

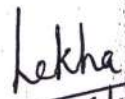
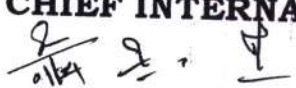
 	KERALA STATE ELECTRICITY BOARD LIMITED	
	(Incorporated under the Companies Act, 1956)	
	OFFICE OF THE CHIEF INTERNAL AUDITOR	
	Registered Office:	VYDYUTHI BHAVANAM, PATTOM, THIRUVANANTHAPURAM - 695 004
	Telephone Nos:	2448584, 2514485 FAX: 0471 - 2448584
E-Mail:	cia@kseb.in , cia@ksebnet.com	
Website:	www.kseb.in	CIN: U40100KL2011SGC027424

No.CIA/WAD/2529/2021-22/ Trans.cost data

CERTIFICATE

This is certify that the list of Cost Data for the First half Year 2020-21 which contains 415 items of transmission materials, forwarded by the Chief Engineer (SCM), vide Lr No, XD/AE2/Transmission Cost Data/2021-22/1886 dtd. 29.03.2022 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 envisage 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. Further, the cost as per previous cost data will prevail for those materials for which no purchases were seen effected during the period and have included in the current cost data.

Thiruvananthapuram
01.04.2022


 9/4/2022
CHIEF INTERNAL AUDITOR


Cost data of Transmission materials for the first half year 2020-21, based on weighted average procurement cost from 1st October 2019 to 31st March 2020				
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	no	1181180.00	22.08.19
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 SF₆ Circuit Breaker	no	529820.00	31.12.2019
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	1912	25.5.2019
9	33kV VCB with Structure (outdoor)	nos	212901.50	15.01.2020
10	Silica Gel (Blue)	kg	212.40	21.03.2018
11	11kV Potential Transformer	no.	31270.00	30.05.2019
12	11kV Outdoor Potential Transformer with supporting structure	no.	42903.60	10.11.2017
13	33kV Potential Transformer	no	25960.00	29.8.19
14	33kV Potential Transformer with Supporting Structure	no.	36655.52	20.10.2017
15	66kV Potential Transformer	no.	59529.82	18.02.2020
16	66kV Potential Transformer with Supporting Structure	no	70894.00	27.3.2017
17	110kV Potential Transformer	no	100831.00	26.10.2019
18	Supporting Structure for 110kV Potential Transformer	no	20178.00	26.10.2019
19	Potential Transformer class 0.2, 220kV/3/10V/3, 60VA	no.	300900.00	16.10.2019
20	400kV Capacitor Voltage Transformer		2,76,651.00	23.1.2016
21	220kV Capacitor Voltage Transformer with structure	no.	206948.00	20.10.2014
22	220kV Capacitor Voltage Transformer	no	145966.00	15.10.2019
23	110kV Capacitor Voltage Transformer with structure	no.	155052.00	28.3.2018
24	110kV Capacitor Voltage Transformer	no	115758.00	15.10.2019
25	Supporting Structure for 110kV Capacitor Voltage Transformer	no	21240.00	15.10.2019
26	66kV Capacitor Voltage Transformer with out structure	no.	1,21,471.00	27.3.2017
27	110kV OD Vacuum Circuit Breaker	no.	109757.71	9.1.2018
28	33kV Vacuum Circuit Breaker	no.	208771.50	13.9.2018
29	Schneider make 11kV 1250A Vacuum Circuit breaker	no.	385624.00	18.7.2017
30	Megawin make Vacuum Circuit Breaker 11kV, 400A	no.	170000.00	26.7.2017

Lekha
CHIEF INTERNAL AUDITOR
KERALA STATE ELECTRICITY BOARD LTD.

DK
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)
31	11kV Outdoor Vacuum Circuit Breaker	no.	374338.00	19.7.2017
32	11kV Vacuum Circuit Breaker 800A with structure	no.	152432.00	21.12.2017
33	11kV Vacuum Circuit Breaker panel (ALSTOM) make	no.	652806.00	12.6.2017
34	11kV VCB Truck (feeder assembly)	no.	321786.00	24.7.2018
35	11kV 400A VCB outgoing Truck	no	218300.00	18.7.2018
36	11kV VCB	no.	498800.00	28.7.2017
37	12kV, 50Hz, 630A Outdoor VCB KIOSK	no	379252.00	23.07.2018
38	11kV VCB feeder panel	no	704000	29.11.2017
39	11kV VCB with supporting structure	no	109757.72	30.7.2018
40	11kV, 1250A, 25kA Outdoor type VCB with supporting structure	no	371392.00	3.1.2018
41	11kV Out going feeder panel	no	674580.50	22.9.2018
42	11kV, 16kA, 630A Outdoor Toproot bushing kiosk VCB panel	No	385344.00	21.11.18
43	LV Panel Board 250A Incoming SFU, 11Nos, 32A SFU and 1 no 160A SFU outgoing metering, TPN Aluminium bus bar (indoor type)	set	1138532.00	29.11.2017
44	12x4mm ² Control Cable	km	401699.38	26.09.2019
45	19x4 mm ² control cable	km	609059.30	26.09.2019
46	2x4 mm ² control cable	km	103367.06	26.09.2019
47	2x2.5mm ² Control Cable	km	75718.24	26.09.2019
48	4x2.5mm ² Control Cable	km	116731.20	20.09.2019
49	6x2.5mm ² Control Cable	Km	1,53,849.00	7.1.2014
50	7x2.5mm ² Control Cable	km	175919.12	26.09.2019
51	10x2.5mm ² Control Cable	Km	2,29,572.00	7.1.2014
52	12x2.5mm ² Control Cable	km	267136.90	26.09.2019
53	19x2.5mm ² Control Cable	km	400828.00	26.09.2019
54	4x4mm ² Control Cable	km	167071.01	26.09.2019
55	11kV, 3x300 mm ² XLPE UG cable	km	1287417.38	30.07.2019
56	11kV, 1x500 mm ² XLPE UG cable	km	623040.00	03.07.2019
57	33kV, 3x300 mm ² XLPE UG cable	km	1751922.74	29.11.2019
58	110kV, 1x400 mm ² XLPE UG cable	Km	34,48,610.00	5.7.2014
59	110kV, 1x500mm ² XLPE Aluminium cable	m	2762.00	2.12.2015
60	400kV Lightning Arrestor	no.	1,28,264.00	26.10.2015
61	220kV Lightning Arrestor with structure	no.	44962.00	26.10.2015
62	110kV Lightning Arrestor without structure	no.	28737.48	26.8.2017
63	110kV Polymer type LA	no	61360	2.2.2019
64	108kV, 10kA, class-2 hanging type Transmission Line Surge Arrestor with disconnect and surge counter	no	75402	3.12.2018

