

 	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/723/2022-23/ Trans.cost data

CERTIFICATE

This is certify that the list of Cost Data for the First half Year 2021-22 which contains 411 items of transmission materials, forwarded by the Chief Engineer (SCM), vide Lr.No.SCM/XD/AE2/Transmission Cost Data/2021-22/1521 dt. 14.03.2022 & 20.06.2022 & Lr. No.SCM/XD/AE2/ Trans.Cost.Data/2022-23/4496 dt. 25.08.2022 have 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
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2021-22

Cost data of Transmission materials for the first half year ~~2020-21~~, based on weighted average procurement cost from 1st October 2020 to 31st March 2021

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	1194748.82	10.12.2020
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	506454.82	10.12.2020
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	224798.00	10.12.2020
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	30444.00	28.10.2020
14	Supporting Structure for 33kV Potential Transformer	no.	18288.82	28.10.2020
15	66kV Potential Transformer	no.	59529.82	15.12.2020
16	66kV Potential Transformer with Supporting Structure	no	70894.00	27.3.2017
17	110kV Potential Transformer	no	100713.00	10.12.2020
18	Supporting Structure for 110kV Potential Transformer	no	22184.00	10.12.2020
19	Potential Transformer class 0.2, 220kV/3/10V/3, 60VA	no.	312110.00	10.12.2020
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	172280.00	17.12.2020
23	110kV Capacitor Voltage Transformer with structure	no.	155052.00	28.3.2018
24	110kV Capacitor Voltage Transformer	no	122484.00	17.12.2020
25	Supporting Structure for 110kV Capacitor Voltage Transformer	no	22302.00	17.12.2020
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

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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 Incomer 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	391021.51	2.02.2021
45	19x4 mm ² control cable	km	609059.30	26.09.2019
46	2x4 mm ² control cable	km	95258.95	2.02.2021
47	2x2.5mm ² Control Cable	km	69052.09	2.02.2021
48	4x2.5mm ² Control Cable	km	109115.26	2.02.2021
49	6x2.5mm ² Control Cable	Km	1,53,849.00	7.1.2014
50	7x2.5mm ² Control Cable	km	167428.12	2.02.2021
51	10x2.5mm ² Control Cable	Km	2,29,572.00	7.1.2014
52	12x2.5mm ² Control Cable	km	258822.62	2.02.2021
53	19x2.5mm ² Control Cable	km	392483.10	02.02.2021
54	4x4mm ² Control Cable	km	157729.56	2.02.2021
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	110kV Polymer type LA	no	61360	2.2.2019
62	108kV, 10kA, class-2 hanging type Transmission Line Surge Arrestor with disconnector and surge counter	no	75402	3.12.2018

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Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
63	96kV, 10kA class 3 polymeric type surge arrester with surge counter and leakage monitor	set	61242.00	27.09.2018
64	33kV Porcelain housed outdoor surge arrester	no	11051.88	19.10.2017
65	30kV, 10KA metal oxide gapless station class-II Polymeric Lightning Arrester with surge monitor and insulating base	no	11198.00	24.7.2017
66	96kV, 10KA station class-III Polymeric Lightning Arrester with surge monitor and insulating base	no	68475.00	28.3.2018
67	220kV Lightning Arrester	no	49693.1	10.12.2020
68	110kV Lightning Arrester	no	29899.36	10.12.2020
69	Supporting structure of 110kV Lightning Arrester	no.	6596.17	10.12.2020
70	66kV Lightning Arrester	no.	18396.53	10.12.2020
71	Supporting structure of 66kV Lightning Arrester	no.	7354.00	23.10.2018
72	33kV Lightning Arrester	no	7810.42	10.12.2020
73	Supporting structure of 33kV Lightning Arrester	no	7102.42	10.12.2020
74	22kV Lightning Arrester	no.	11307.00	30.1.2017
75	11kV Lightning Arrester	no	3658.00	7.8.2019
76	11kV Lightning Arrester structure	no	1961.16	03.07.2019
77	Surge counters with leakage current monitor for lightning arrester	no	1062000.00	22.05.2018
78	228kV, 10KA hanging type Transmission line surge arrester with disconnector	set	83308.00	11.12.2017
79	160KN Disc Insulator	no.	775.00	3.3.2017
80	120KN Disc Insulator (ceramic)	no.	607.7	24.12.2020
81	90KN Disc Insulator(porcelain)	no.	587.64	24.12.2020
82	70KN Disc Insulator (ceramic)	no.	423.62	25.11.2019
83	45KN Disc Insulator (composite polymer)	no	134.72	28.05.2019
84	220kV, 120KN silicon rubber housed composite polymer insulator	no.	3846.80	27.10.2018
85	220kV, 120KN polymer insulator	no	3520.88	22.10.2019
86	220kV, 90KN silicon rubber housed composite polymer insulator (suspension type)	no.	3333.42	18.02.2021
87	220kV, 120KN tension composite polymer insulator		3529.97	18.02.2021
88	110kV, 90KN silicon rubber housed composite polymer insulator	no.	2677.42	15.1.2019
89	110kV, 90KN polymer insulator	no	1975.00	22.10.2019
90	110kV, 90KN tension composite polymer insulator	no.	1904	18.02.2021
91	110kV, 70kN composite polymer Disc Insulator(suspension type)	no	1904	18.02.2021

