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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

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No. CEE/T&P/SEE(T&P)/EE(P)/AEEP2/2021-22/ 13241

Date:

05 JAN 2022

CIRCULAR

Sub: Updating of S.R. of Major Works for the Month of **December-2021**.

Ref: 1. Corporate order No. B-35/2901/2002-03, dated 22.10.2003.

2. Corporate order No:KPTCL /B37 /6426 /2005-06 dated 05-10-2005.

In accordance with the Corporate orders under reference the updated rates(**Excluding GST and F&I**) of following materials for the Month of **December-2021(considering IEEMA circulars of November -2021 price indices except conductor for which CACMAI indices of December-2021 is considered)** are indicated in the enclosed Annexure. Except Lightning Arrestor for which the IEEMA circular is awaited.

1. Power Transformers
2. Transmission line accessories.
3. Transmission line Towers.
4. ACSR Conductors.
5. Ground wire.
6. Battery Sets
7. Battery Chargers
8. Lightning Arrestor
9. Current Transformers
10. Capacitive Voltage Transformer
11. Voltage Transformers
12. EHV Cables, 11KV UG Cables & Control Cables
13. Insulators
14. 11KV Switch Gears
15. Circuit Breakers
16. Transformer oil


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Copy to:


1. The Superintending Engineer, (IT),KPTCL, Bangalore with a request to arrange to upload in the KPTCL website .
2. AEE-P2
3. MF/OC.

EE(IT-1)
B.S. 46
07/10/22

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

ANNEXURE

Sl. No.	Description	Unit	Base Price as per MWSR dated 28-05-2019 in Lakhs (without GST & F&I)	Updated prices (without GST & F&I) in Lakhs
I	Power Transformers			Dec-21
1	500 MVA, 400/220/33kV three phase inter-connecting Transformer	No	1262.51	1835.18
2	315 MVA, 400/220/33KV three phase Inter-connecting Transformer	No	1180.09	1715.38
3	167 MVA,400/220/33 kV single phase interconnecting transformer	No.	427.85	621.92
4	150 MVA, 3 Ph 220/66/11 KV oil forced cooling complete with all fittings and accessories. OLTC, RTCC,FCC, first filling of oil and 10% spare oil in non- returnable drums	No	645.73	938.63
5	100 MVA, 220/66/11 KV Transformer complete with all accessories as in item No 4. Above	No	395.35	574.68
6	100 MVA, 220/110/11 KV Auto Transformer complete with all accessories as in item No 4. Above	No	368.3	535.36
7	31.5 MVA, 66/11 KV Transformer complete with all accessories as in item No 4. Above	No	176.41	256.43
8	16/20 MVA, 66/11 KV Transformer complete with all fittings and accessories , OLTC, RTCC first filling in oil and 10% spare oil	No	136.05	197.76
9	20 MVA, 110/33/11 KV Transformer complete with all accessories as in item No 8. Above	No	146.44	212.87
10	12.5 MVA, 66/11 KV Transformer complete with all accessories as in item No 8. Above	No	91.85	133.51
11	10 MVA, 110/33/11 KV Transformer complete with all accessories as in item No 8. Above	No	89.5	130.10
12	8 MVA, 66/11 KV Transformer complete with all accessories as in item No 8. Above	No	95.71	139.12
13	3ph, 50Hz, Core type, 2 winding Delta/Star, Vector Group: Dyn11, OLTC, RTCC panel, oil suitable terminal connectors for 63mm Aluminium tube etc 1MVA, 33/0.433 kV.	No	18.46	26.83