CHIEF INTERNAL AUDITOR
KERALA STATE ELECTRICITY BOARD LTD

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

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
65	96kV, 10kA class 3 polymeric type surge arrester with surge counter and leakage monitor	set	61242.00	27.09.2018
66	33kV Porcelain housed outdoor surge arrester	no	11051.88	19.10.2017
67	30kV, 10kA metal oxide gapless station class-II Polymeric Lightning Arrester with surge monitor and insulating base	no	11198.00	24.7.2017
68	96kV, 10kA station class-III Polymeric Lightning Arrester with surge monitor and insulating base	no	68475.00	28.3.2018
69	220kV Lightning Arrester	no	51700.52	21.12.2019
70	110kV Lightning Arrester	no	31464.7	21.12.2019
71	Supporting structure of 110kV Lightning	no.	7784.46	21.12.2019
72	66kV Lightning Arrester	no.	19589.18	21.12.2019
73	Supporting structure of 66kV Lightning Arrester	no.	7354.00	23.10.2018
74	33kV Lightning Arrester	no	8660.02	3.7.2019
75	Supporting structure of 33kV Lightning Arrester	no	7699.50	3.7.2019
76	22kV Lightning Arrester	no.	11307.00	30.1.2017
77	11kV Lightning Arrester	no	3658.00	7.8.2019
78	11kV Lightning Arrester structure	no	1961.16	03.07.2019
79	Surge counters with leakage current monitor for lightning arrester	no	1062000.00	22.05.2018
80	228kV, 10kA hanging type Transmission line surge arrester with disconnector	set	83308.00	11.12.2017
81	160KN Disc Insulator	no.	775.00	3.3.2017
82	120KN Disc Insulator (ceramic)	no.	578.2	25.11.2019
83	90KN Disc Insulator(porcelain)	no.	496.78	25.11.2019
84	70KN Disc Insulator (ceramic)	no.	423.62	25.11.2019
85	45KN Disc Insulator (composite polymer)	no	134.72	28.05.2019
86	220kV, 120KN silicon rubber housed composite polymer insulator	no.	3846.80	27.10.2018
87	220kV, 120KN polymer insulator	no	3520.88	22.10.2019
88	220kV, 90KN silicon rubber housed composite polymer insulator (suspension	no.	3345.18	22.10.2019
89	220kV, 120KN tension composite polymer insulator		3847	5.4.2018
90	110kV, 90KN silicon rubber housed composite polymer insulator	no.	2677.42	15.1.2019
91	110kV, 90KN polymer insulator	no	1975.00	22.10.2019
92	110kV, 90KN tension composite polymer insulator	no.	1975	23.10.2019
93	110kV, 70kN composite polymer Disc Insulator(suspension type)	no	1965	23.10.2019

Lekha
CHIEF INTERNAL AUDITOR
KERALA STATE ELECTRICITY BOARD LTD.