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Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
92	110kV, 70KN silicon rubber housed composite polymer insulator	no.	2339.00	21.5.2016
93	66kV Silicon rubber composite insulator (Polymer insulator)	no	1740.50	20.7.2018
94	66kV support insulator	no	77880.00	6.11.2017
	RELAYS			
95	Control Relay 10A (4 NO + ONC)	no	955.8	3.8.2018
96	Over current & high sensitive Earth fault Numerical Relay for feeder panel	no	22420.00	25.9.2019
97	Sensitive Earth fault relay(Numerical)	no	21830	27.6.2019
98	Panel mounting MICOM P442 Distance relay	no	162250.00	8.3.2018
99	Numerical distance relay	no	241900.00	08.07.2019
100	Buholz relay for 12.5MVA, 110/11kV Transformer	no	16000.00	28.3.2018
101	Transformer protection relay for 200MVA Transformer	no	177920.00	15.11.2017
102	Differential Relay	no	115200.00	20.10.2017
103	Numerical Transformer Differential Relay	no	248800.00	13.3.2018
104	Master trip Relay	no	3200.00	20.10.2017
105	REF Relay	no	5760.00	20.10.2017
106	Distance protection Relay	set	162250	24.6.2019
107	110kV capacitor bank control & protection relay		271400	28.3.2019
108	220kV/110kV, 160MVA transformer C&R panel with transfer bus facility	no.	10,14,506.00	5.11.2016
109	220/110kV,100MVA transformer control & relay panel (HV & LV side)	sets	840302.00	31.12.2018
110	11kV Busbar of 110/11kV, 20 MVA Transformer	sets	136252.00	23.05.2018
111	110/11kV transformer control & relay panel (primary side only)	nos.	489110.00	24.1.20
112	110/66kV transformer control and relay panel	sets	3,97,000.00	4.7.2011
113	110/33 kV,16MVA transformer control and relay panel (HV & LV side)	nos.	634674.80	24.01.2020
114	66/33kV,16MVA transformer control & relay panel	sets	5,92,736.00	22.1.2014
115	66kV/11kV transformer control & relay panel	nos.	469515.00	31.12.2018
116	33kV/11kV transformer control & relay panel	nos.	267478.86	24.1.2020
117	66kV/11kV transformer control & relay panel (primary side)	sets	469515.00	27.7.2018
118	33kV/11kV transformer control & relay panel (primary side)	sets	285135.00	27.7.2018
119	33kV IVCB 3 Panel set 2000A with spares	sets	3274196.00	9.01.2019
120	220/110kVTransformer control&relay panel	sets	794534.12	24.01.2020
121	220kV feeder control & relay panel	no.	631300.00	24.01.2020
122	220kV Bus coupler panel	no.	2,14,993.00	13.8.2008

