



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the 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-, 2514537, Fax : 0471-2448584

Email : cia@kseb.in

No.CIA/WAD/PAI/Trans. Cost Data/2019-20

CERTIFICATE

This is to certify that the Transmission Cost Data for the first half of the financial year 2019-20 which contains 412 items of transmission materials, forwarded by the Chief Engineer (SCM), vide letter No.SCM/TA 41/Cost data/19-20 dated 27.08.2020 has been verified with the records made available by that office and that it is prepared according to the directions contained in the Board Order (FM) No.1748/2011(KSEB/TRAC/S.CODE/SCC/R2/09), dated 13.07.2011 and Circular No. KSEB/TRAC/S CODE/SCC/R2/09/502 DATED 13.07.2011.

Thiruvananthapuram
13.07.2021

Lekha
CHIEF INTERNAL AUDITOR

Cost data of transmission materials for the first half year 2019 -20, based on weighted average procurement cost as on 31.03.2019

Sl. No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
1	400kV SF ₆ Circuit Breaker	no.	27,88,078.00	8.3.2016
2	220kV SF ₆ Circuit Breaker with structure	no.	1206727.00	14.9.2018
3	Single pole 220kV Siemens make Circuit Breaker		893850.00	28.11.2018
4	110kV SF ₆ Circuit Breaker with structure	no.	518020.00	14.9.2018
5	110kV SF ₆ Circuit Breaker	no.	518020.00	26.11.2018
6	66kV SF ₆ Circuit Breaker with structure	no.	419763.00	22.12.2016
7	11kV SF ₆ Circuit Breaker with density switch	no.	379668.00	12.1.2012
8	SF ₆ gas	kg	1119	18.3.19
9	33kV VCB with Structure (outdoor)	nos	233050.00	28.01.2019
10	Silica Gel (Blue)	kg	212.40	21.03.2018
11	11kV Potential Transformer	no.	23154.00	16.1.2017
12	11kV Outdoor Potential Transformer with supporting structure	no.	42903.60	10.11.2017
13	33kV Potential Transformer	no.	50609.00	15.01.2019
14	33kV Potential Transformer with Supporting Structure	no.	36655.52	20.10.2017
15	66kV Potential Transformer	no.	62429.00	3.9.2018
16	66kV Potential Transformer with Supporting Structure	no	70894.00	27.3.2017
17	110kV Potential Transformer	no.	102660.00	10.12.2018
18	Supporting Structure for 110kV Potential Transformer	no.	18172.00	10.12.2018
19	110kV Potential Transformer with structure	no.	112688.00	12.10.2017
20	Potential Transformer class 0.2, 220kV/3/10V/3, 60VA	no.	931020.00	27.02.2018
21	400kV Capacitor Voltage Transformer		2,76,651.00	23.1.2016
22	220kV Capacitor Voltage Transformer with structure	no.	206948.00	20.10.2014
23	220kV Capacitor Voltage Transformer	no.	145966.00	14.12.2018
24	110kV Capacitor Voltage Transformer with structure	no.	155052.00	28.3.2018
25	110kV Capacitor Voltage Transformer	no.	119911.00	14.12.2018
26	Supporting Structure for 110kV Capacitor Voltage Transformer	no.	20956.80	14.12.2018
27	66kV Capacitor Voltage Transformer with out structure	no.	1,21,471.00	27.3.2017
28	110kV OD Vaccum Circuit Breaker	no.	109757.71	9.1.2018
29	33kV Vaccum Circuit Breaker	no.	208771.50	13.9.2018
30	Schneider make 11kV 1250A Vacuum Circuit breaker	no.	385624.00	18.7.2017
31	Megawin make Vacuum Circuit Breaker 11kV, 400A	no.	170000.00	26.7.2017

Lekha
CHIEF INTERNAL AUDITOR
 KSEB Ltd., Vidyuthi Bhavanam,
 Pattom Thiruvananthapuram

Rajm KR
CHIEF ENGINEER
 Supply Chain Management
 Kerala State Electricity Board Limited
 Vidyuthi Bhavanam, Pattom
 Thiruvananthapuram - 695 004

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
32	11kV Outdoor Vacuum Circuit Breaker	no.	374338.00	19.7.2017
33	11kV Vacuum Circuit Breaker 800A with structure	no.	152432.00	21.12.2017
34	11kV Vacuum Circuit Breaker panel (ALSTOM) make	no.	652806.00	12.6.2017
35	11kV VCB Truck (feeder assembly)	no.	321786.00	24.7.2018
36	11kV 400A VCB outgoing Truck	no	218300.00	18.7.2018
37	11kV VCB	no.	498800.00	28.7.2017
38	12kV, 50Hz, 630A Outdoor VCB KIOSK	no	379252.00	23.07.2018
39	11kV VCB feeder panel	no	704000	29.11.2017
40	11kV VCB with supporting structure	no	109757.72	30.7.2018
41	11kV, 1250A, 25kA Outdoor type VCB with supporting structure	no	371392.00	3.1.2018
42	11kV Out going feeder panel	no	674580.50	22.9.2018
43	11kV,16kA,630AOutdoor Toproot bushing kiosk VCB panel	No	385344.00	21.11.18
44	LV Panel Board 250A Incomer SFU, 11Nos, 32A SFU and 1 no 160A SFU outgoing metering, TPN Aluminium bus bar (indoor type)	set	1138532.00	29.11.2017
45	12x4mm ² Control Cable	Km	427410.75	6.2.2018
46	19x4 mm ² control cable	Km	650690.59	6.2.2018
47	2x4 mm ² control cable	Km	107601.84	6.2.2018
48	2x2.5mm ² Control Cable	Km	78350.82	6.2.2018
49	4x2.5mm ² Control Cable	Km	119191.80	6.2.2018
50	6x2.5mm ² Control Cable	Km	1,53,849.00	7.1.2014
51	7x2.5mm ² Control Cable	Km	189690.90	6.2.2018
52	10x2.5mm ² Control Cable	Km	2,29,572.00	7.1.2014
53	12x2.5mm ² Control Cable	Km	285740.02	6.2.2018
54	19x2.5mm ² Control Cable	Km	433701.68	6.2.2018
55	4x4mm ² Control Cable	Km	172956.20	6.2.2018
56	11kV,3x300 mm ² XLPE UG cable	km	913018.00	18.8.2016
57	11kV,1x500 mm ² XLPE UG cable	Km	606456.00	10.1.2018
58	33kV,3x300 mm ² XLPE UG cable	km	2178280.00	5.2.2018
59	110kV, 1x400 mm ² XLPE UG cable	Km	34,48,610.00	5.7.2014
60	110kV, 1x500mm ² XLPE Aluminium cable	m	2762.00	2.12.2015
61	400kV Lightning Arrestor	no.	1,28,264.00	26.10.2015
62	220kV Lightning Arrestor with structure	no.	44962.00	26.10.2015
63	110kV Lightning Arrestor without structure	no.	28737.48	26.8.2017
64	110kV Polymer type LA	no	61360	2.2.2019
65	108kV,10kA,class-2 hanging type Transmission Line Surge Arrestor with disconnector and surge counter	no	75402	3.12.2018

