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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

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Office of the
Chief Engineer, Electricity,
Tendering & Procurement,
Kaveri Bhavan, KPTCL,
'A' Block,
BANGALORE - 560 009.

No. CEE/T&P/ SEE(T&P)/EE(P)/AEEP2/2021-22/ 16720

Date:

24 FEB 2022

CIRCULAR

Sub: Updating of S.R. of Major Works for the Month of **February-2022**.

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 **February-2022(considering IEEMA circulars of January-2022 price indices except conductor for which CACMAI indices of February-2022 is considered)** are indicated in the enclosed Annexure. Except for Battery Sets, Battery chargers, Lightning Arrestor, CT, CVT, VT and Insulators for which the IEEMA circulars are 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

20/2/2022/24/2
Chief Engineer, Electy.,
Tendering & Procurement.

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.

| 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 |
|-------------------------------------|---|------|--|---|
| | | | Feb-22 | |
| 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 | 1.261 |
| 2 | Lynx ACSR | Kms. | 1.020 | 1.738 |
| 3 | Drake ACSR | Kms. | 2.050 | 3.556 |
| 4 | Moose ACSR | Kms. | 3.560 | 5.502 |
| 5 | AAAC MOOSE | Kms. | 2.610 | 4.656 |
| 6 | 7/3.15 mm G.I. Wire for ground | Kms. | 0.580 | 0.698 |

IV Hardware accessories for Conductor/ Groud wire

| Sl. No. | Description | Unit | Updated rate(without GST and F&I) in Rs. as on | | | | | | | | Feb-22 | |
|----------|---|------|--|--|---|---|---|---|---|---|--|--|
| | | | 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 | | | Feb-22 | | Feb-22 | | Feb-22 | | Feb-22 | | Feb-22 |
| 1 | Single Tension Clamps with arching horns | Nos. | 2487.00 | 3531.24 | 1085.00 | 1540.57 | 993.00 | 1409.94 | 780.00 | 1107.51 | 816.00 | 1006.25 |
| 2 | Double Tension Clamps with arching horns | Nos. | 4429.00 | 6288.65 | 3090.00 | 4387.43 | 2870.00 | 4075.06 | 2554.00 | 3626.37 | - | - |
| 3 | Single Suspension Clamps with arching horns | Nos. | 1553.00 | 2205.07 | 1318.00 | 1871.40 | 1219.00 | 1730.83 | 812.00 | 1152.94 | 861.00 | 1061.75 |
| 4 | Double Suspension Clamps with arching horns | Nos. | 2948.00 | 4185.81 | 2515.00 | 3571.00 | 2487.00 | 3531.24 | 2231.00 | 3167.75 | - | - |
| 5 | P.G. Clamps | Nos. | 535.00 | 759.64 | 513.00 | 728.40 | 210.00 | 298.17 | 91.00 | 129.21 | 266.00 | 328.02 |
| 6 | M.S.C Joints | Nos. | 760.00 | 1079.11 | 442.00 | 627.59 | 411.00 | 583.57 | 273.00 | 387.63 | 303.00 | 373.65 |
| 7 | Pre-formed Armour R | Nos. | 2212.00 | 3140.77 | 836.00 | 1187.02 | 716.00 | 1016.63 | 578.00 | 820.69 | - | - |
| 8 | Repair Sleeves | Nos. | 585.00 | 830.63 | 391.00 | 555.17 | 199.00 | 282.56 | 146.00 | 207.30 | 204.00 | 251.56 |
| 9 | Vibration Damper | Nos. | 1020.00 | 1448.28 | 671.00 | 952.74 | 564.00 | 800.81 | 606.00 | 860.45 | - | - |
| 10 | Automatic Comealong clamp | Nos. | 5236.00 | 7434.49 | 5031.00 | 7143.42 | 5031.00 | 7143.42 | 5031.00 | 7143.42 | 2757.00 | 3399.80 |
| 11 | Pad Clamps | Nos. | 535.00 | 759.64 | 738.00 | 1047.87 | 210.00 | 298.17 | 534.00 | 758.22 | - | - |