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Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
123	110kV feeder control & relay panel	nos.	458723.82	24.01.2020
124	110kV cable feeder control & relay panel with current differential relay	set	1126900.00	9.5.2019
125	66kV feeder control & relay panel	sets	440140.00	27.7.2018
126	33kV feeder control & relay panel	nos.	240032.06	24.1.2020
127	33kV 3 panel set	sets	3162400.00	9.2.2018
128	33kV 4 panel set	sets	24,84,257.00	31.8.2013
129	LT Panel	no	160734	29.11.2018
130	LT Distribution panel	no	242176.00	13.10.2017
131	DC Distribution panel Board	set	178000.00	9.7.2018
132	11kV 10 panel set with spares suitable for transformer of capacity upto 16MVA(1250A)	sets	4139994.60	09.09.20
133	11kV 10 panel set with spares suitable for transformer of capacity for 16 MVA & 20MVA (2000A)	sets	4807886.40	09.09.20
134	11kV Indoor VCB 14 panel set with spares (1250A)	sets	6045987.24	22.11.2019
135	220kV bus bar protection panel for double bus with bus coupler and 8 bays	no.	2166480.00	16.11.2015
136	220kV bus bar protection panel for double bus with bus coupler and 6 bays	no.	19,68,122.00	16.11.2015
137	220kV bus bar protection panel for single bus with bus Isolator and 6 bays	no.	13,36,989.00	16.11.2015
138	11kV Incomer outdoor cubicle	no.	2,69,689.00	20.12.2010
139	11kV, 800 A AB switch	no.	23625.00	27.1.2016
140	11kV, 630 A AB switch	no.	16366.60	23.10.2017
141	11kV, 630 A Station class AB switch	no.	17570.20	01.01.2019
142	33kV Polymer type Pin with Insulator	no	444.00	20.12.2017
143	33kV Pin Insulator with pin	sets	814.20	16.11.2019
144	11kV Polymer pin Insulator with pin	no	179.36	7.9.2019
145	110V, 100 AH, VRLA battery	sets	130720.00	29.09.2020
146	2V, 100 AH, VRLA type CELL	no	3584.00	21.12.2017
147	110V, 200 AH, VRLA battery	sets	97768.00	5.2.2011
148	100 AH, tubular lead acid battery	sets	231680.00	6.9.2018
149	200 AH, tubular lead acid battery	sets	278784.00	12.2.2018
150	220V, 200AH Plante type station battery	no	1843380.00	3.9.2019
151	110V,100 AH plante type battery	sets	462336.00	20.09.2019
152	110V,200 AH plante type battery	sets	760320.00	28.09.2020

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153	110V,400 AH plante type battery	sets	1523200.00	28.09.2020
154	110V, 200AH Tubular battery	set	270420.48	23.10.2019
155	15A Battery charger	no.	89798.00	11.11.2019
156	30A Battery charger	no.	95698.00	11.11.2019
157	60A Battery charger	no.	142898.00	08.09.2020
158	ACSR Wolf	Km	103115.48	17.12.2020
159	ACSR Dog	km	70634.80	26.08.2020
160	ACSR Moose	Km	391900.77	26.08.2020
161	ACSR Kundah	Km	2,00,235.00	4.2.2017
162	ACSR Lynx	km	151040.00	16.1.2018
163	220kV rigid type spacers for ACSR triple Bersimis Conductor	nos	1104.48	8.5.2018
164	Die set for ACSR Kundah (Al + Steel)	no	15340.00	24.04.2018
165	G.I Earth strip 50 x 6mm	kg	71.00	15.5.2019
166	G.I Earth wire (7/3.15 mm dia)	km	35400.00	10.11.2020
167	G.I Earth wire (7/3.66 mm dia)	km	62537.64	27.05.2019
168	G.I. Earth Pipe 50mm dia, 3.48mm thick, 3m long	nos	918.75	20.03.2018
169	G.I. Earth Pipe 40mm dia, 2.5m long	nos	687.75	21.10.2017
170	G.I. Earth Pipe 60mm dia, 4mm thick, 3m long with C clamp	nos	4050.00	29.05.2018
171	G.I. Earth Pipe 30mm dia, 3m long	nos	3363.00	3.11.2018
172	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
173	Yard structure (Tubular type)	MT	71539.00	14.12.2016
174	Yard structure (Lattice type)	MT	66906.50	7.12.2017
175	Tower HTS (for both heavy and light angles)	MT	94990.00	26.10.2017
176	Tower MS (for both heavy and light angles)	MT	73321.66	25.02.2021
177	Tower HTS (for light angle only)	MT	69997.00	21.2.2016
178	Tower MS (for light angle only)	MT	65872.00	21.2.2016
179	Galvanised steel yard structure	MT	81007.71	16.10.2018
180	Transformer oil	kl	92807.00	22.5.2019
181	17.5kV, 630A, LV Bushing	no	18000.00	19.09.2018
182	72.5kV, 800A Bushing	no	275333	23.3.19
183	145kV, 800A bushing	no	480000.00	24.11.2017
184	145kV OIP Bushing 2000A, 900BCT	no	224200.00	21.6.2018
	Power transformer			
185	400kV/220kV/33kV 105 MVA	no.	3,75,61,726.00	2.4.2012
186	220kV/110kV, 66.67 MVA	no.	2,04,83,375.00	17.9.2016
187	220kV/110kV, 66.67 MVA single phase transformer	nos.	26609000.00	25.01.2019