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Sl No.	Description of Materials	Unit	Base Price as per MWSR dated 28-05-2019 in Lakhs (without GST & F&I)	Updated rate (without GST and F&I) in Lakhs As on
				Dec-21
II. Transmission line Towers				
1	Fabrication, galvanising and supply of high tensile steel tower materials	M.T	0.91	1.17
2	Fabrication, galvanising and supply of mild steel tower materials	M.T	0.82	1.02
III ACSR Conductors				
1	Coyote ACSR	Kms.	0.770	1.142
2	Lynx ACSR	Kms.	1.020	1.568
3	Drake ACSR	Kms.	2.050	3.191
4	Moose ACSR	Kms.	3.560	5.027
5	AAAC MOOSE	Kms.	2.610	4.133
6	7/3.15 mm G.I. Wire for ground	Kms.	0.580	0.685

IV Hardware accessories for Conductor/ Groud wire

Sl. No.	Description	Unit	Updated rate (without GST and F&I) in Rs. as on								Dec-21	
			Drake ACSR Base Price as in MWSR dated 28-05-2019 in Lakhs	Drake ACSR Updated rate (without GST and F&I) in Lakhs	Lynx ACSR Base Price as in MWSR dated 28-05-2019 in Lakhs	Lynx ACSR Updated rate (without GST and F&I) in Lakhs	Coyote ACSR Base Price as in MWSR dated 28-05-2019 in Lakhs	Coyote ACSR Updated rate (without GST and F&I) in Lakhs	Rabbit ACSR Base Price as in MWSR dated 28-05-2019 in Lakhs	Rabbit ACSR Updated rate (without GST and F&I) in Lakhs	Ground conductor Base Price as in MWSR dated 28-05-2019 in Lakhs	Ground conductor Updated rate (without GST and F&I) in Lakhs
A	HARDWARE			Dec-21		Dec-21		Dec-21		Dec-21		Dec-21
1	Single Tension Clamps with arching horns	Nos.	2487.00	3359.84	1085.00	1465.79	993.00	1341.50	780.00	1053.75	816.00	1008.85
2	Double Tension Clamps with arching horns	Nos.	4429.00	5983.40	3090.00	4174.46	2870.00	3877.25	2554.00	3450.35	-	-
3	Single Suspension Clamps with arching horns	Nos.	1553.00	2098.04	1318.00	1780.56	1219.00	1646.82	812.00	1096.98	861.00	1064.49
4	Double Suspension Clamps with arching horns	Nos.	2948.00	3982.63	2515.00	3397.66	2487.00	3359.84	2231.00	3013.99	-	-
5	P.G. Clamps	Nos.	535.00	722.76	513.00	693.04	210.00	283.70	91.00	122.94	266.00	328.87
6	M.S.C Joints	Nos.	760.00	1026.73	442.00	597.12	411.00	555.24	273.00	368.81	303.00	374.61
7	Pre-formed Armour R	Nos.	2212.00	2988.32	836.00	1129.40	716.00	967.29	578.00	780.85	-	-
8	Repair Sleeves	Nos.	585.00	790.31	391.00	528.22	199.00	268.84	146.00	197.24	204.00	252.21
9	Vibration Damper	Nos.	1020.00	1377.98	671.00	906.49	564.00	761.94	606.00	818.68	-	-
10	Automatic Comealong clamp	Nos.	5236.00	7073.62	5031.00	6796.67	5031.00	6796.67	5031.00	6796.67	2757.00	3408.59
11	Pad Clamps	Nos.	535.00	722.76	738.00	997.01	210.00	283.70	534.00	721.41	-	-