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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 |
|----------|--|------|---|---|
| | | | | Feb-22 |
| B | Hardware Clamps for station materials Bolted Type tension Clamp | | | |
| 1 | Twin Falcon ACSR conductor 120KN 20 mm | Nos. | 3371.00 | 4786.41 |
| 2 | Twin Drake ACSR conductor 120KN 20 mm | Nos. | 2900.00 | 4117.65 |
| 3 | Twin Moose ACSR conductor 120KN 20 mm | Nos. | 3020.00 | 4288.04 |
| 4 | Twin Falcon ACSR conductor 90KN 16 mm | Nos. | 2732.00 | 3879.11 |
| 5 | Single Falcon ACSR conductor 120KN 20 mm | Nos. | 1776.00 | 2521.71 |
| 6 | Twin Drake ACSR conductor 90KN 16 mm | Nos. | 2635.00 | 3741.38 |
| 7 | Single Falcon ACSR conductor 90KN 16mm | Nos. | 1721.00 | 2443.61 |
| 8 | Single Drake ACSR Conductor 120KN 20 mm | Nos. | 1664.00 | 2362.68 |
| 9 | Single Drake ACSR Conductor 70/90KN 16 mm | Nos. | 1605.00 | 2278.91 |
| 10 | Single LYNX ACSR conductor 70/90KN 16mm | Nos. | 935.00 | 1327.59 |
| 11 | Single Coyote ACSR conductor 70/90KN 16 mm | Nos. | 877.00 | 1245.23 |
| 12 | Single Rabbit ACSR conductor 70/90KN 16 mm | Nos. | 660.00 | 937.12 |
| C | Wedged Clamps | | | |
| 1 | Single Tension clamp compression type Drake ACSR | Nos. | 2527.00 | 3588.04 |
| 2 | Single Tension clamp compression type Moose ACSR | Nos. | 2527.00 | 3588.04 |
| D | Bolted Type suspension clamp | | | |
| 1 | Twin Falcon ACSR conductor 90KN 16 mm | Nos. | 3113.00 | 4420.09 |
| 2 | Twin Moose ACSR conductor 90KN 16 mm | Nos. | 2879.00 | 4087.83 |
| 3 | Twin Drake ACSR conductor 90KN 16 mm | Nos. | 2108.00 | 2993.11 |
| 4 | Single Falcon ACSR conductor 90KN 16 mm | Nos. | 1271.00 | 1804.67 |
| 5 | Single Drake ACSR conductor 70/90KN 16 mm | Nos. | 1114.00 | 1581.75 |
| 6 | Single LYNX ACSR conductor 70/90KN 16 mm | Nos. | 835.00 | 1185.60 |
| 7 | Single coyote ACSR conductor 70/90KN 16 mm | Nos. | 757.00 | 1074.85 |
| 8 | Single Rabbit ACSR Conductor 70/90KN 16 mm | Nos. | 606.00 | 860.45 |
| E | Hardware Clamps for station materials | | | |
| 1 | Ground wire clamp 7/3.15mm 2 bolt | Nos. | 855.00 | 1054.35 |