Lekha
 CHIEF INTERNAL AUDITOR
 K S E B Ltd., Vidyuthi Bhavanam
 Pattom, Thiruvananthapuram

Ram KR
 CHIEF ENGINEER
 Supply Chain Management
 Kerala State Electricity Board Limited
 Vidyuthi Bhavanam, Pattom
 Thiruvananthapuram - 695 004

Sl.N o	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
66	96kV, 10kA class 3 polymeric type surge arrester with surge counter and leakage monitor	set	61242.00	27.09.2018
67	33kV Porcelain housed outdoor surge arrester	no	11051.88	19.10.2017
68	30kV, 10kA metal oxide gapless station class-II Polymeric Lightning Arrester with surge monitor and insulating base	no	11198.00	24.7.2017
69	96kV, 10kA station class-III Polymeric Lightning Arrester with surge monitor and insulating base	no	68475.00	28.3.2018
70	220kV Lightning Arrester	no	52038	23.10.2018
71	110kV Lightning Arrester	no	32084	1.11.18
72	Supporting structure of 110kV Lightning Arrester	no.	7784.46	23.10.2018
73	110kV LA with supporting structure	no	35213	1.11.2018
74	66kV Lightning Arrester	no.	20687.76	23.10.2018
75	Supporting structure of 66kV Lightning Arrester	no.	7354.00	23.10.2018
76	66kV Lightning Arrester with structure	no.	25452.60	26.8.2017
77	33kV Lightning Arrester	no.	7760.62	23.10.2018
78	Supporting structure of 33kV Lightning Arrester	no.	10578.00	23.10.2018
79	33kV LA with structure	no	15653.88	23.10.2018
80	22kV Lightning Arrester	no.	11307.00	30.1.2017
81	11kV Lightning Arrester	no.	2000.10	31.8.2018
82	Polymeric type surge arrester	no	50740.00	24.03.2018
83	Surge counters with leakage current monitor for lightning arrester	no	1062000.00	22.05.2018
84	228kV, 10KA hanging type Transmission line surge arrester with disconnector	set	83308.00	11.12.2017
85	160KN Disc Insulator	no.	775.00	3.3.2017
86	120KN Disc Insulator (ceramic)	no.	619.5	5.11.2018
87	90KN Disc Insulator (porcelain)	no.	474.36	5.11.2018
88	70KN Disc Insulator (ceramic)	no.	424.8	5.11.2018
89	45KN Disc Insulator (composite polymer)	no.	136.00	28.6.2018
90	220kV, 120KN silicon rubber housed composite polymer insulator	no.	3846.80	27.10.2018
91	220kV, 120KN polymer insulator	no	3524.66	30.10.2017
92	220kV, 90KN silicon rubber housed composite polymer insulator (suspension type)	no.	3380.7	27.10.2018
93	220kV, 120KN tension composite polymer insulator		3847	5.4.2018
94	110kV, 90KN silicon rubber housed composite polymer insulator	no.	2677.42	15.1.2019
95	110kV, 90KN polymer insulator	no	2042.74	19.10.2017
96	110kV, 90KN tension composite polymer insulator	no.	2047.3	27.10.2018
97	110kV, 70kN composite polymer Disc Insulator (suspension type)	no	2002.46	27.10.2018

Lekha
CHIEF INTERNAL AUDITOR
KSEB Ltd., Vidyuthi Bhavanam
Pattom Thiruvananthapuram

Rajm K R
CHIEF ENGINEER
Supply Chain Management
Kerala State Electricity Board Limited
Vidyuthi Bhavanam, Pattom
Thiruvananthapuram - 695 004