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188	220kV/110kV, 200MVA	no.	64546000.00	19.9.2017
189	220/110kV, 200MVA 3 phase auto transformer	no.	68912000.00	20.1.2020
190	220kV/110kV, 160MVA	no.	5,21,42,500.00	30.6.2017
191	220kV/33kV, 100MVA	no.	47893613.00	16.11.2015
192	110kV/11kV, 12.5MVA	no.	12720400.00	21.05.2020
193	110kV/33kV, 16MVA 3 Phase transformer	nos.	13995991.00	17.02.2021
194	110kV/33kV, 25MVA	no.	2,35,64,541	12.02.2021
195	110kV/22kV, 25MVA	no.	1,52,03,589.00	3.12.2009
196	110kV/11kV, 20MVA	no	17580825.00	02.02.2021
197	66kV/33kV, 16MVA	no.	13366860.00	18.12.2007
198	66kV/11kV, 16MVA	no.	9278530.00	30.6.2017
199	66kV/11kV, 10MVA	no.	9451800.00	24.3.2018
200	33kV/11kV, 5MVA (outdoor)	no.	3589676.00	1.12.2015
201	33/11kV 5MVA 3 phase transformer (outdoor) with cable entry box	nos.	5082260.00	10.10.2018
202	33kV/11kV, 5MVA (indoor)	no.	4203387.00	24.1.2018
203	33kV/11kV, 8MVA outdoor transformer	no	6871628.52	20.09.2019
204	33kV/11kV, 5MVA outdoor transformer with cable entry box	no.	3863036.00	14.10.2016
205	33kV/11kV, 8MVA outdoor transformer with cable entry box	no.	52,40,760.00	19.12.2016
LINE ISOLATORS				
206	420kV, 2000A pantograph Isolator with earth switch	no.	2,18,362.00, structure- Rs 21566.14	18.8.2011
207	420kV, 2000A triple pole line Isolator with structure	no.	7,00,657.00	25.4.2012
208	420kV, 2000A single pole line Isolator with structure	no.	2,72,394.00	25.4.2012
209	220kV, 1250A triple pole single centre break gang operated Line Isolator with Structure (Motorised)	sets	444624.00	26.4.2018
210	220kV 2000A triple pole single centre break gang operated Line Isolator with Structure	sets	3,04,036.00	9.2.2010
211	220kV 1600A triple pole single centre break gang operated Line Isolator without Structure	sets	3,53,944	12.02.2016
212	220kV 1600A triple pole single centre break gang operated Line Isolator with Structure	sets	4,84,973.167	30.01.2021
213	110kV 800A triple pole double break gang operated Line Isolator with out Structure	sets	2,16,097.00	22.4.2015
214	110kV 800A triple pole double break gang operated Line Isolator with Structure	sets	232644.49	30.01.2021
215	66kV, 800A triple pole double break gang operated Line Isolator with Structure.	sets	1,11,591.00	29.6.2015
216	33kV, 800A triple pole Line Isolator with Structure	sets	76727.14	26.02.2021
217	33kV, 800A Line Isolator	sets	50047.00	18.4.2016
218	33kV Line Isolator without structure	sets	73042.00	28.6.2018
219	11kV, 800A Line Isolator with Structure	sets	38598.13	21.10.2020