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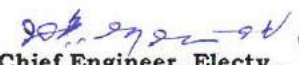
| Sl No. | Description of Materials | Unit | Base Price as per | Updated rate in |
|--|---|------|--|--|
| | | | MWSR dated 28-05-2019 in Rs. (without GST & F&I) | Rs.(without GST and F&I) as on Feb-22 |
| F Post Insulator clamps | | | | |
| 1 | Twin Falcon ACSR Conductor 127 mm 220kV | Nos. | 1263.00 | 1793.31 |
| 2 | Twin Moose ACSR Conductor 127 mm 220KV | Nos. | 1080.00 | 1533.47 |
| 3 | Twin Drake ACSR Conductor 127 mm, 220/110/66kV | Nos. | 1013.00 | 1438.34 |
| 4 | Single Falcon ACSR Conductor 127/76 mm, 220/110/66kV | Nos. | 729.00 | 1035.09 |
| 5 | Single Drake ACSR Conductor 127/76mm, 220/110/66/33kV | Nos. | 668.00 | 948.48 |
| 6 | Single Lynx ACSR Conductor 127/76mm, 110/66/33KV | Nos. | 624.00 | 886.01 |
| 7 | Single Coyote ACSR Conductor 127/76mm 66/33KV | Nos. | 577.00 | 819.27 |
| 8 | Single Rabbit ACSR Conductor 76mm, 33KV | Nos. | 529.00 | 751.12 |
| G Spacer Clamp for ACSR Conductors | | | | |
| 1 | Twin Falcon 220KV | Nos. | 467.00 | 663.08 |
| 2 | Twin Moose 220KV | Nos. | 439.00 | 623.33 |
| 3 | Twin Drake 220/110/66KV | Nos. | 419.00 | 594.93 |
| H Power Connectors 'T' Clamps for ACSR Conductors | | | | |
| 1 | Twin Falcon to Single Drake | Nos. | 1348.00 | 2072.82 |
| 2 | Twin Moose to Single Drake | Nos. | 1015.00 | 1560.77 |
| 3 | Twin Drake to Single Drake | Nos. | 870.00 | 1337.80 |
| 4 | Single Falcon to Single Drake | Nos. | 547.00 | 841.12 |
| 5 | Single Drake to Single Drake | Nos. | 481.00 | 739.64 |
| 6 | Single Drake to Single Lynx | Nos. | 450.00 | 691.97 |
| 7 | Single Drake to Single Coyote | Nos. | 422.00 | 648.91 |
| 8 | Single Lynx to Single Lynx | Nos. | 355.00 | 545.88 |
| 9 | Single Coyote to Single Drake | Nos. | 422.00 | 648.91 |
| 10 | Single Lynx to Single Drake | Nos. | 450.00 | 691.97 |
| 11 | Single Coyote to Single Drake | Nos. | 337.00 | 518.21 |

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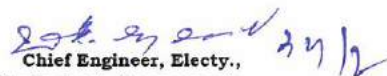
| Sl. No. | Description | Unit | Base Price as per MWSR dated 28-05-2019 in Rs. (without GST & F&I) | Updated rate in Rs.(without GST and F&I) as on Feb-22 |
|--------------------------------|---|------|--|---|
| C-type Wedge Connectors | | | | |
| 1 | Rabbit to coyote ACSR conductor | Nos. | 531.00 | 816.52 |
| 2 | Rabbit to Lynx ACSR conductor | Nos. | 1491.00 | 2292.72 |
| 3 | Rabbit to Drake ACSR conductor | Nos. | 2561.00 | 3938.06 |
| 4 | Coyote to coyote ACSR conductor | Nos. | 531.00 | 816.52 |
| 5 | Coyote to Lynx ACSR conductor | Nos. | 1639.00 | 2520.30 |
| 6 | Coyote to Drake ACSR conductor | Nos. | 1771.00 | 2723.27 |
| 7 | Lynx to Lynx ACSR conductor | Nos. | 1111.00 | 1708.39 |
| 8 | Lynx to Drake ACSR conductor | Nos. | 1556.00 | 2392.67 |
| 9 | Drake to Drake ACSR conductor | Nos. | 1868.00 | 2872.43 |
| 10 | Double Drake to Single Drake | Nos. | 4998.00 | 7685.44 |
| 11 | Rabbit to 2 hole paddle ACSR conductor - 610A | Nos. | 1546.00 | 2377.29 |
| 12 | Rabbit to 2 hole paddle ACSR conductor - 895A | Nos. | 1694.00 | 2604.87 |
| 13 | Coyote 2 hole paddle ACSR conductor - 610A | Nos. | 1546.00 | 2377.29 |
| 14 | Coyote 2 hole paddle ACSR conductor - 895A | Nos. | 1932.00 | 2970.84 |
| 15 | Coyote 2 hole paddle ACSR conductor - 1400A | Nos. | 4959.00 | 7625.47 |
| 16 | Coyote 4 hole paddle ACSR conductor - 610A | Nos. | 1642.00 | 2524.91 |
| 17 | Coyote 4 hole paddle ACSR conductor - 895A | Nos. | 2250.00 | 3459.83 |
| 18 | Coyote 4 hole paddle ACSR conductor - 1400A | Nos. | 4811.00 | 7397.89 |
| 19 | Lynx 2 hole paddle ACSR conductor - 610A | Nos. | 2683.00 | 4125.66 |
| 20 | Lynx 2 hole paddle ACSR conductor - 895A | Nos. | 1868.00 | 2872.43 |
| 21 | Lynx 2 hole paddle ACSR conductor - 1400A | Nos. | 5081.00 | 7813.07 |