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Sl No.	Description of Materials	Unit	Base Price as per MWSR dated 28-05-2019 in Rs. (without GST & F&I)	Updated rate in Rs. (without GST and F&I) as on
			Dec-21	
B	Hardware Clamps for station materials Bolted Type tension Clamp			
1	Twin Falcon ACSR conductor 120KN 20 mm	Nos.	3371.00	4554.08
2	Twin Drake ACSR conductor 120KN 20 mm	Nos.	2900.00	3917.78
3	Twin Moose ACSR conductor 120KN 20 mm	Nos.	3020.00	4079.90
4	Twin Falcon ACSR conductor 90KN 16 mm	Nos.	2732.00	3690.82
5	Single Falcon ACSR conductor 120KN 20 mm	Nos.	1776.00	2399.30
6	Twin Drake ACSR conductor 90KN 16 mm	Nos.	2635.00	3559.78
7	Single Falcon ACSR conductor 90KN 16mm	Nos.	1721.00	2325.00
8	Single Drake ACSR Conductor 120KN 20 mm	Nos.	1664.00	2248.00
9	Single Drake ACSR Conductor 70/90KN 16 mm	Nos.	1605.00	2168.29
10	Single LYNX ACSR conductor 70/90KN 16mm	Nos.	935.00	1263.15
11	Single Coyote ACSR conductor 70/90KN 16 mm	Nos.	877.00	1184.79
12	Single Rabbit ACSR conductor 70/90KN 16 mm	Nos.	660.00	891.63
C	Wedged Clamps			
1	Single Tension clamp compression type Drake ACSR	Nos.	2527.00	3413.87
2	Single Tension clamp compression type Moose ACSR	Nos.	2527.00	3413.87
D	Bolted Type suspension clamp			
1	Twin Falcon ACSR conductor 90KN 16 mm	Nos.	3113.00	4205.54
2	Twin Moose ACSR conductor 90KN 16 mm	Nos.	2879.00	3889.41
3	Twin Drake ACSR conductor 90KN 16 mm	Nos.	2108.00	2847.82
4	Single Falcon ACSR conductor 90KN 16 mm	Nos.	1271.00	1717.07
5	Single Drake ACSR conductor 70/90KN 16 mm	Nos.	1114.00	1504.97
6	Single LYNX ACSR conductor 70/90KN 16 mm	Nos.	835.00	1128.05
7	Single coyote ACSR conductor 70/90KN 16 mm	Nos.	757.00	1022.68
8	Single Rabbit ACSR Conductor 70/90KN 16 mm	Nos.	606.00	818.68
E	Hardware Clamps for station materials			
1	Ground wire clamp 7/3.15mm 2 bolt	Nos.	855.00	1057.07


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SI No.	Description of Materials	Unit	Base Price as per MWSR dated 28-05-2019 in Rs. (without GST & F&I)	Updated rate in Rs.(without GST and F&I) as on Dec-21
F	Post Insulator clamps			
1	Twin Falcon ACSR Conductor 127 mm 220kV	Nos.	1263.00	1706.26
2	Twin Moose ACSR Conductor 127 mm 220KV	Nos.	1080.00	1459.04
3	Twin Drake ACSR Conductor 127 mm, 220/110/66kV	Nos.	1013.00	1368.52
4	Single Falcon ACSR Conductor 127/76 mm, 220/110/66kV	Nos.	729.00	984.85
5	Single Drake ACSR Conductor 127/76mm, 220/110/66/33kV	Nos.	668.00	902.44
6	Single Lynx ACSR Conductor 127/76mm, 110/66/33KV	Nos.	624.00	843.00
7	Single Coyote ACSR Conductor 127/76mm 66/33KV	Nos.	577.00	779.50
8	Single Rabbit ACSR Conductor 76mm, 33KV	Nos.	529.00	714.66
G	Spacer Clamp for ACSR Conductors			
1	Twin Falcon 220KV	Nos.	467.00	630.90
2	Twin Moose 220KV	Nos.	439.00	593.07
3	Twin Drake 220/110/66KV	Nos.	419.00	566.05
H	Power Connectors 'T' Clamps for ACSR Conductors			
1	Twin Falcon to Single Drake	Nos.	1348.00	1922.85
2	Twin Moose to Single Drake	Nos.	1015.00	1447.84
3	Twin Drake to Single Drake	Nos.	870.00	1241.01
4	Single Falcon to Single Drake	Nos.	547.00	780.27
5	Single Drake to Single Drake	Nos.	481.00	686.12
6	Single Drake to Single Lynx	Nos.	450.00	641.90
7	Single Drake to Single Coyote	Nos.	422.00	601.96
8	Single Lynx to Single Lynx	Nos.	355.00	506.39
9	Single Coyote to Single Drake	Nos.	422.00	601.96
10	Single Lynx to Single Drake	Nos.	450.00	641.90
11	Single Coyote to Single Drake	Nos.	337.00	480.71