Ph
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)
94	110kV, 70KN silicon rubber housed composite polymer insulator	no.	2339.00	21.5.2016
95	66kV Silicon rubber composite insulator (Polymer insulator)	no	1740.50	20.7.2018
96	66kV support insulator	no	77880.00	6.11.2017
	RELAYS			
97	Control Relay 10A (4 NO + ONC)	no	955.8	3.8.2018
98	Over current & high sensitive Earth fault Numerical Relay for feeder panel	no	22420.00	25.9.2019
99	Sensitive Earth fault relay(Numerical)	no	21830	27.6.2019
100	Panel mounting MICOM P442 Distance relay	no	162250.00	8.3.2018
101	Numerical distance relay	no	241900.00	08.07.2019
102	Bucholz relay for 12.5MVA, 110/11kV Transformer	no	16000.00	28.3.2018
103	Transformer protection relay for 200MVA Transformer	no	177920.00	15.11.2017
104	Differential Relay	no	115200.00	20.10.2017
105	Numerical Transformer Differential Relay	no	248800.00	13.3.2018
106	Master trip Relay	no	3200.00	20.10.2017
107	REF Relay	no	5760.00	20.10.2017
108	Distance protection Relay	set	162250	24.6.2019
109	110kV capacitor bank control & protection relay		271400	28.3.2019
110	220kV/110kV, 160MVA transformer C&R panel with transfer bus facility	no.	10,14,506.00	5.11.2016
111	220/110kV,100MVA transformer control & relay panel (HV & LV side)	sets	840302.00	31.12.2018
112	11kV Busbar of 110/11kV, 20 MVA Transformer	sets	136252.00	23.05.2018
113	110/11kV transformer control & relay panel (primary side only)	nos.	489110.00	24.1.20
114	110/66kV transformer control and relay panel	sets	3,97,000.00	4.7.2011
115	110/33 kV,16MVA transformer control and relay panel (HV & LV side)	nos.	634674.80	24.01.2020
116	66/33kV,16MVA transformer control & relay panel	sets	5,92,736.00	22.1.2014
117	66kV/11kV transformer control & relay panel	nos.	469515.00	31.12.2018
118	33kV/11kV transformer control & relay panel	nos.	267478.86	24.1.2020
119	66kV/11kV transformer control & relay panel (primary side)	sets	469515.00	27.7.2018
120	33kV/11kV transformer control & relay panel (primary side)	sets	285135.00	27.7.2018
121	33kV IVCB 3 Panel set 2000A with spares	sets	3274196.00	9.01.2019
122	220/110kV Transformer control & relay panel	sets	794534.12	24.01.2020
123	220kV feeder control & relay panel	sets	631300.00	24.01.2020

Lekha
CHIEF INTERNAL AUDITOR
KERALA STATE ELECTRICITY BOARD LTD

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

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
124	220kV Bus coupler panel	no.	2,14,993.00	13.8.2008
125	110kV feeder control & relay panel	nos.	458723.82	24.01.2020
126	110kV cable feeder control & relay panel with current differential relay	set	1126900.00	9.5.2019
127	66kV feeder control & relay panel	sets	440140.00	27.7.2018
128	33kV feeder control & relay panel	nos.	240032.06	24.1.2020
129	33kV 3 panel set	sets	3162400.00	9.2.2018
130	33kV 4 panel set	sets	24,84,257.00	31.8.2013
131	LT Panel	no	160734	29.11.2018
132	LT Distribution panel	no	242176.00	13.10.2017
133	DC Distribution panel Board	set	178000.00	9.7.2018
134	11kV 10 panel set with spares suitable for transformer of capacity upto 16MVA(1250A)	sets	4534793.00	22.11.2019
135	11kV 10 panel set with spares suitable for transformer of capacity for 16 MVA & 20MVA (2000A)	sets	5202684.90	22.11.2019
136	11kV Indoor VCB 14 panel set with spares (1250A)	sets	6045987.24	22.11.2019
137	220kV bus bar protection panel for double bus with bus coupler and 8 bays	no.	2166480.00	16.11.2015
138	220kV bus bar protection panel for double bus with bus coupler and 6 bays	no.	19,68,122.00	16.11.2015
139	220kV bus bar protection panel for single bus with bus Isolator and 6 bays	no.	13,36,989.00	16.11.2015
140	11kV Incomer outdoor cubicle	no.	2,69,689.00	20.12.2010
141	11kV, 800 A AB switch	no.	23625.00	27.1.2016
142	11kV, 630 A AB switch	no.	16366.60	23.10.2017
143	11kV, 630 A Station class AB switch	no.	17570.20	01.01.2019
144	33kV Polymer type Pin with Insulator	no	444.00	20.12.2017
145	33kV Pin Insulator with pin	sets	814.20	16.11.2019
146	11kV Polymer pin insulator with pin	no	179.36	7.9.2019
147	110V, 100 AH, VRLA battery	sets	153926.00	14.02.2020
148	2V, 100 AH, VRLA type CELL	no	3584.00	21.12.2017
149	110V, 200 AH, VRLA battery	sets	97768.00	5.2.2011
150	100 AH, tubular lead acid battery	sets	231680.00	6.9.2018
151	200 AH, tubular lead acid battery	sets	278784.00	12.2.2018
152	220V, 200AH Plante type station battery	no	1843380.00	3.9.2019
153	110V,100 AH plante type battery	sets	462336.00	20.09.2019
154	110V,200 AH plante type battery	sets	957320.00	14.02.2020

CHIEF INTERNAL AUDITOR
KERALA STATE ELECTRICITY BOARD LTD.