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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 Feb-22 |
|---------|---|------|--|---|
| 22 | Lynx 4 hole paddle ACSR conductor - 610A | Nos. | 3050.00 | 4689.99 |
| 23 | Lynx 4 hole paddle ACSR conductor - 895A | Nos. | 1932.00 | 2970.84 |
| 24 | Lynx 4 hole paddle ACSR conductor - 1400A | Nos. | 3381.00 | 5198.97 |
| 25 | Drake 2 hole paddle ACSR conductor - 610A | Nos. | 4879.00 | 7502.45 |
| 26 | Drake 2 hole paddle ACSR conductor - 895A | Nos. | 2483.00 | 3818.12 |
| 27 | Drake 2 hole paddle ACSR conductor - 1400A | Nos. | 2585.00 | 3974.96 |
| 28 | Drake 4 hole paddle ACSR conductor - 610A | Nos. | 3388.00 | 5209.74 |
| 29 | Drake 4 hole paddle ACSR conductor - 895A | Nos. | 2585.00 | 3974.96 |
| 30 | Drake 4 hole paddle ACSR conductor - 1400A | Nos. | 5406.00 | 8312.82 |
| 31 | Rabbit to Rabbit ACSR conductor | Nos. | 542.00 | 833.44 |
| 32 | Drake to Moose ACSR conductor | Nos. | 2737.00 | 4208.69 |
| 33 | Drake to Falcon ACSR conductor | Nos. | 7777.00 | 11958.72 |
| 34 | Moose to Moose ACSR conductor | Nos. | 2737.00 | 4208.69 |
| 35 | Moose to Falcon ACSR conductor | Nos. | 7777.00 | 11958.72 |
| 36 | Falcon to Falcon ACSR conductor | Nos. | 7728.00 | 11883.37 |
| 37 | Moose 2 hole paddle ACSR conductor & 2 hole paddle - 895A | Nos. | 7114.00 | 10939.22 |
| 38 | Moose 2 hole paddle ACSR conductor & 2 hole paddle - 1400A | Nos. | 7114.00 | 10939.22 |
| 39 | Moose 4 hole paddle ACSR conductor & 4 hole paddle - 895A | Nos. | 7114.00 | 10939.22 |
| 40 | Moose 4 hole paddle ACSR conductor & 4 hole paddle - 1400A | Nos. | 7114.00 | 10939.22 |
| 41 | Falcon 2 hole paddle ACSR conductor & 2 hole paddle - 1400A | Nos. | 18430.00 | 28339.87 |
| 42 | Falcon 4 hole paddle ACSR conductor & 4 hole paddle - 1400A | Nos. | 18430.00 | 28339.87 |
| 43 | CT clamps for single drake | Nos. | 850.00 | 1307.05 |
| 44 | PG clamps for coyote to Rabbit | Nos. | 210.00 | 322.92 |
| 45 | NCT Pad Clamp | Nos. | 700.00 | 1076.39 |