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Sl. No.	Description	Unit	Base Price as per MWSR dated 28-05-2019 in Rs. (without GST & F&I)	Updated rate in Rs(without GST and F&I) as on Dec-21
C-type Wedge Connectors				
1	Rabbit to coyote ACSR conductor	Nos.	531.00	757.44
2	Rabbit to Lynx ACSR conductor	Nos.	1491.00	2126.83
3	Rabbit to Drake ACSR conductor	Nos.	2561.00	3653.13
4	Coyote to coyote ACSR conductor	Nos.	531.00	757.44
5	Coyote to Lynx ACSR conductor	Nos.	1639.00	2337.95
6	Coyote to Drake ACSR conductor	Nos.	1771.00	2526.24
7	Lynx to Lynx ACSR conductor	Nos.	1111.00	1584.78
8	Lynx to Drake ACSR conductor	Nos.	1556.00	2219.55
9	Drake to Drake ACSR conductor	Nos.	1868.00	2664.60
10	Double Drake to Single Drake	Nos.	4998.00	7129.38
11	Rabbit to 2 hole paddle ACSR conductor - 610A	Nos.	1546.00	2205.29
12	Rabbit to 2 hole paddle ACSR conductor - 895A	Nos.	1694.00	2416.40
13	Coyote 2 hole paddle ACSR conductor - 610A	Nos.	1546.00	2205.29
14	Coyote 2 hole paddle ACSR conductor - 895A	Nos.	1932.00	2755.90
15	Coyote 2 hole paddle ACSR conductor - 1400A	Nos.	4959.00	7073.75
16	Coyote 4 hole paddle ACSR conductor - 610A	Nos.	1642.00	2342.23
17	Coyote 4 hole paddle ACSR conductor - 895A	Nos.	2250.00	3209.51
18	Coyote 4 hole paddle ACSR conductor - 1400A	Nos.	4811.00	6862.64
19	Lynx 2 hole paddle ACSR conductor - 610A	Nos.	2683.00	3827.16
20	Lynx 2 hole paddle ACSR conductor - 895A	Nos.	1868.00	2664.60
21	Lynx 2 hole paddle ACSR conductor - 1400A	Nos.	5081.00	7247.78


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Sl. No.	Description	Unit	Base Price as per MWSR dated 28-05-2019 in Rs. (without GST & F&I)	Updated rate in Rs.(without GST and F&I) as on Dec-21
22	Lynx 4 hole paddle ACSR conductor - 610A	Nos.	3050.00	4350.66
23	Lynx 4 hole paddle ACSR conductor - 895A	Nos.	1932.00	2755.90
24	Lynx 4 hole paddle ACSR conductor - 1400A	Nos.	3381.00	4822.82
25	Drake 2 hole paddle ACSR conductor - 610A	Nos.	4879.00	6959.63
26	Drake 2 hole paddle ACSR conductor - 895A	Nos.	2483.00	3541.87
27	Drake 2 hole paddle ACSR conductor - 1400A	Nos.	2585.00	3687.36
28	Drake 4 hole paddle ACSR conductor - 610A	Nos.	3388.00	4832.80
29	Drake 4 hole paddle ACSR conductor - 895A	Nos.	2585.00	3687.36
30	Drake 4 hole paddle ACSR conductor - 1400A	Nos.	5406.00	7711.37
31	Rabbit to Rabbit ACSR conductor	Nos.	542.00	773.13
32	Drake to Moose ACSR conductor	Nos.	2737.00	3904.18
33	Drake to Falcon ACSR conductor	Nos.	7777.00	11093.48
34	Moose to Moose ACSR conductor	Nos.	2737.00	3904.18
35	Moose to Falcon ACSR conductor	Nos.	7777.00	11093.48
36	Falcon to Falcon ACSR conductor	Nos.	7728.00	11023.58
37	Moose 2 hole paddle ACSR conductor & 2 hole paddle - 895A	Nos.	7114.00	10147.74
38	Moose 2 hole paddle ACSR conductor & 2 hole paddle - 1400A	Nos.	7114.00	10147.74
39	Moose 4 hole paddle ACSR conductor & 4 hole paddle - 895A	Nos.	7114.00	10147.74
40	Moose 4 hole paddle ACSR conductor & 4 hole paddle - 1400A	Nos.	7114.00	10147.74
41	Falcon 2 hole paddle ACSR conductor & 2 hole paddle - 1400A	Nos.	18430.00	26289.41
42	Falcon 4 hole paddle ACSR conductor & 4 hole paddle - 1400A	Nos.	18430.00	26289.41
43	CT clamps for single drake	Nos.	850.00	1212.48
44	PG clamps for coyote to Rabbit	Nos.	210.00	299.55
45	NCT Pad Clamp	Nos.	700.00	998.51


