3,04,036
67	220kV 1600A Line isolator with Structure.	29.1.2009	sets	3,65,824
68	110kV 800A Line isolator with Structure	5.3.2011	sets	1,51,039
69	66kV 800A Line isolator with Structure.	13.01.2011	sets	1,11,591
70	33kV 800A Line isolator with Structure	27.5.2010	sets	63,773
	<b>BUS ISOLATORS</b>			
71	220kV,1250A Bus isolator with Structure(Motorised)	11.2.2011	sets	2,53,091
72	220kV 2000A Bus isolator with Structure.	9.2.2010	sets	2,58,564
73	220kV 1600A Bus isolator with Structure.	4.6.2009	sets	3,02,928
74	110kV 1600A Bus isolator with Structure.	5.3.2011	sets	1,53,883

75	110kV 1200A Bus isolator with Structure	11.5.2009	sets	1,51,254
76	110kV 800A Bus isolator with Structure.	11.2.2011	sets	1,41,427
77	66kV 800A Bus isolator with Structure.	13.01.2011	sets	98,388
78	33kV 800A Bus isolator with Structure	13.01.2011	sets	53,437
79	11kV 800A Bus isolator with Structure.	13.01.2011	sets	23,002
<b>CURRENT TRANSFORMERS</b>				
80	220kV Current transformer 1600/800/1-1-1-1A	3.8.2011	no.	2,49,613
81	220kV Current transformer 1200/600/1-1-1-1A with Structure	14.6.2010	no.	2,80,038
82	220kV Current Transformer 800/400/1-1-1-1A with Structure	3.8.2011	no.	2,42,863
83	110kV Current transformer 1200/600/1-1-1-1A with Structure	3.8.2011	no.	
84	110kV Current transformer 800/400/1-1-1-1A with Structure	3.8.2011	no.	1,11,193
85	110kV Current transformer 600/300/150/1-1-1-1A with Structure	3.8.2011	no.	
86	110kV Current transformer 400/200/100/1-1-1-1A with Structure	3.8.2011	no.	1,05,568
87	66kV Current transformer 600/300/150/75/1-1-1-1A .	19.4.2011	no.	75,266
88	66kV Current transformer 400/200/100/50/1-1-1-1A .	19.4.2011	no.	73,016
89	33kV Current transformer 400/200/100/1-1-1-1A with Structure	5.10.2010	no.	33,272

NEUTRAL CURRENT TRANSFORMERS				
90	110kV neutral current transformer 400/200/100/1A	5.10.2010	no.	18,405
91	110kV neutral current transformer 300/150/75/1A			
92	66kV neutral current transformer 200/100/1A			
93	66kV neutral current transformer 150/75/1A			
94	33kV neutral current transformer 400/200/100/1A			
95	11kV Vaccum Circuit Breaker with Current Transformer	1.11.2010	no.	1,52,330

  
**CHIEF ENGINEER**  
**SUPPLY CHAIN MANAGEMENT**  
**K.S.E.BOARD, THIRUVANANTHAPURAM- 4**  


# KERALA STATE ELECTRICITY BOARD



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## CERTIFICATE

Certified that the cost data for Transmission works furnished by the Chief Engineer (SCM) has been verified with the records and found that it confirms with the guideline issued vide B.O No.(FM) No. 1748/2011 (KSEB/TRAC/S Code/SCC/R2/09)Thiruvananthapuram dated 13-07-2011 and Circular No. KSEB/TRAC/S Code/SCC/R2/09/502 and it represents the true average / weighted average procurement cost of materials/ equipments during the previous half year.

This certification is made as per the orders contained in the BO and Circular referred above to be published in October.

  
Chief Internal Auditor

Thiruvananthapuram

31.10.2011