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	BUS ISOLATORS			
220	220kV,2500A triple pole single centre break gang operated Bus Isolator with Structure(Motorised)	sets	5,16,490.00	12.2.2016
221	220kV,1250A triple pole single centre break gang operated Bus Isolator with Structure(Motorised)	sets	2,53,091.00	25.7.2015
222	220kV, 2000A triple pole single centre break gang operated Bus isolator	sets	2,99,212.00	12.2.2016
223	220kV, 1600A triple pole single centre break gang operated Bus Isolator without Structure	sets	2,88,265.00	12.2.2016
224	220kV, 1600A triple pole single centre break gang operated Bus Isolator with Structure	sets	397266.14	30.01.2021
225	110kV, 1600A triple pole double break gang operated Bus Isolator	sets	1,86,680.00	12.2.2016
226	110kV, 1250A triple pole double break Bus Isolator	sets	1,69,227.00	12.2.2016
227	110kV, 1200A triple pole double break Bus Isolator with Structure	set	223141.54	19.09.2019
228	110kV, 1200A single pole double break Bus Isolator with Structure	set	211507.99	30.01.2021
229	110kV, 800A triple pole double break gang operated Bus Isolator	set	212647.8	6.10.2018
230	110kV, 800A triple pole double break gang operated Bus Isolator with Structure	set	195930.33	30.01.2021
231	66kV, 800A triple pole Bus Isolator with Structure	sets	1,28,652.00	29.11.2016
232	33kV, 800A triple pole Bus Isolator with Structure	set	71019.48	26.02.2021
233	33kV, 800A triple pole Line Isolator with Structure	set	76,727.14	26.02.2021 ← some as in Slava 216
234	33kV, 800A Bus Isolator	sets	55610.00	18.4.2016
235	11kV, 800A Bus Isolator	sets	51297.00	25.7.2014
236	11kV, 800A Bus Isolator with structure	sets	31981.30	21.10.2020
	CURRENT TRANSFORMERS			
237	400kV Current transformer 2000/1000/500/1A(5C)	no.	6,44,818.00	22.12.2015
238	220kV current transformer 2000-1000-500/1-1-1-1A	no	244214.00	28.4.2012

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Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
239	Supporting structure of 220kV current transformer 2000-1000-500/1-1-1-1A	no.	23600.00	21.7.2018
240	220kV Current transformer 1600/800/1-1-1-1A	no.	293820.00	20.02.2020
241	220kV Current transformer 1200/600/1-1-1-1A with Structure	no.	2,80,038.00	7.12.2012
242	220kV Current transformer 1200/800/1-1-1-1A	no.	307884.00	01.02.2021
243	220kV Current Transformer 800/400/1-1-1-1A	no.	3,29,282.00	1.8.2014
244	220kV Current Transformer 600/300/1-1-1-1A	no.	311977.25	01.02.2021
245	220kV Current Transformer 200/1-1-1-1A	no.	261960.00	20.02.2020
246	220kV Current Transformer(Live Tank)800/1A 5C	no	279660.00	20.02.2020
247	220kV Current Transformer 150-100-50/1A, 0.25 class		902700.00	26.10.2017
248	110kV Current transformer 1600/800/1-1-1-1A with Structure	no.	2,03,686.00	1.8.2014
249	110kV current transformer 1000/500/1-1-1-1A	no.	2,21,468.00	27.10.2015
250	110kV current transformer 1200/600/1-1-1-1A	no	187335.00	01.02.2021
251	110kV Current transformer 800/400/1-1-1-1A with Structure	no.	1,63,071.00	1.8.2014
252	110kV Current transformer 800/400/1-1-1-1A	no.	173644.00	01.02.2021
253	110kV Current transformer 400/200/100/1-1-1-1A	no.	160696.00	01.02.2021
254	110kV Current transformer 400/200/100/1-1-1-1A Live Tank	no	146320.00	1.03.2019
255	Supporting structure for 110kV current transformer	no.	22420.00	01.02.2021
256	110kV Current transformer 300/150/75/1-1-1-1A with Structure	no.	1,75,897.00	1.8.2014
257	110kV Current transformer 600/300/150/1-1-1-1A with Structure	no.	138060.00	1.03.2019
258	110kV current transformer, 100-50/1A	no.	1,09,054.00	24.1.2015
259	110kV Current Transformer with rain guard (700 x 850 x300)	no	24190.00	28.06.2018
260	66 kV 400 A Current Transformer	no.	80828.82	21.12.2020
261	66 kV 600A Current Transformer	no.	81890.82	21.12.2020
262	66kV Current transformer 600/300/150/75/1-1-1-1A	no.	80828.82	24.02.2020
263	66kV CT live tank 600/300/150/1A	no	76687.02	24.02.2020
264	66kV Current transformer 400/200/100/50/1-1-1-1A	no.	87307.02	24.02.2020
265	66kV Current transformer live tank 400/200/100/-1A	no	80191.62	24.02.2020
266	66kV Current transformer -outdoor (oil filled)	no	135700.00	7.2.2018