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Sl No.	Description of Materials	Unit	Base Price as per MWSR dated 28-05-2019 in Rs. (without GST & F&I)	Updated rate in Rs.(without GST and F&I) as on
				Dec-21
I	Power Connectors, Terminal connector clamps for ACSR Conductor			
1	Twin Drake	Nos.	1222.00	1743.12
2	Single Drake	Nos.	737.00	1051.29
3	Single Lynx	Nos.	564.00	804.52
4	Single Coyote	Nos.	489.00	697.53
J	Power connectors expansion type terminal connectors suitable for aluminium pipes			
1	63 mm nominal diameter x 73.03 mm	Nos.	1312.00	1871.50
2	50 mm nominal diameter x 60.03 mm	Nos.	1118.00	1594.77
V	Battery sets & Battery Charger			
A	PLANTE TYPE	Unit	Base Price as per MWSR dated 28-05-2019 in Lakhs. (without GST & F&I)	Updated rate in Lakhs.(without GST and F&I) as on
				Dec-21
1	48V, 100AH	Set	1.25	1.43
2	48V , 200 AH	Set	2.35	2.69
3	48V , 300 AH	Set	3.39	3.88
4	48V , 400 AH	Set	5.74	6.57
5	110V, 100AH	Set	3.26	3.73
6	220V, 300AH	Set	15.78	18.06
7	220V, 645 AH for GIS	Set	45.65	52.24
B	Battery Sets (Tubular)			
1	110V, 100AH	Set	2.8	3.204
2	220V. 300AH	Set	14.54	16.638
C	Battery Charger			
1	48 V, 200 AH	Set	2.25	3.048
2	Suitable for 200AH (75A)	No.	4.37	5.919
3	Suitable for 400AH (100A)	No.	5.82	7.883
4	110V, 100Ah(with float cum boost battery charger working on 230V, 1 Ph AC supply as per specification)	Set	0.96	1.300
D	Station Battery & Battery Charger:			
1	2 X 220V, 300Ah (with 2nos. Of float and 2nos. Of boost battery charger including control panels, change over arrangement etc, complete along with 2 separate DC Distribution Panel(Indoor) I I/C+20 O/G SFU 60A+20 O/G SFU 30A)	Set	5.49	7.436
2	2X220V, 645 AH (with 2nos. Of float and 2nos. Of float cum boost including control panel, change over arrangements etc. Complete along with separate DC distribution panel (indoor).	Set	10.35	14.019