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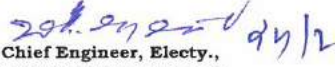
| Sl No. | Description of Materials | Unit | Base Price as per MWSR dated 28-05-2019 in Rs. (without GST & F&I) | Updated rate in Rs.(without GST and F&I) as on Feb-22 | |
|---|--|------|---|--|--|
| | | | | | |
| I Power Connectors, Terminal connector clamps for ACSR Conductor | | | | | |
| 1 | Twin Drake | Nos. | 1222.00 | 1879.07 | |
| 2 | Single Drake | Nos. | 737.00 | 1133.29 | |
| 3 | Single Lynx | Nos. | 564.00 | 867.26 | |
| 4 | Single Coyote | Nos. | 489.00 | 751.94 | |
| J Power connectors expansion type terminal connectors suitable for aluminium pipes | | | | | |
| 1 | 63 mm nominal diameter x 73.03 mm | Nos. | 1312.00 | 2017.47 | |
| 2 | 50 mm nominal diameter x 60.03 mm | Nos. | 1118.00 | 1719.15 | |
| 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 Feb-22 | |
| | | | | | |
| 1 | 48V, 100AH | Set | 1.25 | IEEMA Circular awaited | |
| 2 | 48V , 200 AH | Set | 2.35 | | |
| 3 | 48V , 300 AH | Set | 3.39 | | |
| 4 | 48V , 400 AH | Set | 5.74 | | |
| 5 | 110V, 100AH | Set | 3.26 | | |
| 6 | 220V, 300AH | Set | 15.78 | | |
| 7 | 220V, 645 AH for GIS | Set | 45.65 | | |
| B Battery Sets (Tubular) | | | | | |
| 1 | 110V, 100AH | Set | 2.8 | | |
| 2 | 220V. 300AH | Set | 14.54 | | |
| C Battery Charger | | | | | |
| 1 | 48 V, 200 AH | Set | 2.25 | | |
| 2 | Suitable for 200AH (75A) | No. | 4.37 | | |
| 3 | Suitable for 400AH (100A) | No. | 5.82 | | |
| 4 | 110V, 100Ah(with float cum boost battery charger working on 230V, 1 Ph AC supply as per specification) | Set | 0.96 | | |
| 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) 1 I/C+20 O/G SFU 60A+20 O/G SFU 30A) | Set | 5.49 | | |
| 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 | | |


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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 Feb-22 |
|---|---|------|--|---|
| | | | | |
| 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 | IEEMa Circular awaited |
| 2 | 220kV class -1200-800-600-400-300/1-1-1-1-1A | Nos. | 2.30 | |
| 3 | 110kV class - 600-400/1-1-1A (for 100MVA trans) | Nos. | 1.15 | |
| 4 | 110kV class - 200-100/1-1-1A | Nos. | 0.82 | |
| 5 | 110kV class - 400-200/1-1-1A | Nos. | 0.83 | |
| 6 | 66 kV class - 1600-1000/1-1-1A | Nos. | 0.97 | |
| 7 | 66 kV class - 1000-800-600/1-1-1A | Nos. | 0.69 | |
| 8 | 66kV class - 400-200/1-1-1A | Nos. | 0.56 | |
| 9 | 66KV class - 200-100/1-1-1A | Nos. | 0.55 | |
| 10 | 33kv class - 400-200/1-1-1A | Nos. | 0.27 | |
| 11 | 33KV class - 200-100/1-1-1A | Nos. | 0.27 | |
| 12 | 11kV NCTs 2000-1200/1-1-1A (for 31.5KA SWG) | Nos. | 0.26 | |
| 13 | 11kV NCTs 1200-800/1-1-1A (for 500MVA SWG) | Nos. | 0.28 | |
| 14 | 11kV NCTs 800-600-400/1-1-1A (for 350MVA SWG) | Nos. | 0.42 | |
| 15 | 11kV NCTs 600-300/1-1-1A (for PCVCBs upto 10MVA Transformer) | Nos. | 0.41 | |
| | 11KV CTs Indoor/Outdoor | Nos. | | |
| 16 | 11kV CTs-2000-1200/1-1-1A (for incomer/Bus coupler for 31.5kA SWG) | Nos. | 0.34 | |
| 17 | 11kV CTs-1200-800/1-1-1A (for incomer/Bus coupler for 500MVA SWG) | Nos. | 0.20 | |
| 18 | 11kV CTs-800-400/1-1-1A (for incomer/Bus coupler for 350MVA SWG) | Nos. | 0.21 | |
| 19 | 11kV CTs-600-400/1-1-1A (for feeders of 31.5kA SWG) | Nos. | 0.27 | |
| 20 | 11kV CTs-400-200/1-1-1A (for feeders of 500MVA SWG) | Nos. | 0.24 | |
| 21 | 11kV CTs-200-100/1-1-1A (for feeders of 350MVA SWG) | Nos. | 0.24 | |