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Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
267	33kV Current transformer 400/200/100/1-1-1A outdoor	no.	30326.00	21.4.2018
268	Supporting structure of 33kV Current transformer 400/200/100/1-1-1A Outdoor	no.	18113.00	21.12.2020
269	33kV Current transformer 400/200/100/1-1-1-1A outdoor	no	43188.00	24.06.2019
270	33kV Current Transformer 600/300/150/1-1-1-1A	no	46728.00	12.10.2017
271	33kV CT 2000/1-1-1-1A	no.	76808.00	4.2.2017
272	33kV Outdoor CT 400-200-100/1-1-1A with structure	no	60534.00	16.1.2019
273	33kV Current transformer 300/150/1-1-1-1A	no.	44093.00	18.7.2016
274	33kV Current transformer 300/150/1-1-1A	no.	46179.00	26.11.2016
275	33kV outdoor CT 1600/1	no.	40243.00	18.2.2012
276	33kV outdoor CT 200/1	no.	25585.00	9.2.2015
277	33kV CT 100/1A	no.	16695.00	30.1.2016
278	33kV CT	no.	45666.00	21.12.2020
279	11kV outdoor CT 400/200/5-5A	no	21701.21	08.1.2019
280	11kV Current Transformer with structure	no	30090.00	6.12.2017
281	11kV resin cast type Current Transformer - Indoor 400/200/5A	no.	59826.00	30.5.2019
282	11kV resin cast Current Transformer - 200/1A	no	29441.00	30.5.2019
283	11kV Current Transformer - 400/200/1-1-1A	no	25724.00	24.4.2019
NEUTRAL CURRENT TRANSFORMERS				
284	110kV neutral current transformer 400/200/100/1A	no.	23116.00	29.8.2013
285	110kV neutral current transformer 300/150/75/1A	no.	23116.00	29.8.2013
286	66kV neutral current transformer 200/100/1A	no	28202.00	08.5.2019
287	66kV neutral current transformer 150/75/1A	no.	21769.00	26.4.2017
288	33kV neutral current transformer 400/200/100/1A	no.	27678.00	26.4.2017
289	33kV neutral current transformer 100/1A	no.	92372.00	28.4.2016
290	11kV NCT 400/1A	no.	33751.00	28.4.2016
291	11kV Resin cast NCT (400-200/5A)	no	59826.00	30.5.2019
292	11kV NCT 400/1A with structure (outdoor)	no	26545.00	10.1.2018
293	11kV outdoor Oil immersed NCT		31279	12.12.18
OTHER MATERIALS				
294	220kV Transmission Line arrester	no	79827.00	9.3.2018
295	110kV Transmission Line arrester	no	72924.00	3.5.2018
296	Fault Passage Indicator	no	17385.00	13.3.2018
297	11kV CCC type Ring Main unit	no	303850.00	10.6.2018

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Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
298	EHT Metering KIOSK (1200 x 1000 x 550)	no	43070.00	28.6.2018
299	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
300	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
301	Marshalling Box made of 2.5mm mild steel. Height 120cm X width 80cm X depth 50mm with shutter	No.	32000.00	25.2.19
302	Cork Gasket sheet (915 x 915 x 6 mm)	sheet	1227.20	10.4.2018
303	Cork Gasket sheet (915 x 915 x 10 mm)	sheet	1534.00	10.4.2018
304	Gasket sheet (900x900x9.6mm)	sheet	4879.00	5.3.2019
305	HT Discharge rod	no	2714.00	3.7.2018
306	Earth Discharge Rod	no	6990.00	5.8.2019
307	Earth rod with clamping head, 3m long with 15m long wire	no	4696.00	28.6.2018
308	Earth rod with clamping head, 2.5m long with 15m long wire	no	5310.00	28.6.2018
309	Insulated Rubber Mat - 11kV grade (2m x 1m x 2mm)	no	3510.53	13.6.2018
310	11kV Switch gear panel with spares	set	1121229.00	27.02.2018
311	Come along clamp	no	112690.00	17.4.2018
312	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
313	5kV Megger with accessories	no	430700	26.02.2018
314	Capacitor units - 595.23kVAR, 110kV	no	67000.00	2.06.2018
315	32 mm MS Rod	MT	62894.00	12.11.18
316	25mm MS Rod	MT	50768.00	20.2.2015
317	11kV, Vacuum Circuit breaker with supporting structure	no.	371392.02	3.1.2018
318	11kV, Vacuum circuit breaker, 630A, 26.3KA	no.	4,62,550	14.3.2017
319	11kV, Vacuum circuit breaker, 400A, 25KA	no.	1,53,458.00	7.3.2017
320	11kV VCB panel	set	652806.00	12.06.2017
321	11kV Panel with Vacuum circuit breaker	no.	496401.00	14.3.2017
322	11kV Floor mounting C& R panel (I/D)	no.	112041.00	03.1.2018
323	11kV Vacuum Circuit Breaker 1250A Vacuum Interruption 'Type VG2'	no.	3,77,400.00	9.9.2016
324	11kV CT Outdoor type 400-200-100/5-5-1A	no.	42962.00	28.9.2017