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				Dec-21
VI	Lightning Arrestors			
1	198 kV Metal Oxide type, with surge counter (Discharge Class -3)	Nos.	0.60	Ieema circular awaited
2	96 kV Heavy Duty Metal Oxide (Discharge Class -2 for lines & Transformers)	Nos.	0.33	
3	60kV, 10KA Normal Duty (Discharge Class - 2)	Nos.	0.19	
4	30kV Normal Duty Metal Oxide (Discharge Class - 2)	Nos.	0.09	
5	96kV Heavy Duty Metal Oxide (Discharge Class - 3 for Capacitor bank)	Nos.	0.35	
6	60kV Normal Duty Metal Oxide (Discharge Class - 3)	Nos.	0.18	
7	30kV Normal Duty Metal Oxide (Discharge Class - 3)	Nos.	0.07	
8	390kV Metal Oxide type with surge counter(Discharge class-3)	Nos.	1.08	
VII	Current Transformers with 0.2 accuracy class			
1	420kV Class, 50kA CT with ratio 3000-2000-500/1-1-1-1-1A	Nos.	6.19	7.51
2	220kV class -1200-800-600-400-300/1-1-1-1-1A	Nos.	2.30	2.79
3	110kV class - 600-400/1-1-1A (for 100MVA trans)	Nos.	1.15	1.40
4	110kV class - 200-100/1-1-1A	Nos.	0.82	1.00
5	110kV class - 400-200/1-1-1A	Nos.	0.83	1.01
6	66 kV class - 1600-1000/1-1-1A	Nos.	0.97	1.24
7	66 kV class - 1000-800-600/1-1-1A	Nos.	0.69	0.88
8	66kV class - 400-200/1-1-1A	Nos.	0.56	0.72
9	66KV class - 200-100/1-1-1A	Nos.	0.55	0.71
10	33kv class - 400-200/1-1-1A	Nos.	0.27	0.35
11	33KV class - 200-100/1-1-1A	Nos.	0.27	0.35
12	11kV NCTs 2000-1200/1-1-1A (for 31.5KA SWG)	Nos.	0.26	0.33
13	11kV NCTs 1200-800/1-1-1A (for 500MVA SWG)	Nos.	0.28	0.36
14	11kV NCTs 800-600-400/1-1-1A (for 350MVA SWG)	Nos.	0.42	0.54
15	11kV NCTs 600-300/1-1-1A (for PCVCBs upto 10MVA Transformer)	Nos.	0.41	0.53
	11KV CTs Indoor/Outdoor	Nos.		
16	11kV CTs-2000-1200/1-1-1A (for incomer/Bus coupler for 31.5kA SWG)	Nos.	0.34	0.44
17	11kV CTs-1200-800/1-1-1A (for incomer/Bus coupler for 500MVA SWG)	Nos.	0.20	0.26
18	11kV CTs-800-400/1-1-1A (for incomer/Bus coupler for 350MVA SWG)	Nos.	0.21	0.27
19	11kV CTs-600-400/1-1-1A (for feeders of 31.5kA SWG)	Nos.	0.27	0.35
20	11kV CTs-400-200/1-1-1A (for feeders of 500MVA SWG)	Nos.	0.24	0.31
21	11kV CTs-200-100/1-1-1A (for feeders of 350MVA SWG)	Nos.	0.24	0.31