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
98	110kV, 70KN silicon rubber housed composite polymer insulator	no.	2339.00	21.5.2016
99	66kV Silicon rubber composite insulator (Polymer insulator)	no	1740.50	20.7.2018
100	66kV support insulator	no	77880.00	6.11.2017
RELAYS				
101	Control Relay 10A (4 NO + ONC)	no	955.8	3.8.2018
102	11kV non-directional Over current & Earth fault Relay	no	18290.00	7.9.2018
103	Earth fault relay MIT (Numerical)	no	22420	15.8.2018
104	Panel mounting MICOM P442 Distance relay	no	162250.00	8.3.2018
105	Numerical distance relay	no	209250.00	29.08.2018
106	Buchholz relay for 12.5MVA, 110/11kV Transformer	no	16000.00	28.3.2018
107	Transformer protection relay for 200MVA Transformer	no	177920.00	15.11.2017
108	Differential Relay	no	115200.00	20.10.2017
109	Numerical Transformer Differential Relay	no	248800.00	13.3.2018
110	Master trip Relay	no	3200.00	20.10.2017
111	REF Relay	no	5760.00	20.10.2017
112	Distance protection Relay	set	174640	26.3.2019
113	110kV capacitor bank control & protection relay		271400	28.3.2019
114	11kV Autoreclosure	no.	1,70,534.5, supporting structure - Rs 7300.12	1.1.2011
115	220kV/110kV, 160MVA transformer C&R panel with transfer bus facility	no.	10,14,506.00	5.11.2016
116	220/110kV, 100MVA transformer control & relay panel (HV & LV side)	sets	840302.00	31.12.2018
117	11kV Busbar of 110/11kV, 20 MVA Transformer	sets	136252.00	23.05.2018
118	110/11kV transformer control & relay panel (primary side only)	nos.	502680.00	15.01.2019
119	110/66kV transformer control and relay panel	sets	3,97,000.00	4.7.2011
120	110/33kV, 16MVA transformer control and relay panel (HV & LV side)	nos.	638468.00	15.01.2019
121	66/33kV, 16MVA transformer control & relay panel	sets	5,92,736.00	22.1.2014
122	66kV/11kV transformer control & relay panel	nos.	469515.00	31.12.2018
123	33kV/11kV transformer control & relay panel	nos.	258420.00	15.01.2019
124	66kV/11kV transformer control & relay panel (primary side)	sets	469515.00	27.7.2018
125	33kV/11kV transformer control & relay panel (primary side)	sets	285135.00	27.7.2018
126	33kV IVCB 10 Panel set 2000A with spares	sets	3274196.00	9.01.2019
127	220kV feeder control & relay panel	no.	841635.00	6.10.2018
128	220kV Bus coupler panel	no.	2,14,993.00	13.8.2008
129	110kV feeder control & relay panel	nos.	494619.00	15.01.2019

Lekha
 CHIEF INTERNAL AUDITOR
 KSEB Ltd., Vidyuthi Bhavanam
 Pattom Thiruvananthapuram

Ranjith
 CHIEF ENGINEER
 Supply Chain Management
 Kerala State Electricity Board Limited
 Vidyuthi Bhavanam, Pattom
 Thiruvananthapuram - 695 024

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
130	110kV cable feeder control & relay panel with current differential relay	nos	2044940.00	22.03.2018
131	66kV feeder control & relay panel	sets	440140.00	27.7.2018
132	33kV feeder control & relay panel	nos.	231280.00	15.01.2019
133	33kV 3 panel set	sets	3162400.00	9.2.2018
134	33kV 4 panel set	sets	24,84,257.00	31.8.2013
135	LT Panel	no	160734	29.11.2018
136	LT Distribution panel	no	242176.00	13.10.2017
137	DC Distribution panel Board	set	178000.00	9.7.2018
138	11kV 10 panel set with spares suitable for transformer of capacity upto 16MVA(1250A)	sets	4728109.00	1.01.2019
139	11kV 10 panel set with spares suitable for transformer of capacity for 16 MVA & 20MVA (2000A)	sets	5231404.00	1.01.2019
140	220kV bus bar protection panel for double bus with bus coupler and 8 bays	no.	2166480.00	16.11.2015
141	220kV bus bar protection panel for double bus with bus coupler and 6 bays	no.	19,68,122.00	16.11.2015
142	220kV bus bar protection panel for single bus with bus Isolator and 6 bays	no.	13,36,989.00	16.11.2015
143	11kV Incomer outdoor cubicle	no.	2,69,689.00	20.12.2010
144	11kV, 800 A AB switch	no.	23625.00	27.1.2016
145	11kV, 630 A AB switch	no.	16366.60	23.10.2017
146	11kV, 630 A Station class AB switch	no.	17570.20	01.01.2019
147	33kV Polymer type Pin with Insulator	no	444.00	20.12.2017
148	33kV Pin Insulator with pin	sets	611.00	20.8.2018
149	110V, 100 AH, VRLA battery	sets	107328.00	8.8.2018
150	2V, 100 AH, VRLA type CELL	no	3584.00	21.12.2017
151	110V, 200 AH, VRLA battery	sets	97768.00	5.2.2011
152	100 AH, tubular lead acid battery	sets	231680.00	6.9.2018
153	200 AH, tubular lead acid battery	sets	278784.00	12.2.2018
154	110V, 100 AH plante type battery	sets	436128.00	2.5.2018
155	110V, 200 AH plante type battery	sets	811250.00	26.9.2017

Lekha

CHIEF INTERNAL AUDITOR
KSEB Ltd., Vidyuthi Bhavanam
Pattom Thiruvananthapuram.