[Signature]
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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 Feb-22 |
|-------------|--|------|---|---|
| | | | | |
| VIII | Capacitive Voltage Transformers | | | |
| 1 | 420kV class 8800pF, 5 cores | Nos. | 2.55 | IEEMa Circular awaited |
| 2 | 245KV CVT, 8800 PF, one phase CVT with 3 secondaries. | Nos. | 3.26 | |
| 3 | 245KV CVT, 4400 PF, one phase CVT with 3 secondaries. | Nos. | 1.44 | |
| IX | Voltage Transformers | | | |
| 1 | 220KV/ $\sqrt{3}$ /110V/ $\sqrt{3}$ / - 110V/ $\sqrt{3}$ | Nos. | 1.85 | |
| 2 | 110kV/ $\sqrt{3}$ -/110V /- $\sqrt{3}$ - 110V/ $\sqrt{3}$ - 110V/ $\sqrt{3}$ | Nos. | 0.93 | |
| 3 | 66KV/ $\sqrt{3}$ /110V/ $\sqrt{3}$ -110V /- $\sqrt{3}$ - 110V/ $\sqrt{3}$ | Nos. | 0.57 | |
| 4 | 33KV/ $\sqrt{3}$ -/110V /- $\sqrt{3}$ - 110V/ $\sqrt{3}$ | Nos. | 0.26 | |
| 5 | 11KV/110V - 110V(Three phase) | Nos. | 0.28 | |
| 6 | 11KV/110V - 110V(Single phase) | Nos. | 0.21 | |
| X | a) Power Cables - XLPE | | | |
| 1 | 127/220KV, Single Core 1200 Sqmm XLPE | Km | 225.39 | 278.14 |
| 2 | 127/220KV, Single Core 1000 Sqmm XLPE | Km | 187.83 | 234.08 |
| 3 | 110KV EHV Cable-1Cx630 sq.mm | Km | 102.43 | 131.79 |
| 4 | 110KV EHV Cable-1Cx400 sq.mm | Km | 85.79 | 106.60 |
| 5 | 110KV EHV Cable-1Cx240 sq.mm | Km | 72.79 | 88.82 |
| 6 | 66KV EHV Cable-1Cx1000 sq.mm | Km | 117.95 | 158.73 |
| 7 | 66KV EHV Cable-1Cx630 sq.mm | Km | 65.25 | 93.64 |
| 8 | 66KV EHV Cable-1Cx240 sq.mm | Km | 40.74 | 56.21 |
| 9 | 11KV UG Cable 3 core 400 sq.mm | Km | 12.94 | 20.15 |
| 10 | 11KV UG Cable 3 core 240 sq.mm | Km | 9.03 | 13.91 |
| 11 | 11KV UG Cable 3 core 95 sq.mm | Km | 5.02 | 7.45 |
| | b) 1.1KV LT Power Cables(Aluminium) | | | |
| 1 | 4C X 6 Sq mm Aluminium cable with glands/lugs/ferrules | Km | 0.92 | 1.25 |
| 2 | 4C X 10 Sq mm Aluminium cable with glands/lugs/ferrules | Km | 2.40 | 2.78 |
| 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 | 2.05 |
| 5 | 3.5C X 35 Sq mm Aluminium cable with glands/lugs/ferrules | Km | 2.09 | 2.94 |
| 6 | 3.5C X 240 Sq mm Aluminium cable with glands/lugs/ferrules | Km | 7.89 | 12.42 |
| 7 | 3.5C X 300 Sq mm Aluminium cable with glands/lugs/ferrules | Km | 14.61 | 20.17 |
| | c) Copper Control Cables | | | |
| 1 | 2 Core 2.5 sq.mm | Km | 0.62 | 0.88 |
| 2 | 4 Core 2.5 sq.mm | Km | 0.94 | 1.38 |
| 3 | 5 Core 2.5 sq.mm | Km | 1.65 | 2.09 |
| 4 | 7 Core 2.5 sq.mm | Km | 2.09 | 2.53 |
| 5 | 10 Core 2.5 sq.mm | Km | 1.89 | 2.92 |
| 6 | 14 Core 2.5 sq.mm | Km | 2.76 | 4.17 |
| 7 | 19 Core 2.5 sq.mm | Km | 3.47 | 5.34 |