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SI No.	Description of Materials	Unit	Base Price as per MWSR dated 28-05-2019 in Lakhs. (without GST & F&I)	Updated rate in Lakhs(without GST and F&I) as on Dec-21
VIII	Capacitive Voltage Transformers			
1	420kV class 8800pF, 5 cores	Nos.	2.55	3.02
2	245KV CVT, 8800 PF, one phase CVT with 3 secondaries.	Nos.	3.26	3.87
3	245KV CVT, 4400 PF, one phase CVT with 3 secondaries.	Nos.	1.44	1.71
IX	Voltage Transformers			
1	220KV/ $\sqrt{3}$ /110V/ $\sqrt{3}$ - 110V/ $\sqrt{3}$	Nos.	1.85	2.25
2	110KV/ $\sqrt{3}$ -/110V /- $\sqrt{3}$ - 110V/ $\sqrt{3}$ - 110V/ $\sqrt{3}$	Nos.	0.93	1.13
3	66KV/ $\sqrt{3}$ /110V/ $\sqrt{3}$ -110V /- $\sqrt{3}$ - 110V/ $\sqrt{3}$	Nos.	0.57	0.73
4	33KV/ $\sqrt{3}$ -/110V /- $\sqrt{3}$ - 110V/ $\sqrt{3}$	Nos.	0.26	0.33
5	11KV/110V - 110V(Three phase)	Nos.	0.28	0.36
6	11KV/110V - 110V(Single phase)	Nos.	0.21	0.27
X	a) Power Cables - XLPE			
1	127/220KV, Single Core 1200 Sqmm XLPE	Km	225.39	280.04
2	127/220KV, Single Core 1000 Sqmm XLPE	Km	187.83	235.84
3	110KV EHV Cable-1Cx630 sq.mm	Km	102.43	132.69
4	110KV EHV Cable-1Cx400 sq.mm	Km	85.79	107.39
5	110KV EHV Cable-1Cx240 sq.mm	Km	72.79	89.52
6	66KV EHV Cable-1Cx1000 sq.mm	Km	117.95	159.56
7	66KV EHV Cable-1Cx630 sq.mm	Km	65.25	94.32
8	66KV EHV Cable-1Cx240 sq.mm	Km	40.74	56.70
9	11KV UG Cable 3 core 400 sq.mm	Km	12.94	19.94
10	11KV UG Cable 3 core 240 sq.mm	Km	9.03	13.85
11	11KV UG Cable 3 core 95 sq.mm	Km	5.02	7.52
	b) 1.1KV LT Power Cables(Aluminium)			
1	4C X 6 Sq mm Aluminium cable with glands/lugs/ferrules	Km	0.92	1.26
2	4C X 10 Sq mm Aluminium cable with glands/lugs/ferrules	Km	2.40	2.79
3	4C X 16 Sq mm Aluminium cable with glands/lugs/ferrules	Km	1.36	1.87
4	4C X 25 Sq mm Aluminium cable with glands/lugs/ferrules	Km	1.31	2.04
5	3.5C X 35 Sq mm Aluminium cable with glands/lugs/ferrules	Km	2.09	2.91
6	3.5C X 240 Sq mm Aluminium cable with glands/lugs/ferrules	Km	7.89	12.01
7	3.5C X 300 Sq mm Aluminium cable with glands/lugs/ferrules	Km	14.61	19.64
	c) Copper Control Cables			
1	2 Core 2.5 sq.mm	Km	0.62	0.89
2	4 Core 2.5 sq.mm	Km	0.94	1.40
3	5 Core 2.5 sq.mm	Km	1.65	2.11
4	7 Core 2.5 sq.mm	Km	2.09	2.55
5	10 Core 2.5 sq.mm	Km	1.89	2.94
6	14 Core 2.5 sq.mm	Km	2.76	4.20
7	19 Core 2.5 sq.mm	Km	3.47	5.38


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Sl No	Description of Materials	Unit	Base Price as per MWSR dated 28-05-2019 in Rs. (without GST & F&I)	Updated rate in Rs.(without GST and F&I) as on
XI	Insulators			Dec-21
1	Solid Core Insulators 220KV	Nos.	22203.61	24441.54
2	Solid Core Insulators 110KV	Nos.	9767.17	10751.62
3	Solid Core Insulators 66KV	Nos.	4403.36	4847.18
4	Solid Core Insulators 33KV	Nos.	2959.54	3257.84
5	Disc Insulator 70KN	Nos.	391.02	430.43
6	Disc Insulator 90KN	Nos.	447.54	492.65
7	Disc Insulator 120KN	Nos.	550.00	605.44
8	Disc Insulator 160KN	Nos.	779.11	857.64
9	Antifog Disc Insulator 120KN	Nos.	810.00	891.64
10	Antifog Disc Insulator 160KN	Nos.	945.00	1040.25
11	33 kV pin insulator shell with pin	Nos.	488.64	537.89
12	Pins for above	Nos.	195.21	214.89
13	Solid Core long rod Insulators 90KN	Nos.	4098.85	4511.98
14	Solid Core long rod Insulators 120KN	Nos.	17409.89	19164.65
15	Solid Core long rod Insulators 160KN	Nos.	23285.62	25632.61
16	220KV Polymer Disc Insulator	Set	6771.51	7454.02
17	110KV Polymer Disc Insulator	Set	3227.34	3552.63
18	66KV Polymer Disc Insulator	Set	2609.14	2872.12