Rajam KR
CHIEF ENGINEER

Supply Chain Management
Kerala State Electricity Board Limited
Vidyuthi Bhavanam, Pattom
Thiruvananthapuram - 695 004

5

5

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
156	110V,400 AH plante type battery	sets	1210880.00	8.8.2018
157	110V, 200AH Tubular battery	set	274461.00	8.2.2018
158	15A Battery charger	no.	105138.00	19.9.2018
159	30A Battery charger	no.	115876.00	19.9.2018
160	60A Battery charger	no.	161424.00	19.9.2018
161	ACSR Wolf	Km	123487	28.1.2019
162	ACSR Dog	Km	70635.00	19.1.2018
163	ACSR Moose	Km	391840.00	25.4.2017
164	ACSR Kundah	Km	2,00,235.00	4.2.2017
165	ACSR Lynx	km	151040.00	16.1.2018
166	220kV rigid type spacers for ACSR triple Bersimis Conductor	nos	1104.48	8.5.2018
167	Die set for ACSR Kundah (Al + Steel)	no	15340.00	24.04.2018
168	GI Earth strip 50 x 6mm	kg	87.00	14.2.19
169	G.I Earth wire (7/3.15 mm dia)	Km	34342.72	24.3.2018
170	G.I Earth wire (7/3.66 mm dia)	Km	46779.92	24.3.2018
171	G.I. Earth Pipe 50mm dia, 3.48mm thick, 3m long	nos	918.75	20.03.2018
172	G.I. Earth Pipe 40mm dia, 2.5m long	nos	687.75	21.10.2017
173	G.I. Earth Pipe 60mm dia, 4mm thick, 3m long with C clamp	nos	4050.00	29.05.2018
174	G.I. Earth Pipe 30mm dia, 3m long	nos	3363.00	3.11.2018
175	G.I Earthpipe,50mm outer dia medium grade 3m long one end tapered,other end with 16mm hole,provided with one GI bolt & nut of size 75x16mm	no	932.00	28.2.19
176	Yard structure (Tubular type)	MT	71539.00	14.12.2016
177	Yard structure (Lattice type)	MT	66906.50	7.12.2017
178	Tower HTS (for both heavy and light angles)	MT	94990.00	26.10.2017
179	Tower MS (for both heavy and light angles)	MT	89090.00	26.10.2017
180	Tower HTS (for light angle only)	MT	69997.00	21.2.2016
181	Tower MS (for light angle only)	MT	65872.00	21.2.2016
182	Galvanised Steel stub & Cleat	MT	76036.31	24.01.2018
183	Galvanised steel yard structure	MT	81007.71	16.10.2018
184	Template	MT	65186.00	23.6.2009
185	Transformer oil	kl	82805.00	20.4.2018
186	17.5kV, 630A, LV Bushing	no	18000.00	19.09.2018
187	72.5kV, 800A Bushing	no	275333	23.3.19
188	145kV, 800A bushing	no	480000.00	24.11.2017
189	145kV OIP Bushing 2000A, 300BCT	no	224200.00	21.6.2018
Power transformer				
190	400kV/220kV/33kV 105 MVA	no.	3,75,61,726.00	2.4.2012
191	220kV/110kV, 66.67 MVA	no.	2,04,83,375.00	17.9.2016
192	220kV/110kV, 66.67 MVA single phase transformer	nos.	26609000.00	25.01.2019

Lekha
CHIEF INTERNAL AUDITOR

KSEB Ltd., Vidyuthi Bhavanam

Patnam Thiruvananthapuram

Ramkr
CHIEF ENGINEER

Supply Chain Management

Kerala State Electricity Board Limited

Vidyuthi Bhavanam, Pattom

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
193	220kV/110kV, 200MVA	no.	64546000.00	19.9.2017
194	220/110kV, 200MVA 3 phase auto trasnformer	no.	64295840.00	5.12.2018
195	220kV/110kV, 160MVA	no.	5,21,42,500.00	30.6.2017
196	220kV/33kV, 100MVA	no.	47893613.00	16.11.2015
197	110kV/11kV, 12.5MVA	no.	80,51,929.00	24.5.2011
198	110kV/33kV, 16MVA	no.	13852855.00	19.1.19
199	110kV/33kV, 16MVA 3 Phase transformer	nos.	13852855.00	19.01.2019
200	110kV/33kV, 25MVA	no.	15815540.00	26.9.2017
201	110kV/22kV, 25MVA	no.	1,52,03,589.00	3.12.2009
202	110kV/11kV, 20MVA	no.	1,15,34,513.00	21.10.2016
203	66kV/33kV, 16MVA	no.	13366860.00	18.12.2007
204	66kV/11kV, 16MVA	no.	92,78,530.00	30.6.2017
205	66kV/11kV, 10MVA	no.	9451800.00	24.3.2018
206	33kV/11kV, 5MVA (outdoor)	no.	3589676.00	1.12.2015
207	33/11kV 5MVA 3 phase transformer (outdoor)with cable entry box	nos.	5082260.00	10.10.2018
208	33kV/11kV, 5MVA (indoor)	no.	4203387.00	24.1.2018
209	33kV/11kV, 8MVA outdoor transformer	no.	6509588.00	24.9.2018
210	33kV/11kV, 5MVA outdoor transformer with cable entry box	no.	3863036.00	14.10.2016
211	33kV/11kV, 8MVA outdoor transformer with cable entry box	no.	52,40,760.00	19.12.2016
LINE ISOLATORS				
212	420kV, 2000A pantograph Isolator with earth switch	no.	2,18,362.00, structure- Rs 21566.14	18.8.2011
213	420kV, 2000A triple pole line Isolator with structure	no.	7,00,657.00	25.4.2012
214	420kV, 2000A single pole line Isolator with structure	no.	2,72,394.00	25.4.2012
215	220kV, 1250A triple pole single centre break gang operated Line isolator with Structure(Motorised)	sets	444624.00	26.4.2018
216	220kV 2000A triple pole single centre break gang operated Line Isolator with Structure	sets	3,04,036.00	9.2.2010
217	220kV 1600A triple pole single centre break gang operated Line isolator with out Structure	sets	3,53,944.00	12.2.2016
218	220kV 1600A triple pole single centre break gang operated Line isolator with Structure	sets	3,85,944.00	7.11.2016
219	110kV 800A triple pole double break gang operated Line isolator with out Structure	sets	2,16,097.00	22.4.2015
220	110kV 800A triple pole double break gang operated Line isolator with Structure	sets	251724.00	26.4.2018
221	66kV, 800A triple pole double break gang operated Line isolator with Structure.	sets	1,11,591.00	29.6.2015
222	33kV, 800A triple pole Line isolator with Structure	sets	93506.00	29.11.2016