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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 | | | Feb-22 |
| 1 | Solid Core Insulators 220KV | Nos. | 22203.61 | IEEMa Circular awaited |
| 2 | Solid Core Insulators 110KV | Nos. | 9767.17 | |
| 3 | Solid Core Insulators 66KV | Nos. | 4403.36 | |
| 4 | Solid Core Insulators 33KV | Nos. | 2959.54 | |
| 5 | Disc Insulator 70KN | Nos. | 391.02 | |
| 6 | Disc Insulator 90KN | Nos. | 447.54 | |
| 7 | Disc Insulator 120KN | Nos. | 550.00 | |
| 8 | Disc Insulator 160KN | Nos. | 779.11 | |
| 9 | Antifog Disc Insulator 120KN | Nos. | 810.00 | |
| 10 | Antifog Disc Insulator 160KN | Nos. | 945.00 | |
| 11 | 33 kV pin insulator shell with pin | Nos. | 488.64 | |
| 12 | Pins for above | Nos. | 195.21 | |
| 13 | Solid Core long rod Insulators 90KN | Nos. | 4098.85 | |
| 14 | Solid Core long rod Insulators 120KN | Nos. | 17409.89 | |
| 15 | Solid Core long rod Insulators 160KN | Nos. | 23285.62 | |
| 16 | 220KV Polymer Disc Insulator | Set | 6771.51 | |
| 17 | 110KV Polymer Disc Insulator | Set | 3227.34 | |
| 18 | 66KV Polymer Disc Insulator | Set | 2609.14 | |

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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 |
|------------|---|------|--|--|
| | | | | Feb-22 |
| XII | 11KV SWITCHGEAR | | | |
| | MCVCB | | | |
| 1 | 11KV MCVCB ,31.5KA,500MVA,2000A incomer 1600A feeder | | | |
| i | Incomer Panel | Nos | 8.14 | 11.30 |
| ii | Feeder Panel | Nos | 6.71 | 9.31 |
| iii | Bus coupler | Nos | 7.29 | 10.12 |
| iv | Feeder panel for capacitor bank | Nos | 7.05 | 9.79 |
| 2 | 11KV MCVCB,25KA,500MVA,1600A incomer 1250A feeder | | | |
| i | Incomer Panel | Nos | 6.17 | 8.56 |
| ii | Feede panel | Nos | 5.38 | 7.47 |
| iii | Bus coupler | Nos | 5.32 | 7.38 |
| iv | Feeder panel for capacitor bank | Nos | 5.71 | 7.93 |
| 3 | 11KV MCVCB,20KA,350MVA,1250A incomer 800A feeder | | | |
| i | Incomer Panel | Nos | 6.05 | 8.40 |
| ii | Feede panel | Nos | 5.30 | 7.36 |
| iii | Bus coupler | Nos | 5.16 | 7.16 |
| iv | Feeder panel for capacitor bank | Nos | 5.60 | 7.77 |
| 4 | 11 kV PCVCB,350MVA,20KA,1250A Incomer,800A feeder | | | |
| i | Incomer Panel | Nos | 4.78 | 6.63 |
| ii | Feeder panel | Nos | 3.76 | 5.22 |
| iii | Feeder panel for capacitor Bank | Nos | 4.13 | 5.73 |
| 5 | Adapter Panel for MCVCBs | | | |
| i | Adapter Panel (1250 A) | Nos | 1.17 | 1.62 |
| ii | Adapter Panel (2000 A) | Nos | 1.32 | 1.83 |
| 6 | Annunciator Panel | | | |
| i | 11/C+4F | Nos | 0.88 | 1.22 |
| ii | 11/C+5F | Nos | 1.14 | 1.58 |
| iii | 21/C+8F | Nos | 1.59 | 2.21 |
| iv | 11/C+4F+1CB | Nos | 1.05 | 1.46 |
| v | 11/C+5F+1CB | Nos | 1.30 | 1.80 |
| vi | 21/C+8F+2CB | Nos | 1.91 | 2.65 |