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

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
155	110V,400 AH plante type battery	sets	1517200.00	14.02.2020
156	110V, 200AH Tubular battery	set	270420.48	23.10.2019
157	15A Battery charger	no.	89798.00	11.11.2019
158	30A Battery charger	no.	95698.00	11.11.2019
159	60A Battery charger	no.	142898.00	11.11.2019
160	ACSR Wolf	Km	123487	28.1.2019
161	ACSR Dog	km	70634.80	21.8.2019
162	ACSR Moose	Km	391840.00	25.4.2017
163	ACSR Kundah	Km	2,00,235.00	4.2.2017
164	ACSR Lynx	km	151040.00	16.1.2018
165	220kV rigid type spacers for ACSR triple Bersimis Conductor	nos	1104.48	8.5.2018
166	Die set for ACSR Kundah (Al + Steel)	no	15340.00	24.04.2018
167	G.I Earth strip 50 x 6mm	kg	71.00	15.5.2019
168	G.I Earth wire (7/3.15 mm dia)	km	45932.24	24.12.2019
169	G.I Earth wire (7/3.66 mm dia)	km	62537.64	27.05.2019
170	G.I. Earth Pipe 50mm dia, 3.48mm thick, 3m long	nos	918.75	20.03.2018
171	G.I. Earth Pipe 40mm dia, 2.5m long	nos	687.75	21.10.2017
172	G.I. Earth Pipe 60mm dia, 4mm thick, 3m long with C clamp	nos	4050.00	29.05.2018
173	G.I. Earth Pipe 30mm dia, 3m long	nos	3363.00	3.11.2018
174	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
175	Yard structure (Tubular type)	MT	71539.00	14.12.2016
176	Yard structure (Lattice type)	MT	66906.50	7.12.2017
177	Tower HTS (for both heavy and light angles)	MT	94990.00	26.10.2017
178	Tower MS (for both heavy and light angles)	MT	78529.00	25.11.2019
179	Tower HTS (for light angle only)	MT	69997.00	21.2.2016
180	Tower MS (for light angle only)	MT	65872.00	21.2.2016
181	Galvanised steel yard structure	MT	81007.71	16.10.2018
182	Transformer oil	kl	92807.00	22.5.2019
183	17.5kV, 630A, LV Bushing	no	18000.00	19.09.2018
184	72.5kV, 800A Bushing	no	275333	23.3.19
185	145kV, 800A bushing	no	480000.00	24.11.2017
186	145kV OIP Bushing 2000A, 300BCT	no	224200.00	21.6.2018
	Power Transformer			
187	400kV/220kV/33kV 105 MVA	no.	3,75,61,726.00	2.4.2012
188	220kV/110kV, 66.67 MVA	no.	2,04,83,375.00	17.9.2016
189	220kV/110kV, 66.67 MVA single phase transformer	nos.	26609000.00	25.01.2019

CHIEF INTERNAL AUDITOR
KERALA STATE ELECTRICITY BOARD LTD.

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

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
190	220kV/110kV, 200MVA	no.	64546000.00	19.9.2017
191	220/110kV, 200MVA 3 phase auto tranformer	no.	68912000.00	20.1.2020
192	220kV/110kV, 160MVA	no.	5,21,42,500.00	30.6.2017
193	220kV/33kV, 100MVA	no.	47893613.00	16.11.2015
194	110kV/11kV, 12.5MVA	no.	12720400.00	16.11.2019
195	110kV/33kV, 16MVA	no.	13852855.00	19.1.19
196	110kV/33kV, 16MVA 3 Phase transformer	nos.	13852855.00	19.01.2019
197	110kV/33kV, 25MVA	no.	15815540.00	26.9.2017
198	110kV/22kV, 25MVA	no.	1,52,03,589.00	3.12.2009
199	110kV/11kV, 20MVA	no.	18231000.00	27.05.2019
200	66kV/33kV, 16MVA	no.	13366860.00	18.12.2007
201	66kV/11kV, 16MVA	no.	92,78,530.00	30.6.2017
202	66kV/11kV, 10MVA	no.	9451800.00	24.3.2018
203	33kV/11kV, 5MVA (outdoor)	no.	3589676.00	1.12.2015
204	33/11kV 5MVA 3 phase transformer (outdoor) with cable entry box	nos.	5082260.00	10.10.2018
205	33kV/11kV, 5MVA (indoor)	no.	4203387.00	24.1.2018
206	33kV/11kV, 8MVA outdoor transformer	no.	6871628.52	20.09.2019
207	33kV/11kV, 5MVA outdoor transformer with cable entry box	no.	3863036.00	14.10.2016
208	33kV/11kV, 8MVA outdoor transformer with cable entry box	no.	52,40,760.00	19.12.2016
	LINE ISOLATORS			
209	420kV, 2000A pantograph Isolator with earth switch	no.	2,18,362.00, structure- Rs 21566.14	18.8.2011
210	420kV, 2000A triple pole line Isolator with structure	no.	7,00,657.00	25.4.2012
211	420kV, 2000A single pole line Isolator with structure	no.	2,72,394.00	25.4.2012
212	220kV, 1250A triple pole single centre break gang operated Line Isolator with Structure(Motorised)	sets	444624.00	26.4.2018
213	220kV 2000A triple pole single centre break gang operated Line Isolator with Structure	sets	3,04,036.00	9.2.2010
214	220kV 1600A triple pole single centre break gang operated Line Isolator with out Structure	sets	3,53,944.00	12.2.2016
215	220kV 1600A triple pole single centre break gang operated Line Isolator with Structure	sets	3,85,944.00	7.11.2016
216	110kV 800A triple pole double break gang operated Line Isolator with out Structure	sets	2,16,097.00	22.4.2015
217	110kV 800A triple pole double break gang operated Line Isolator with Structure	sets	251724.00	26.4.2018
218	66kV, 800A triple pole double break gang operated Line Isolator with Structure.	sets	1,11,591.00	29.6.2015
219	33kV, 800A triple pole Line Isolator with Structure	sets	93506.00	29.11.2016
220	33kV, 800A Line Isolator	sets	50047.00	18.4.2016
221	33kV Line Isolator without structure	sets	73042.00	28.6.2018
222	11kV, 800A Line Isolator with Structure	sets	41300.00	26.10.2017
	BUS ISOLATORS			

Lekha
CHIEF INTERNAL AUDITOR
 KERALA STATE ELECTRICITY BOARD LTD.