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Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
325	11kV XLPE 1x300mm ² heat shrinkable outdoor cable end kit		2950.00	29.11.18
326	11kV XLPE 1x300mm ² heat shrinkable straight joint kit		7080.00	19.12.18
327	11kV XLPE 3x300mm ² heat shrinkable outdoor end joint kit	No	2950.00	16.9.2017
328	11kV XLPE 3x300mm ² heat shrinkable Indoor end joint kit	no.	3304	31.8.2018
329	11kV XLPE 3x300mm ² heat shrinkable Indoor straight joint kit	no.	6412.00	28.6.2017
330	11kV XLPE 3x300mm ² heat shrinkable straight joint kit	no.	13983.00	23.9.2017
331	11kV XLPE 3x300mm ² heat shrinkable outdoor straight joint kit	no.	7710.00	10.3.2017
332	11kV XLPE 3x300mm ² heat shrinkable Indoor end termination kit	no.	2950	11.10.2017
333	11kV XLPE 3 x 500sqmm heat shrinkable outdoor end termination kit	no	1770.00	22.3.2018
334	11kV XLPE 3 x 500sqmm heat shrinkable Indoor end termination kit	no	1524.00	22.3.2018
335	11kV XLPE 1x500mm ² heat shrinkable indoor straight joint kit	no.	9496.00	25.11.2016
336	11kV XLPE 1x500mm ² heat shrinkable indoor end joint kit	no.	2509.84	23.9.2017
337	11kV XLPE 1x500mm ² heat shrinkable outdoor end joint kit	no.	2599.00	23.9.2017
338	11kV XLPE 1x500mm ² heat shrinkable outdoor straight joint kit	no.	1718.00	14.4.2017
339	11kV XLPE 1x500mm ² heat shrinkable indoor end Termination kit	no.	1593.00	24.01.19
340	11kV XLPE 1x500mm ² heat shrinkable outdoor end Termination kit	no.	1770.00	24.01.19
341	22kV, 3 x 300sqmm XLPE heat shrinkable type cable termination kit	no	8614.00	7.12.2017
342	22kV, 3 x 500sqmm XLPE heat shrinkable type cable termination kit	no	6254.00	15.3.2018
343	33kV XLPE 3x300mm ² heat shrinkable outdoor straight joint kit	no.	23600.00	12.2.19
344	33kV XLPE 3x300mm ² heat shrinkable outdoor cable end termination kit	no.	10030.00	18.5.2019
345	33kV XLPE 3x300mm ² heat shrinkable indoor cable end joint kit	no.	6298.00	7.5.2016
346	33kV XLPE 3x300mm ² heat shrinkable indoor cable end termination kit	no.	13969.00	9.6.2017
347	33kV XLPE 3x300mm ² heat shrinkable straight joint kit	no	26904.00	18.05.2019
348	33kV XLPE 3x300mm ² cold shrinkable outdoor cable end joint kit	no.	22900.00	7.5.2014
349	33kV XLPE 3x300mm ² outdoor end termination kit	no	17110.00	29.8.2018