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SECRET

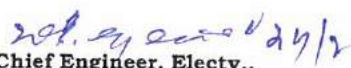
| Sl No. | Description of Materials | Unit | Base Price as per MWSR dated 28-05-2019 in Lakhs. (without GST & F&I) | Updated rate in Lakhs(without GST and F&I) as on |
|-------------|---|------|--|---|
| | | | | Feb-22 |
| vii | 2I/C+8F+1BC | Nos | 1.73 | 2.40 |
| viii | 2I/C+10F+1BC | Nos | 1.91 | 2.65 |
| ix | 2I/C+12F+1BC | Nos | 2.09 | 2.90 |
| x | 2I/C+14F+1BC | Nos | 2.25 | 3.12 |
| xi | 2I/C+16F+1BC | Nos | 2.58 | 3.58 |
| 7 | Circuit Breakers | | | |
| i | 420KV class, 50kA, 3150A (without closing resistors) | No. | 23.00 | 28.77 |
| ii | 420KV class, 50kA, 3150A (with closing resistors) | No. | 33.00 | 41.28 |
| iii | 220KV, SF6 Breaker | No. | 16.06 | 20.09 |
| iv | 110KV, SF6 Breaker | No. | 4.86 | 6.08 |
| v | 66KV, SF6 Breaker | No. | 5.35 | 6.69 |
| vi | 33KV, SF6 Breaker | No. | 3.49 | 4.84 |
| 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 |
| | | | | Feb-22 |
| i | EHV Grade Transformer oil in new steel barrel of 210 litre capacity | KL | 61000.00 | 79610.80 |

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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 | | | Feb-22 |
| 1 | 500 MVA, 400/220/33kV three phase inter-connecting Transformer | No | 1262.51 | 1848.09 |
| 2 | 315 MVA, 400/220/33KV three phase Inter-connecting Transformer | No | 1180.09 | 1727.45 |
| 3 | 167 MVA,400/220/33 kV single phase interconnecting transformer | No. | 427.85 | 626.30 |
| 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 | 945.24 |
| 5 | 100 MVA, 220/66/11 KV Transformer complete with all accessories as in item No 4. Above | No | 395.35 | 578.72 |
| 6 | 100 MVA, 220/110/11 KV Auto Transformer complete with all accessories as in item No 4. Above | No | 368.3 | 539.13 |
| 7 | 31.5 MVA, 66/11 KV Transformer complete with all accessories as in item No 4. Above | No | 176.41 | 258.23 |
| 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 | 199.15 |
| 9 | 20 MVA, 110/33/11 KV Transformer complete with all accessories as in item No 8. Above | No | 146.44 | 214.36 |
| 10 | 12.5 MVA, 66/11 KV Transformer complete with all accessories as in item No 8. Above | No | 91.85 | 134.45 |
| 11 | 10 MVA, 110/33/11 KV Transformer complete with all accessories as in item No 8. Above | No | 89.5 | 131.01 |
| 12 | 8 MVA, 66/11 KV Transformer complete with all accessories as in item No 8. Above | No | 95.71 | 140.10 |
| 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 | 18.64 | 27.02 |


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