Dh
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)
223	220kV,2500A triple pole single centre break gang operated Bus isolator with Structure(Motorised)	sets	5,16,490.00	12.2.2016
224	220kV,1250A triple pole single centre break gang operated Bus isolator with Structure(Motorised)	sets	2,53,091.00	25.7.2015
225	220kV, 2000A triple pole single centre break gang operated Bus isolator	sets	2,99,212.00	12.2.2016
226	220kV, 1600A triple pole single centre break gang operated Bus isolator without Structure	sets	2,88,265.00	12.2.2016
227	220kV, 1600A triple pole single centre break gang operated Bus isolator with Structure	sets	411584.00	26.4.2018
228	110kV, 1600A triple pole double break gang operated Bus isolator	sets	1,86,680.00	12.2.2016
229	110kV, 1250A triple pole double break Bus isolator	sets	1,69,227.00	12.2.2016
230	110kV, 1200A triple pole double break Bus isolator with Structure	set	223141.54	19.09.2019
231	110kV, 1200A single pole double break Bus isolator with Structure	set	151254.00	11.5.2009
232	110kV, 800A triple pole double break gang operated Bus isolator	set	212647.8	6.10.2018
233	110kV, 800A triple pole double break gang operated Bus isolator with Structure	set	206706.50	19.9.2019
234	110kV ,800A triple pole line isolator and structure	set	245440.00	19.09.2019
235	66kV, 800A triple pole Bus isolator with Structure	sets	1,28,652.00	29.11.2016
236	33kV, 800A triple pole Bus isolator with Structure	set	80635	19.09.2019
237	33kV, 800A triple pole Line isolator with Structure	set	93,627.00	19.09.2019
238	33kV, 800A Bus isolator	sets	55610.00	18.4.2016
239	11kV, 800A Bus isolator	sets	51297.00	25.7.2014
240	11kV, 800A Bus isolator with structure	sets	34220.00	26.10.2017
CURRENT TRANSFORMERS				
241	400kV Current transformer 2000/1000/500/1A(5C)	no.	6,44,818.00	22.12.2015
242	220kV current transformer 2000-1000-500/1-1-1-1A	no	244214.00	28.4.2012

Lekha
CHIEF INTERNAL AUDITOR
KERALA STATE ELECTRICITY BOARD LTD.

Dh
CHIEF ENGINEER
Supply Chain Management
Kerala State Electricity Board Limited
Vydyuthi Bhavanam, Pattom
Thiruvananthapuram - 695 004

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
243	Supporting structure of 220kV current transformer 2000-1000-500/1-1-1-1A	no.	23600.00	21.7.2018
244	220kV Current transformer 1600/800/1-1-1-1-1A	no.	293820.00	18.02.2020
245	220kV Current transformer 1200/600/1-1-1-1-1A with Structure	no.	2,80,038.00	7.12.2012
246	220kV Current transformer 1200/800/1-1-1-1-1A	no.	273760.00	18.02.2020
247	220kV Current Transformer 800/400/1-1-1-1-1A	no.	3,29,282.00	1.8.2014
248	220kV Current Transformer 600/300/1-1-1-1-1A	no.	283200.00	18.02.2020
249	220kV Current Transformer 200/1-1-1-1-1A	no.	261960.00	18.02.2020
250	220kV Current Transformer(Live tank) 800/1A 5C	no.	279660.00	18.02.2020
251	220kV Current Transformer 150-100-50/1A, 0.25 class		902700.00	26.10.2017
252	110kV Current transformer 1600/800/1-1-1-1-1A with Structure	no.	2,03,686.00	1.8.2014
253	110kV current transformer 1000/500/1-1-1-1-1A	no.	2,21,468.00	27.10.2015
254	110kV Current transformer 1200/600/1-1-1-1-1A	no.	149978.00	13.9.2017
255	110kV Current transformer 1200/600/1-1-1-1-1A	no.	188741.00	25.01.2020
256	110kV Current transformer 800/400/1-1-1-1-1A with Structure	no.	1,63,071.00	1.8.2014
257	110kV Current transformer 800/400/1-1-1-1-1A Live tank	no.	177590.00	25.01.2020
258	110kV Current transformer 800/400/1-1-1-1-1A	no.	133517.00	13.9.2017
259	110kV Current transformer 400/200/100/1-1-1-1A	no.	165141.00	25.01.2020
260	110kV Current transformer 400/200/100/1-1-1-1A Live Tank	no.	146320	1.03.2019
261	Supporting structure for 110kV current transformer	no.	20178.00	25.01.20
262	110kV Current transformer 300/150/75/1-1-1-1A with Structure	no.	1,75,897.00	1.8.2014
263	110kV Current transformer 600/300/150/1-1-1-1A with Structure	no.	138060.00	1.03.2019
264	110kV current transformer, 100-50/1A	no.	1,09,054.00	24.1.2015
265	110kV Current Transformer with rain guard (700 x 850 x300)	no.	24190.00	28.06.2018
266	66kV Current transformer 600/300/150/75/1-1-1-1A	no.	80828.82	24.02.2020
267	66kV CT live tank 600/300/150/1A	no.	76687.02	24.02.2020
268	66kV Current transformer 400/200/100/50/1-1-1-1A	no.	87307.02	24.02.2020
269	66kV Current transformer live tank 400/200/100/-1A	no.	80191.62	24.02.2020
270	66kV Current transformer -outdoor (oil filled)	no.	135700.00	7.2.2018