Lekha

CHIEF INTERNAL AUDITOR
KSEB Ltd., Vidyuthi Bhavanam
Pattom J. S. S. Varanathan

Rajm KR

CHIEF ENGINEER
Supply Chain Management
Kerala State Electricity Board Limit
Vidyuthi Bhavanam, Pattom

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
223	33kV, 800A Line isolator	sets	50047.00	18.4.2016
224	33kV Line isolator without structure	sets	73042.00	28.6.2018
225	11kV, 800A Line isolator with Structure	sets	41300.00	26.10.2017
BUS ISOLATORS				
226	220kV, 2500A triple pole single centre break gang operated Bus isolator with Structure(Motorised)	sets	5,16,490.00	12.2.2016
227	220kV, 1250A triple pole single centre break gang operated Bus isolator with Structure(Motorised)	sets	2,53,091.00	25.7.2015
228	220kV, 2000A triple pole single centre break gang operated Bus isolator	sets	2,99,212.00	12.2.2016
229	220kV, 1600A triple pole single centre break gang operated Bus isolator without Structure	sets	2,88,265.00	12.2.2016
230	220kV, 1600A triple pole single centre break gang operated Bus isolator with Structure	sets	411584.00	26.4.2018
231	110kV, 1600A triple pole double break gang operated Bus isolator	sets	1,86,680.00	12.2.2016
232	110kV, 1250A triple pole double break Bus isolator	sets	1,69,227.00	12.2.2016
233	110kV, 1200A triple pole double break Bus isolator with Structure	sets	226453.8	6.10.2018
234	110kV, 1200A single pole double break Bus isolator with Structure	sets	1,51,254.00	11.5.2009
235	110kV, 800A triple pole double break gang operated Bus isolator	sets	212647.8	6.10.2018
236	110kV, 800A triple pole double break gang operated Bus isolator with Structure	sets	210783.00	26.4.2018
237	110kV, 800A triple pole line isolator and structure		253587.90	6.10.2018
238	66kV, 800A triple pole Bus isolator with Structure	sets	1,28,652.00	29.11.2016
239	33kV, 800A triple pole Bus isolator with Structure	sets	81490.8	6.10.2018
240	33kV, 800A triple pole Line isolator with Structure		94,473.16	6.10.2018
241	33kV, 800A Bus isolator	sets	55610.00	18.4.2016
242	11kV, 800A Bus isolator	sets	51297.00	25.7.2014
243	11kV, 800A Bus isolator with structure	sets	34220.00	26.10.2017
244	33kV Bus isolators with structure	no	80240	8.2.2019
CURRENT TRANSFORMERS				
245	400kV Current transformer 2000/1000/500/1A(5C)	no.	6,44,818.00	22.12.2015
246	220kV current transformer 2000-1000-500/1-1-1-1-1A	no.	2,44,214.00	28.4.2012

Lekha
CHIEF INTERNAL AUDITOR
 K S E B Ltd., Vidyuthi Bhavanam
 Pattom Thiruvananthapuram - 1

Ram KR.
CHIEF ENGINEER
 Supply Chain Management
 Kerala State Electricity Board Limited
 Vidyuthi Bhavanam, Pattom
 Thiruvananthapuram - 695 004

Sl.N o	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
247	Supporting structure of 220kV current transformer 2000-1000-500/1-1-1-1A	no.	23600.00	21.7.2018
248	220kV Current transformer 1600/800/1-1-1-1-1A	no.	2,60,974.00	19.12.2015
249	220kV Current transformer 1200/600/1-1-1-1-1A with Structure	no.	2,80,038.00	7.12.2012
250	220kV Current transformer 1200/800/1-1-1-1-1A	no.	303968.00	21.7.2018
251	220kV Current Transformer 800/400/1-1-1-1-1A	no.	3,29,282.00	1.8.2014
252	220kV Current Transformer 600/300/1-1-1-1-1A	no.	306800.00	21.7.2018
253	220kV Current Transformer 200/1-1-1-1-1A	no.	2,36,878.00	19.12.2015
254	220kV Current Transformer 150-100-50/1A, 0.2S class		902700.00	26.10.2017
255	110kV Current transformer 1600/800/1-1-1-1-1A with Structure	no.	2,03,686.00	1.8.2014
256	110kV current transformer 1000/500/1-1-1-1-1A	no.	2,21,468.00	27.10.2015
257	110kV Current transformer 1200/600/1-1-1-1-1A	no.	149978.00	13.9.2017
258	110kV Current transformer 1200/600/1-1-1-1-1 1A Live tank	no	197470.64	31.10.2018
259	110kV Current transformer 800/400/1-1-1-1-1A with Structure	no.	1,63,071.00	1.8.2014
260	110kV Current transformer 800/400/1-1-1-1 1A Live tank	no	174524.36	31.10.2018
261	110kV Current transformer 800/400/1-1-1-1A	no.	133517.00	13.9.2017
262	110kV Current transformer 400/200/100/1-1-1-1-1A	no.	162724.00	21.12.2015
263	110kV Current transformer 400/200/100/1-1-1-1A	no.	146320.00	1.03.2019
264	110kV Current transformer 400/200/100/1-1-1-1 1A Live Tank	no	170978.46	31.10.2018
265	Supporting structure for 110kV current transformer	no.	38383.04	31.10.2018
266	110kV Current transformer 300/150/75/1-1-1-1A with Structure	no.	1,75,897.00	1.8.2014
267	110kV Current transformer 600/300/150/1-1-1-1A with Structure	no.	138060.00	1.03.2019
268	110kV current transformer, 100-50/1A	no.	1,09,054.00	24.1.2015
269	110kV Current Transformer with rain guard (700 x 850 x300)	no	24190.00	28.06.2018
270	66kV Current transformer 600/300/150/75/1-1-1-1A	no.	89325.00	3.4.2018
271	66kV Current transformer 400/200/100/50/1-1-1-1A	no.	89325.00	3.4.2018
272	66kV Current transformer -outdoor (oil filled)	no	135700.00	7.2.2018
273	33kV Current transformer 400/200/100/75/1-1-1A outdoor	no.	30326.00	21.4.2018
274	Supporting structure of 33kV Current transformer 400/200/100/1-1-1A Outdoor	no.	18880.00	21.4.2018