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Sl No.	Description of Materials	Unit	Base Price as per MWSR dated 28-05-2019 in Lakhs. (without GST & F&I)	Updated rate in Lakhs(without tax) as on
				Dec-21
XII	11KV SWITCHGEAR			
	MCVCB			
1	11KV MCVCB ,31.5KA,500MVA,2000A incomer 1600A feeder			
i	Incomer Panel	Nos	8.14	11.20
ii	Feeder Panel	Nos	6.71	9.23
iii	Bus coupler	Nos	7.29	10.03
iv	Feeder panel for capacitor bank	Nos	7.05	9.70
2	11KV MCVCB,25KA,500MVA,1600A incomer 1250A feeder			
i	Incomer Panel	Nos	6.17	8.49
ii	Feede panel	Nos	5.38	7.40
iii	Bus coupler	Nos	5.32	7.32
iv	Feeder panel for capacitor bank	Nos	5.71	7.85
3	11KV MCVCB,20KA,350MVA,1250A incomer 800A feeder			
i	Incomer Panel	Nos	6.05	8.32
ii	Feede panel	Nos	5.30	7.29
iii	Bus coupler	Nos	5.16	7.10
iv	Feeder panel for capacitor bank	Nos	5.60	7.70
4	11 kV PCVCB,350MVA,20KA,1250A Incomer,800A feeder			
i	Incomer Panel	Nos	4.78	6.57
ii	Feeder panel	Nos	3.76	5.17
iii	Feeder panel for capacitor Bank	Nos	4.13	5.68
5	Adapter Panel for MCVCBs			
i	Adapter Panel (1250 A)	Nos	1.17	1.61
ii	Adapter Panel (2000 A)	Nos	1.32	1.82
6	Annunciator Panel			
i	1I/C+4F	Nos	0.88	1.21
ii	1I/C+5F	Nos	1.14	1.57
iii	2I/C+8F	Nos	1.59	2.19
iv	1I/C+4F+1CB	Nos	1.05	1.44
v	1I/C+5F+1CB	Nos	1.30	1.79
vi	2I/C+8F+2CB	Nos	1.91	2.63


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Sl No.	Description of Materials	Unit	Base Price as per MWSR dated 28-05-2019 in Lakhs. (without GST & F&I)	Updated rate in Lakhs(without GST and F&I) as on
				Dec-21
vii	2I/C+8F+1BC	Nos	1.73	2.38
viii	2I/C+10F+1BC	Nos	1.91	2.63
ix	2I/C+12F+1BC	Nos	2.09	2.87
x	2I/C+14F+1BC	Nos	2.25	3.09
xi	2I/C+16F+1BC	Nos	2.58	3.55
7	Circuit Breakers			
i	420KV class, 50kA, 3150A (without closing resistors)	No.	23.00	28.30
ii	420KV class, 50kA, 3150A (with closing resistors)	No.	33.00	40.60
iii	220KV, SF6 Breaker	No.	16.06	19.76
iv	110KV, SF6 Breaker	No.	4.86	5.98
v	66KV, SF6 Breaker	No.	5.35	6.58
vi	33KV, SF6 Breaker	No.	3.49	4.80
XIII	TRANSFORMER OIL		Base Price as per MWSR dated 28-05-2019 in Rs. (without GST & F&I)	Updated rate in Rs(without GST and F&I) as on
				Dec-21
i	EHV Grade Transformer oil in new steel barrel of 210 litre capacity	KL	61000.00	82580.80


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