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Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
350	33kV XLPE 3x300mm ² cold shrinkable straight joint kit	no.	50380.00	7.5.2014
351	End Termination kit for 66kV, 240sqmm Copper cable	no	128620.00	13.08.2018
352	Shield break straight joint suitable for 630sqmm, 110kV XLPE cable	no	259600.00	10.4.2018
353	1x240sqmm Copper cable outdoor termination kit	no	76000.00	03.06.20219
354	22kV outdoor CT 400-200-100/5-5-1-1	no.	34125.00	23.5.2014
355	22kV outdoor CT 200-100/5-5	no.	30975.00	23.5.2014
356	11kV CT 1000-500/5-5A	no.	11750.00	13.10.2015
357	11kV CT type 1000-500/1A	no.	12626.00	25.9.2017
358	11kV CT - outdoor type 800-400/1-1A	no.	26900.00	13.2.2015
359	11kV single phase CT - outdoor type 800-400/5-5-1A	no.	152043.00	29.02.2020
360	11kV CT 800/400/1A	no.	40502.00	9.11.2015
361	11kV CT 800/5A	no.	29925.00	31.10.2015
362	11kV CT 400/1A	no.	13230.00	30.1.2016
363	11kV CT 400-200/1-1A	no.	19530.00	9.12.2016
364	11kV CT 400-200/1-1-1-1A	no.	34728.00	22.2.2016
365	11kV CT 400-200/5-5-1A	no.	31541.00	11.7.2016
366	11kV CT 400-200/5-5A (outdoor oil cooled)	no.	27043	4.11.2017
367	11kV CT - outdoor type 400-200/5-1A with structure	no.	30525	10.1.2018
368	11kV CT 400-200-100/5-5-1A	no.	40857.00	17.1.2017
369	11kV CT 400-300/1-1-1A	no.	28900.00	22.4.2016
370	11kV CT 800-400/5-5-1A	no.	42365.00	26.10.2015
371	11kV CT 800-400/5-5-1A with structure	no.	160818.66	18.02.2021
372	11kV CT 800-400-200/5-5-1A	no.	28674.00	11.7.2017
373	11kV CT - outdoor type 400-200-100/5-5-1-1A	no.	30975.00	23.5.2014
374	11kV CT - outdoor type 400-200/5-5-1A	no.	31541.00	11.7.2016
375	11kV CT - outdoor type 400-200/5-5A	no.	14535.00	30.1.2017
376	11kV CT - outdoor type 200-100/5-5-1A	no.	28875.00	23.5.2014
377	11kV CT - outdoor type 200-100-50/5-5A	no.	34500.00	16.1.2017
378	11kV CT - outdoor type 200/5-5A	no.	29887.00	4.11.2014
379	11kV CT - outdoor type 200/5-5-1A	no.	29295.00	1.8.2016
380	11kV CT 1000-500/5-5-1A	no.	22160.00	18.10.2016
381	11kV CT 1000/1A	no.	12817.00	8.1.2016
382	11kV CT 1000-500/5 A	no.	14917.00	8.1.2016
383	11kV CT -1000/500/1/1A (oil immersed)	no.	54390.00	5.1.2012
384	11kV CT 400/200/5-5	no.	14535.00	30.1.2017
385	11kV CT 1200/5A	no.	13020.00	3.6.2014

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Sl.No	Name of material	Unit	All Inclusive unit Rate (Rs.)	Remarks (purchase order date)
386	11kV CT 1200/1A	no.	16275.00	3.6.2014
387	11kV CT 200/5A (outdoor)	no.	33512	12.3.2018
388	11kV CT 200/1A (Outdoor)	no.	29441	14.6.2018
389	22kV Oil cooled Outdoor CT -200/1A, class PS, KVP 300V Lex 40mA	no	42480.00	11.10.2018
390	11kV Current Transformer - Outdoor resin cast type 400-200/5-5-1A	no.	39760.00	18.8.2017
391	11kV CT 400/200/100/5-5A	no.	3540.00	25.9.2017
392	11kV CT 400/200/100/5-5A (metering class)	no.	2832.00	25.9.2017
393	11kV, CT OD/OIL type	no	33335.00	12.9.2018
394	11kV outdoor Oil immersed Current Transformer 400-300/1-1-1A	no.	24500.00	7.8.2017
395	B 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
396	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
397	Outdoor, cycloaliphatic 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
398	11kV Resin cast Ring type feeder CT	no	17882.00	1.11.2017
399	11kV Resin cast Ring type Incomer CT	no	238602.00	1.11.2017
400	125kVA DG set	no.	917055.92	14.6.2017
401	Aluminium tubular conductor 4" and 3"	MT	317058.92	25.9.2017
402	S type narrow based tower	set	830307.59	30.07.19
403	R' Type Tower	no.	78529.00	24.12.2020
404	+ 18 - base Extension for 'S' tower	no	954242.99	30.07.19
405	11 kV CT 600/300/1-1A	1 no.	30562.00	08.05.2019
406	RR Type RMU, 11 kV 630A, out door	1no.	293820	05.07.2019
407	400 kV/220kV/66kV Post Insulator	1 no.	483741	30.07.2019
408	11kV XLPE 1x500 mm2 out door "Gee Seal" H.S components and Accessories	Set	24780	02.05.2019
409	11kV XLPE 1x500 mm2 Indoor "Gee Seal" H.S components and Accessories	Set	21476	02.05.2019
410	11 kV Resin cast CT 200/1A	Nos.	29441	30.05.2019
411	11kV 3 pole Outdoor PC VCB with PT and C&R panel	set	403485.66	18.02.2021

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