lekha
CHIEF INTERNAL AUDITOR
KERALA STATE ELECTRICITY BOARD LTD.

Dh
CHIEF ENGINEER
Supply Chain Management
Kerala State Electricity Board Limited
Vydyuthi Bhavanam, Pattom
Thiruvananthapuram - 695 004

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
271	33kV Current transformer 400/200/100/1-1-1A outdoor	no.	30326.00	21.4.2018
272	Supporting structure of 33kV Current transformer 400/200/100/1-1-1A Outdoor	no.	18880.00	21.4.2018
273	33kV Current transformer 400/200/100/1-1-1A outdoor	no	43188.00	24.06.2019
274	33kV Current Transformer 600/300/150/1-1-1-1A	no	46728.00	12.10.2017
275	33kV CT 2000/1-1-1-1A	no.	76808.00	4.2.2017
276	33kV Outdoor CT 400-200-100/1-1-1A with structure	no	60534.00	16.1.2019
277	33kV Current transformer 300/150/1-1-1-1A	no.	44093.00	18.7.2016
278	33kV Current transformer 300/150/1-1-1A	no.	46179.00	26.11.2016
279	33kV outdoor CT 1600/1	no.	40243.00	18.2.2012
280	33kV outdoor CT 200/1	no.	25585.00	9.2.2015
281	33kV CT 100/1A	no.	16695.00	30.1.2016
282	33kV CT		66220.00	28.02.2019
283	11kV outdoor CT 400/200/5-5A	no	21701.21	Aug-19
284	11kV Current Transformer with structure	no	30090.00	6.12.2017
285	11kV resin cast type Current Transformer - Indoor 400/200/5A	no.	59826.00	30.5.2019
286	11kV resin cast Current Transformer - 200/1A	no	29441.00	30.5.2019
287	11kV Current Transformer - 400/200/1-1-1A	no	25724.00	24.04.2019
NEUTRAL CURRENT TRANSFORMERS				
288	110kV neutral current transformer 400/200/100/1A	no.	23116.00	29.8.2013
289	110kV neutral current transformer 300/150/75/1A	no.	23116.00	29.8.2013
290	66kV neutral current transformer	no	28202.00	08.05.2019
291	66kV neutral current transformer 150/75/1A	no.	21769.00	26.4.2017
292	33kV neutral current transformer 400/200/100/1A	no.	27678.00	26.4.2017
293	33kV neutral current transformer 100/1A	no.	92372.00	28.4.2016
294	11kV NCT 400/1A	no.	33751.00	28.4.2016
295	11kV Resin cast NCT (400-200/5A)	no	59826.00	30.05.2019
296	11kV NCT 400/1A with structure (oudoor)	no	26545.00	10.1.2018
297	11kV outdoor Oil immersed NCT		31279	12.12.18
OTHER MATERIALS				
298	220kV Transmission Line arrester	no	79827.00	9.3.2018
299	110kV Transmission Line arrester	no	72924.00	8.5.2018
300	Fault Passage Indicator	no	17385.00	13.3.2018
301	11kV CCC type Ring Main unit	no	303850.00	10.6.2018

Lekha
CHIEF INTERNAL AUDITOR
KERALA STATE ELECTRICITY BOARD LTD.

Dh
CHIEF ENGINEER
Supply Chain Management
Kerala State Electricity Board Limited
Vydyuthi Bhavanam, Pattom
Thiruvananthapuram - 695 004