Lekha
CHIEF INTERNAL AUDITOR
K S E B Ltd., Vidyuthi, Bhavanar
Pattom, Thiruvananthapuram.

Rajm KR
CHIEF ENGINEER
Supply Chain Management
Kerala State Electricity Board Limited
Vidyuthi Bhavanar, Pattom
Thiruvananthapuram - 695 004

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
275	33kV Current Transformer 600/300/150/1-1-1-1A	no	46728.00	12.10.2017
276	33kV CT 2000/1-1-1-1A	no.	76808.00	4.2.2017
277	33kV CT 400-200-100/1-1-1-1A with structure	no.	49206.00	16.1.2019
278	33kV Outdoor CT 400-200-100/1-1-1-1A with structure	no	60534.00	16.1.2019
279	33kV Current transformer 400/200/100/1-1-1-1A	no.	37747.00	25.5.2016
280	33kV Current transformer 300/150/1-1-1-1A	no.	44093.00	18.7.2016
281	33kV Current transformer 300/150/1-1-1A	no.	46179.00	26.11.2016
282	33kV outdoor CT 1600/1	no.	40243.00	18.2.2012
283	33kV outdoor CT 200/1	no.	25585.00	9.2.2015
284	33kV CT 100/1A	no.	16695.00	30.1.2016
285	33kV CT		66220.00	28.02.2019
286	11kV Current Transformer - Outdoor resin cast type 200/5A	no.	21476.00	21.8.2017
287	11kV CT		38940	25.3.19
288	11kV Current Transformer with structure	no	30090.00	6.12.2017
289	11kV Current Transformer - Indoor resin cast type	no.	62098.00	18.7.2018
290	11kV Current Transformer - 400/200/5-5A	no	148680.00	13.9.2018
NEUTRAL CURRENT TRANSFORMERS				
291	110kV neutral current transformer 400/200/100/1A	no.	23116.00	29.8.2013
292	110kV neutral current transformer 300/150/75/1A	no.	23116.00	29.8.2013
293	66kV neutral current transformer 200/100/1A	no.	20851.00	26.4.2017
294	66kV neutral current transformer 150/75/1A	no.	21769.00	26.4.2017
295	33kV neutral current transformer 400/200/100/1A	no.	27678.00	26.4.2017
296	33kV neutral current transformer 100/1A	no.	92372.00	28.4.2016
297	11kV NCT 400/1A	no.	33751.00	28.4.2016
298	11kV Resin cast NCT	no	32750.00	1.11.2017
299	11kV NCT 400/1A with structure (oudoor)	no	26545.00	10.1.2018
300	11kV outdoor Oil immersed NCT		31279	12.12.18
OTHER MATERIALS				
301	220kV Transmission Line arrester	no	79827.00	9.3.2018
302	110kV Transmission Line arrester	no	72924.00	8.5.2018
303	Fault Passage Indicator	no	17385.00	13.3.2018
304	11kV CCC type Ring Main unit	no	303850.00	10.6.2018

Lekha

CHIEF INTERNAL AUDITOR
K S E B Ltd., Vidyuthi, Bhavanam
Pattom, Thiruvananthapuram

Rajmkr
CHIEF ENGINEER

Supply Chain Management
Kerala State Electricity Board Limited
Vidyuthi Bhavanam, Pattom
Thiruvananthapuram - 695 004

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
305	EHT Metering KIOSK (1200 x 1000 x 550)	no	43070.00	28.6.2018
306	Marshalling box with rain shed 650 x 300 x 200 mm, IP 65 with 30 nos 16A Disconnecting type connectors	set	11446	23.12.2017
307	Marshalling box with rain shed 650 x 300 x 200 mm, IP 65 with 16 nos 16A Disconnecting type connectors	set	6844	23.12.2017
308	Marshalling Box made of 2.5mm mild steel. Height 120cm X width 80cm X depth 50mm with shutter	No.	32000.00	25.2.19
309	Cork Gasket sheet (915 x 915 x 6 mm)	sheet	1227.20	10.4.2018
310	Cork Gasket sheet (915 x 915 x 10 mm)	sheet	1534.00	10.4.2018
311	Gasket sheet (900x900x9.6mm)	sheet	4879.00	5.3.2019
312	HT Discharge rod	no	2714.00	3.7.2018
313	Earth Discharge Rod	no	4350.00	16.11.2017
314	Earth rod with clamping head, 3m long with 10m long wire	no	4696.00	14.11.2017
315	Earth rod with clamping head, 3m long with 15m long wire	no	4696.00	28.6.2018
316	Earth rod with clamping head, 2.5m long with 15m long wire	no	5310.00	28.6.2018
317	Insulated Rubber Mat - 11kV grade (2m x 1m x 2mm)	no	3510.53	13.6.2018
318	11kV Switch gear panel with spares	set	1121229.00	27.02.2018
319	11kV, 630A, 20KA RMU	no	473425.00	8.8.2018
320	Come along clamp	no	112690.00	17.4.2018
321	Automatic come along clamp (forged with chrome finished). Hotline grip, non spring loaded, un-notched handle. Min. capacity -5000kg, jaw type, Parallel, Min. length-14.3cm teeth type approx. weight 3.75kg	no	61360.00	9.7.2018
322	5kV Megger with accessories	no	430700	26.02.2018
323	Capacitor units - 595.23kVAR, 110kV	no	67000.00	2.06.2018
324	32 mm MS Rod	MT	62894.00	12.11.18
325	25mm MS Rod	MT	50768.00	20.2.2015
326	11kV, Vacuum Circuit breaker with supporting structure	no.	371392.02	3.1.2018
327	11kV, Vacuum circuit breaker, 630A, 26.3KA	no.	46,25,50	14.3.2017
328	11kV, Vacuum circuit breaker, 400A, 25KA	no.	1,53,458.00	7.3.2017
329	11kV VCB panel	set	652806.00	12.06.2017
330	11kV Panel with Vacuum circuit breaker	no.	496401.00	14.3.2017
331	11kV Floor mounting C& R panel (I/D)	no.	112041.00	03.1.2018
332	11kV Vacuum Circuit Breaker 1250A Vacuum Interruption 'Type VG2'	no.	3,77,400.00	9.9.2016
333	11kV CT Outdoor type 400-200-100/5-5-1A	no.	42962.00	28.9.2017

Lekha
CHIEF INTERNAL AUDITOR
 K S E B Ltd., Vidyuthi, Bhavanam
 Pattom, Thiruvananthapuram

Rajm KR
CHIEF ENGINEER
 Supply Chain Management
 Kerala State Electricity Board Limited
 Vidyuthi, Bhavanam, Pattom
 Thiruvananthapuram - 695 004

Sl.N o	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
334	11kV XLPE 1x300mm ² heat shrinkable outdoor cable end kit		2950.00	29.11.18
335	11kV XLPE 1x300mm ² heat shrinkable straight joint kit		7080.00	19.12.18
336	11kV XLPE 3x300mm ² heat shrinkable outdoor end joint kit	no.	2950.00	16.9.2017
337	11kV XLPE 3x300mm ² heat shrinkable Indoor end joint kit	no.	3304	31.8.2018
338	11kV XLPE 3x300mm ² heat shrinkable Indoor straight joint kit	no.	6412.00	28.6.2017
339	11kV XLPE 3x300mm ² heat shrinkable straight joint kit	no.	13983.00	23.9.2017
340	11kV XLPE 3x300mm ² heat shrinkable outdoor straight joint kit	no.	7710.00	10.3.2017
341	11kV XLPE 3x300mm ² heat shrinkable Indoor end termination kit	no.	2950	11.10.2017
342	11kV XLPE 3 x 500sqmm heat shrinkable outdoor end termination kit	no.	1770.00	22.3.2018
343	11kV XLPE 3 x 500sqmm heat shrinkable Indoor end termination kit	no.	1524.00	22.3.2018
344	11kV XLPE 1x500mm ² heat shrinkable indoor straight joint kit	no.	5496.00	25.11.2016
345	11kV XLPE 1x500mm ² heat shrinkable indoor end joint kit	no.	2509.84	23.9.2017
346	11kV XLPE 1x500mm ² heat shrinkable outdoor end joint kit	no.	2599.00	23.9.2017
347	11kV XLPE 1x500mm ² heat shrinkable outdoor straight joint kit	no.	1718.00	14.4.2017
348	11kV XLPE 1x500mm ² heat shrinkable indoor end Termination kit	no.	1593.00	24.01.19
349	11kV XLPE 1x500mm ² heat shrinkable outdoor end Termination kit	no.	1770.00	24.01.19
350	22kV, 3 x 300sqmm XLPE heat shrinkable type cable termination kit	no.	8614.00	7.12.2017
351	22kV, 3 x 500sqmm XLPE heat shrinkable type cable termination kit	no.	6254.00	15.3.2018
352	33kV XLPE 3x300mm ² heat shrinkable outdoor straight joint kit	no.	23600.00	12.2.19
353	33kV XLPE 3x300mm ² heat shrinkable outdoor cable end termination kit	no.	9440.00	12.02.19
354	33kV XLPE 3x300mm ² heat shrinkable indoor cable end joint kit	no.	6298.00	7.5.2016
355	33kV XLPE 3x300mm ² heat shrinkable indoor cable end termination kit	no.	13969.00	9.6.2017
356	33kV XLPE 3x300mm ² heat shrinkable straight joint kit	no.	31602.00	19.1.2017
357	33kV XLPE 3x300mm ² cold shrinkable outdoor cable end joint kit	no.	22900.00	7.5.2014

Lekha

CHIEF INTERNAL AUDITOR
KSEB Ltd., Vidyuthi, Bhavanam
Pattom Thiruvananthapuram

RajmKR
CHIEF ENGINEER

Supply Chain Management
Kerala State Electricity Board Limited
Vidyuthi Bhavanam, Pattom
Thiruvananthapuram - 695 004