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
302	EHT Metering KIOSK (1200 x 1000 x 550)	no	43070.00	28.6.2018
303	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
304	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
305	Marshalling Box made of 2.5mm mild steel. Height 120cm X width 80cm X depth 50mm with shutter	No.	32000.00	25.2.19
306	Cork Gasket sheet (915 x 915 x 6 mm)	sheet	1227.20	10.4.2018
307	Cork Gasket sheet (915 x 915 x 10 mm)	sheet	1534.00	10.4.2018
308	Gasket sheet (900x900x9.6mm)	sheet	4879.00	5.3.2019
309	HT Discharge rod	no	2714.00	3.7.2018
310	Earth Discharge Rod	no	6990.00	5.8.2019
311	Earth rod with clamping head, 3m long with 10mm long wire	no	4696.00	14.11.2017
312	Earth rod with clamping head, 3m long with 15mm long wire	no	4696.00	28.6.2018
313	Earth rod with clamping head, 2.5m long with 15mm long wire	no	5310.00	28.6.2018
314	Insulated Rubber Mat - 11kV grade (2m x 1m x 2mm)	no	3510.53	13.6.2018
315	11kV Switch gear panel with spares	set	1121229.00	27.02.2018
316	Come along clamp	no	112690.00	17.4.2018
317	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
318	5kV Megger with accessories	no	430700	26.02.2018
319	Capacitor units - 595.23kVAR, 110kV	no	67000.00	2.06.2018
320	32 mm MS Rod	MT	62894.00	12.11.18
321	25mm MS Rod	MT	50768.00	20.2.2015
322	11kV, Vacuum Circuit breaker with supporting structure	no.	371392.02	3.1.2018
323	11kV, Vacuum circuit breaker, 630A, 26.3KA	no.	46,25,50	14.3.2017
324	11kV, Vacuum circuit breaker, 400A, 25KA	no.	1,53,458.00	7.3.2017
325	11kV VCB panel	set	652806.00	12.06.2017
326	11kV Panel with Vacuum circuit breaker	no.	496401.00	14.3.2017
327	11kV Floor mounting C& R panel (I/D)	no.	112041.00	03.1.2018
328	11kV Vacuum Circuit Breaker 1250A Vacuum Interruption 'Type VG2'	no.	3,77,400.00	9.9.2016
329	11kV CT Outdoor type 400-200-100/5-5-1A	no.	42962.00	28.9.2017

Lekha
CHIEF INTERNAL AUDITOR
 KERALA STATE ELECTRICITY BOARD LTD.

Ph
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)
330	11kV XLPE 1x300mm ² heat shrinkable outdoor cable end kit		2950.00	29.11.18
331	11kV XLPE 1x300mm ² heat shrinkable straight joint kit		7080.00	19.12.18
332	11kV XLPE 3x300mm ² heat shrinkable outdoor end joint kit	No	2950.00	16.9.2017
333	11kV XLPE 3x300mm ² heat shrinkable Indoor end joint kit	no.	3304	31.8.2018
334	11kV XLPE 3x300mm ² heat shrinkable Indoor straight joint kit	no.	6412.00	28.6.2017
335	11kV XLPE 3x300mm ² heat shrinkable straight joint kit	no.	13983.00	23.9.2017
336	11kV XLPE 3x300mm ² heat shrinkable outdoor straight joint kit	no.	7710.00	10.3.2017
337	11kV XLPE 3x300mm ² heat shrinkable Indoor end termination kit	no.	2950	11.10.2017
338	11kV XLPE 3 x 500sqmm heat shrinkable outdoor end termination kit	no	1770.00	22.3.2018
339	11kV XLPE 3 x 500sqmm heat shrinkable Indoor end termination kit	no	1524.00	22.3.2018
340	11kV XLPE 1x500mm ² heat shrinkable indoor straight joint kit	no.	5496.00	25.11.2016
341	11kV XLPE 1x500mm ² heat shrinkable indoor end joint kit	no.	2509.84	23.9.2017
342	11kV XLPE 1x500mm ² heat shrinkable outdoor end joint kit	no.	2599.00	23.9.2017
343	11kV XLPE 1x500mm ² heat shrinkable outdoor straight joint kit	no.	1718.00	14.4.2017
344	11kV XLPE 1x500mm ² heat shrinkable indoor end Termination kit	no.	1593.00	24.01.19
345	11kV XLPE 1x500mm ² heat shrinkable outdoor end Termination kit	no.	1770.00	24.01.19
346	22kV, 3 x 300sqmm XLPE heat shrinkable type cable termination kit	no	8614.00	7.12.2017
347	22kV, 3 x 500sqmm XLPE heat shrinkable type cable termination kit	no	6254.00	15.3.2018
348	33kV XLPE 3x300mm ² heat shrinkable outdoor straight joint kit	no.	23600.00	12.2.19
349	33kV XLPE 3x300mm ² heat shrinkable outdoor cable end termination kit	no.	10030.00	18.5.2019
350	33kV XLPE 3x300mm ² heat shrinkable Indoor cable end joint kit	no.	6298.00	7.5.2016
351	33kV XLPE 3x300mm ² heat shrinkable indoor cable end termination kit	no.	13969.00	9.6.2017
352	33kV XLPE 3x300mm ² heat shrinkable straight joint kit	no	26904.00	18.05.2019
353	33kV XLPE 3x300mm ² cold shrinkable outdoor cable end joint kit	no.	22900.00	7.5.2014
354	33kV XLPE 3x300mm ² outdoor end termination kit	no	17110.00	29.8.2018

Lekha
CHIEF INTERNAL AUDITOR
KERALA STATE ELECTRICITY BOARD LTD.

Ph
CHIEF ENGINEER
Supply Chain Management
Kerala State Electricity Board Limited
Vydyuthi Bhavanam, Pattom
Thiruvananthapuram - 695 004

Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
355	33kV XLPE 3x300mm ² cold shrinkable straight joint kit	no.	50380.00	7.5.2014
356	End Termination kit for 66kV, 240sqmm Copper cable	no	128620.00	13.08.2018
357	Shield break straight joint suitable for 630sqmm, 110kV XLPE cable	no	259600.00	10.4.2018
358	1x240sqmm Copper cable outdoor	no	76000.00	03.06.20219
359	22kV outdoor CT 400-200-100/5-5-1-1	no.	34125.00	23.5.2014
360	22kV outdoor CT 200-100/5-5	no.	30975.00	23.5.2014
361	11kV CT 1000-500/5-5A	no.	11750.00	13.10.2015
362	11kV CT type 1000-500/1A	no.	12626.00	25.9.2017
363	11kV CT - outdoor type 800-400/1-1A	no.	26900.00	13.2.2015
364	11kV single phase CT - outdoor type 800-400/5-5-1A	no.	152043.00	29.02.2020
365	11kV CT 800/400/1A	no.	40502.00	9.11.2015
366	11kV CT 800/5A	no.	29925.00	31.10.2015
367	11kV CT 400/1A	no.	13230.00	30.1.2016
368	11kV CT 400-200/1-1A	no.	19530.00	9.12.2016
369	11kV CT 400-200/1-1-1-1A	no.	34728.00	22.2.2016
370	11kV CT 400-200/5-5-1A	no.	31541.00	11.7.2016
371	11kV CT 400-200/5-5A (outdoor oil cooled)	no.	27043	4.11.2017
372	11kV CT - outdoor type 400-200/5-1A with structure	no.	30525	10.1.2018
373	11kV CT 400-200-100/5-5-1A	no.	40857.00	17.1.2017
374	11kV CT 400-200-100/5-5-1-1A	no.	40857.00	19.10.2016
375	11kV CT 400-300/1-1-1A	no.	28900.00	22.4.2016
376	11kV CT 800-400/5-5-1A	no.	42365.00	26.10.2015
377	11kV CT 800-400-200/5-5-1A	no	28674.00	11.7.2017
378	11kV CT - outdoor type 400-200-100/5-5-1-1A	no.	30975.00	23.5.2014
379	11kV CT - outdoor type 400-200/5-5-1A	no.	31541.00	11.7.2016
380	11kV CT - outdoor type 400-200/5-5A	no.	14535.00	30.1.2017
381	11kV CT - outdoor type 200-100/5-5-1A	no.	28875.00	23.5.2014
382	11kV CT - outdoor type 200-100-50/5-5A	no.	34500.00	16.1.2017
383	11kV CT - outdoor type 200/5-5A	no.	29887.00	4.11.2014
384	11kV CT - outdoor type 200/5-5-1A	no.	29295.00	1.8.2016
385	11kV CT 1000-500/5-5-1A	no.	22160.00	18.10.2016
386	11kV CT 1000/1A	no.	12817.00	8.1.2016
387	11kV CT 1000-500/5 A	no.	14917.00	8.1.2016
388	11kV CT -1000/500/1/1A (oil immersed)	no.	54390.00	5.1.2012
389	11kV CT 400/200/5-5	no.	14535.00	30.1.2017
390	11kV CT 1200/5A	no.	13020.00	3.6.2014

CHIEF INTERNAL AUDITOR
KERALA STATE ELECTRICITY BOARD LTD.

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)
391	11kV CT 1200/1A	no.	16275.00	3.6.2014
392	11kV CT 200/5A (outdoor)	no.	33512	12.3.2018
393	11kV CT 200/1A (Outdoor)	no.	29441	14.6.2018
394	22kV Oil cooled Outdoor CT -200/1A, class PS, KVP 300V Lex 40mA	no	42480.00	11.10.2018
395	11kV Current Transformer - Outdoor resin cast type 400-200/5-5-1A	no.	39760.00	18.8.2017
396	11kV CT 400/200/100/5-5A	no.	3540.00	25.9.2017
397	11kV CT 400/200/100/5-5A (metering class)	no.	2832.00	25.9.2017
398	11kV, CT OD/OIL type	no	33335.00	12.9.2018
399	11kV outdoor Oil immersed Current Transformer 400-300/1-1-1A	no.	24500.00	7.8.2017
400	8 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:2705,198	no.	4494.00	27.4.2017
401	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
402	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
403	11kV Resin cast Ring type feeder CT	no	17882.00	1.11.2017
404	11kV Resin cast Ring type Incomer CT	no	238602.00	1.11.2017
405	125kVA DG set	no.	917055.92	14.6.2017
406	Aluminium tubular conductor 4" and 3"	MT	317058.92	25.9.2017
407	S type narrow based tower	set	830307.59	30.07.19
408	+ 18 - base Extension for 'S' tower	no	954242.99	30.07.19
409	11 kV CT 600/300/1-1A	1 no.	30562.00	08.05.2019
410	RR Type RMU, 11 kV 630A, out door	1no.	293820	05.07.2019
411	400 kV/220kV/66kV Post Insulator	1 no.	483741	30.07.2019
412	11kV XLPE 1x500 mm2 out door "Gee Seal" H.S components and Accessories	Set	24780	02.05.2019
413	11kV XLPE 1x500 mm2 indoor "Gee Seal" H.S components and Accessories	Set	21476	02.05.2019
414	11 kV Resin cast CT 200/1A	Nos.	29441	30.05.2019
415	11kV 3 pole Outdoor PC VCB with PT and C&R panel	set	420764	29.2.2020

CHIEF INTERNAL AUDITOR
KERALA STATE ELECTRICITY BOARD LTD.

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