Sl.N o	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
358	33kV XLPE 3x300mm ² outdoor end termination kit	no	17110.00	29.8.2018
359	33kV XLPE 3x300mm ² cold shrinkable straight joint kit	no.	50380.00	7.5.2014
360	End Termination kit for 66kV, 240sqmm Copper cable	no	128620.00	13.08.2018
361	Shield break straight joint suitable for 630sqmm, 110kV XLPE cable	no	259600.00	10.4.2018
362	1x240sqmm Copper cable outdoor termination kit	no	84960.00	6.1.2018
363	22kV outdoor CT 400-200-100/5-5-1-1	no.	34125.00	23.5.2014
364	22kV outdoor CT 200-100/5-5	no.	30975.00	23.5.2014
365	11kV CT 1000-500/5-5A	no.	11750.00	13.10.2015
366	11kV CT type 1000-500/1A	no.	12626.00	25.9.2017
367	11kV CT - outdoor type 800-400/1-1A	no.	26900.00	13.2.2015
368	11kV CT - outdoor type 800-400/5-5-1A	no.	43225.00	22.4.2016
369	11kV CT 800/400/1A	no.	40502.00	9.11.2015
370	11kV CT 800/5A	no.	29925.00	31.10.2015
371	11kV CT 400/1A	no.	13230.00	30.1.2016
372	11kV CT 400-200/1-1A	no.	19530.00	9.12.2016
373	11kV CT 400-200/1-1-1A	no.	24806.25	17.8.2015
374	11kV CT 400-200/1-1-1-1A	no.	34728.00	22.2.2016
375	11kV CT 400-200/5-5-1A	no.	31541.00	11.7.2016
376	11kV CT 400-200/5-5A (outdoor oil cooled)	no.	27043	4.11.2017
377	11kV CT - outdoor type 400-200/5-1A with structure	no.	30525	10.1.2018
378	11kV CT 400-200-100/5-5-1A	no.	40857.00	17.1.2017
379	11kV CT 400-200-100/5-5-1-1A	no.	40857.00	19.10.2016
380	11kV CT 400-300/1-1-1A	no.	28900.00	22.4.2016
381	11kV CT 800-400/5-5-1A	no.	42365.00	26.10.2015
382	11kV CT 800-400-200/5-5-1A	no	28674.00	11.7.2017
383	11kV CT - outdoor type 400-200-100/5-5-1-1A	no.	30975.00	23.5.2014
384	11kV CT - outdoor type 400-200/5-5-1A	no.	31541.00	11.7.2016
385	11kV CT - outdoor type 400-200/5-5A	no.	14535.00	30.1.2017
386	11kV CT - outdoor type 200-100/5-5-1A	no.	28875.00	23.5.2014
387	11kV CT -outdoor type 200-100-50/5-5A	no.	34500.00	16.1.2017
388	11kV CT - outdoor type 200/5-5A	no.	29887.00	4.11.2014
389	11kV CT - outdoor type 200/5-5-1A	no.	29295.00	1.8.2016
390	11kV CT 1000-500/5-5-1A	no.	22160.00	18.10.2016
391	11kV CT 1000/1A	no.	12817.00	8.1.2016
392	11kV CT 1000-500/5 A	no.	14917.00	8.1.2016
393	11kV CT -1000/500/1/1A (oil immersed)	no.	54390.00	5.1.2012
394	11kV CT 400/200/5-5	no.	14535.00	30.1.2017
395	11kV CT 1200/5A	no.	13020.00	3.6.2014

Lekha

CHIEF INTERNAL AUDITOR
KSEB Ltd., Vidyuthi Bhavanam,
Pattom, Thiruvananthapuram

Rajan K R
CHIEF ENGINEER

Supply Chain Management
Kerala State Electricity Board Limited
Vidyuthi Bhavanam, Pattom
Thiruvananthapuram - 695 004

Sl.N o	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
396	11kV CT 1200/1A	no.	16275.00	3.6.2014
397	11kV CT 200/5A (outdoor)	no.	33512	12.3.2018
398	11kV CT 200/1A (Outdoor)	no.	29441	14.6.2018
399	22kV Oil cooled Outdoor CT -200/1A, class PS, KVP 300V Lex 40mA	no	42480.00	11.10.2018
400	11kV Current Transformer - Outdoor resin cast type 400-200/5-5-1A	no.	39760.00	18.8.2017
401	11kV Current Transformer - Outdoor resin cast type 400- 200/5-5A	no.	20290.00	18.7.2017
402	11kV CT 400/200/100/5-5A	no.	3540.00	25.9.2017
403	11kV CT 400/200/100/5-5A (metering class)	no.	2832.00	25.9.2017
404	11kV, CT OD/OIL type	no	33335.00	12.9.2018
405	11kV outdoor Oil Immersed Current Transformer 400- 300/1-1-1A	no.	24500.00	7.8.2017
406	6 phase 11kV 630A VI accessories matching CT ratio 1.333/1A class PS minimum knee point voltage - 320V maximum exciting current <30mA at 50% of knee point voltage. Maximum resistance Rp - 2ohm, Insulation resistance level - 0.66/3kV confirms to IS 2705,1981	no.	4494.00	27.4.2017
407	Outdoor oil cooled single phase wound primary live tank current transformer to IS 2705/1992 Ratio 2000/1-1-1- 1A, HSV, 72.5kV	no.	121894.00	16.9.2017
408	Outdoor, cycloaliphic resin cast wound primary current transformer to IS 2705/1992 Ratio 50-100/1-1A HSV- 36kV, IL -36/70/170kVp, 15VA, class 0.2, STC, 25kA/3sec, 50Hz, insulation-class B, secondary terminals on :P2 side1	no.	42120.00	7.9.2017
409	11kV Resin cast Ring type feeder CT	no	17882.00	1.11.2017
410	11kV Resin cast Ring type Incoming CT	no	238602.00	1.11.2017
411	125kVA DG set	no.	917055.92	14.6.2017
412	Aluminium tubular conductor 4" and 3"	MT	317058.92	25.9.2017

CHIEF INTERNAL AUDITOR

KSEB Ltd., Vidyuthi, Bhavanan

Pattom, Thiruvananthapuram

CHIEF ENGINEER

Supply Chain Management

Kerala State Electricity Board Limited

Vidyuthi Bhavanam, Pattom

Thiruvananthapuram - 695 004