

**CHAPTER – 6****TRANSMISSION TARIFF FOR FY23-25****6.0 KPTCL's Submission:**

KPTCL in its application dated 30<sup>th</sup> November, 2021 has furnished the ESCOM wise transmission capacity as follows:

Considering the proposed ARR for FY23-25 and gap in revenue for FY21, KPTCL has projected the transmission tariff for the control period as follows:

**TABLE - 6.1****Transmission Capacity Allocation in MW –KPTCL's submission**

Capacity allocation amongst ESCOMs	2022-23 (Projected)	2023-24 (Projected)	2024-25 (Projected)
BESCOM	14361	15891	16698.5
MESCOM	2210	2210	2210
CESC	3102	3357	3654.5
HESCOM	5657	5827	6422
GESCOM	3400	3570	3740
<b>TOTAL</b>	<b>28730</b>	<b>30855</b>	<b>32725</b>

**TABLE – 6.2****Transmission Charges-KPTCL's Submission**

Particulars	Amount in Rs. Crores		
	FY 23	FY 24	FY 25
Transmission Capacity in MW	28730	30855	32725
Net ARR - (A)	5304.86	6119.31	7045.96
Add: Gap of 2020-21 – (B)	179.18	-	-
ARR Approved, but not recovered through Tariff from 01.04.2020 to 31.10.2020 (C)	377.82	-	-
Add: Amortized Regulatory Assets as per KERC Order Dated:19.10.2020 (D)	331.41	331.41	331.41
Total Revenue Requirement (A+B+C+D)	6193.27	6450.72	7377.37
<b>Transmission Tariff (in Rs./MW/Month)</b>	<b>179640</b>	<b>174221</b>	<b>187863</b>

Based on the above transmission tariff, KPTCL in its filing has proposed the following transmission charges to be collected from the ESCOMs during the Sixth Control Period FY23-25.

**TABLE – 6.3****ESCOM-Wise Proposed Transmission charges – KPTCL's Submission**

Company	2022-23		2023-24		2024-25	
	Transmission Capacity in MW	Transmission Charges - Rs. Crores	Transmission Capacity in MW	Transmission Charges - Rs. Crores	Transmission Capacity in MW	Transmission Charges - Rs. Crores
BESCOM	14361	257.98	15891	276.86	16698.5	313.70
MESCOM	2210	39.70	2210	38.50	2210	41.52
CESC	3102	55.72	3357	58.49	3654.5	68.65
HESCOM	5657	101.62	5827	101.52	6422	120.65
GESCOM	3400	61.08	3570	62.20	3740	70.26
<b>TOTAL</b>	<b>28730</b>	<b>516.11</b>	<b>30855</b>	<b>537.56</b>	<b>32725</b>	<b>614.78</b>

**6.1 Commission's Analysis and Decision:**

The Commission in its preliminary observations, had observed that KPTCL, in its ARR filing for FY23 to FY25 has projected the Transmission capacity of each ESCOMs and total Transmission Capacity to recover the approved revenue from the ESCOMs as mentioned below:

Financial Year	Transmission Capacity
FY21	24438
FY22	27328
FY23	28730
FY24	30855
FY25	32725

KPTCL was directed to submit the details for the ESCOM-wise capacity to be added during each year, based on the capital programme envisaged.

KPTCL in its reply, has submitted the details for the ESCOM-wise transmission capacity to be added during each year as shown below:

Sl. No.	Name of ESCOM	FY 21-22	FY 22-23	FY 23-24	FY 24-25
1	BESCOM	2040	255	1530	807.5
2	MESCOM	0	255	0	0
3	CESC	255	85	255	297.5
4	HESCOM	425	467.5	170	595
5	GESCOM	170	340	170	170
<b>Total</b>		<b>2890</b>	<b>1402.5</b>	<b>2125</b>	<b>1870</b>

The Commission has taken note of the reply submitted by KPTCL.

The Commission also notes that the total projected transmission capacity of 28730 MW, 30855 MW and 32725 MW for FY23, FY24 and FY25 respectively is on a higher side, considering the actual transmission capacity added during the previous years. Accordingly, the Commission, considering the actual transmission capacity addition in the previous years and the KPTCL's proposals to undertake various capital works during the ensuing control period, has arrived at transmission capacity which is likely to be added during the sixth control period. Thus, the ESCOM-wise approved transmission capacity in MW for the control period FY23-25 is as follows:

**TABLE – 6.4**  
**Approved Transmission capacity in MW**

Particulars	Capacity Allocation in MW FY23	Capacity Allocation in MW FY24	Capacity Allocation in MW FY25
BESCOM	12673	13373	14123
MESCOM	1885	1935	1985
CESC	2750	2800	2850
HESCOM	4725	4875	5025
GESCOM	3020	3120	3220
<b>TOTAL (MW)</b>	<b>25053</b>	<b>26103</b>	<b>27203</b>

As per the approved ARR, as discussed in the preceding Chapter, the allocation of the Transmission charges, based on the ESCOM-wise Transmission capacity for the control period, is as follows:

TABLE – 6.5

## Approved Transmission Charges payable by ESCOMs for FY23

Particulars	Capacity Allocation in MW	Transmission charges for FY23 - Rs. Crores per annum	Transmission charges for FY23 - Rs. Crores per Month
BESCOM	12673	2576.672	214.72
MESCOM	1885	383.258	31.94
CESC	2750	559.129	46.59
HESCOM	4725	960.686	80.06
GESCOM	3020	614.026	51.17
<b>TOTAL (MW)</b>	<b>25053</b>	<b>5093.771</b>	<b>424.48</b>

TABLE – 6.6

## Approved Transmission Charges payable by ESCOMs for FY24

Particulars	Capacity Allocation in MW	Transmission charges for FY24 Rs. Crores per annum	Transmission charges for FY24 Rs. Crores per Month
BESCOM	13373	2774.577	231.21
MESCOM	1935	401.466	33.46
CESC	2800	580.933	48.41
HESCOM	4875	1011.446	84.29
GESCOM	3120	647.325	53.94
<b>TOTAL (MW)</b>	<b>26103</b>	<b>5415.747</b>	<b>451.31</b>

TABLE – 6.7

## Approved Transmission Charges payable by ESCOMs for FY25

Particulars	Capacity Allocation in MW	Transmission charges for FY25 Rs. Crores per annum	Transmission charges for FY25 Rs. Crores per Month
BESCOM	14123	3013.159	251.10
MESCOM	1985	423.502	35.29
CESC	2850	608.051	50.67
HESCOM	5025	1072.090	89.34
GESCOM	3220	686.991	57.25
<b>TOTAL (MW)</b>	<b>27203</b>	<b>5803.792</b>	<b>483.65</b>

The monthly Transmission charges payable for the control period FY23-25 are as follows:

**TABLE – 6.8****Approved monthly transmission charges/MW/Month for FY23-25**

Year	Transmission Charges
<b>FY23</b>	Rs. 169433 per MW/Month
<b>FY24</b>	Rs. 172897 per MW/Month
<b>FY25</b>	Rs. 177793 per MW/Month

The transmission tariff determined shall be applicable to all the ESCOMs and shall also apply to all long-term open access customers excluding Renewable energy sources based generators, who generate and supply electricity, within the State (Intra-State) and are not availing the REC benefit. Such renewable energy generators shall continue to pay charges as per the appropriate Orders of the Commission.

The charges determined above are applicable for use of the Transmission System only. In case the Open Access customers use the networks of ESCOMs in addition to the transmission system, the wheeling charges payable would be as determined by the Commission in the respective Tariff Orders of the ESCOMs.

## **6.2 Transmission Charges for Short Term Open Access (STOA) Customers for FY23-25**

KPTCL in their tariff filing has proposed the STOA charges in Rs./MWh basis as under:

**TABLE – 6.9**

**Proposed transmission charges payable by  
STOA customers in Rs./MWh**

Year	25% of Proposed ARR	Energy of IF Points in Mus	Transmission Charges in Rs./Mwh.
<b>FY23</b>	1326.21	69136.77	191.82
<b>FY24</b>	1529.82	71401.72	214.25
<b>FY25</b>	1761.49	73785.31	238.73

The Commission notes that, as per the prevailing Regulations the STOA charges are in Rs./MW and therefore, cannot consider the proposal of KPTCL. KPTCL may file suitable proposal separately for amendment of the MYT Regulation.

In accordance with the KERC (Terms and Conditions of Open Access) Regulations 2004 and the KERC (Terms and Conditions for Transmission Tariff) Regulations, 2006, the transmission charges for short term open access consumers for FY23, FY24 and FY25 are indicated as follows:

**TABLE – 6.10**  
**Approved transmission charges for Short Term**  
**Open Access consumers for FY23-25**

Duration of Open Access	Transmission Charges (Rs/MW) FY23	SLDC Charges Rs./MW/Day FY23	Transmission Charges (Rs/MW) FY24	SLDC Charges Rs./MW/Day FY24	Transmission Charges (Rs/MW) FY25	SLDC Charges Rs./MW/Day FY25
More than 12 hrs. & upto 24 hrs. in a day in one block	1392.60	36.07	1421.07	33.61	1461.31	34.87
More than 6 hrs. & upto 12 hrs. in a day in one block	696.30		710.53		730.65	
Upto 6 hrs. in a day in one block	348.15		355.27		365.33	

The Commission opines that, apart from the ESCOMs, the open access consumers, which includes Generators/Traders/Licensee who are using /intend to use the KPTCL transmission network, thereby availing the services of the SLDC should also bear the expenses incurred by the SLDC.

Based on the total transmission capacity for which the approval/ NOC is issued and the allowable SLDC expenses for FY23-25, the Commission decides to allow the SLDC to collect Rs.36.07 per MW per day, Rs.33.61 per MW per day and Rs.34.87 per MW per day for FY23, FY24 and FY25 respectively, for all the open access transactions including long term RE based wind and mini Hydel open access customers during the control period FY23-25. This is apart from the transmission charges payable to KPTCL, as applicable.

As determined above, the transmission charges of Rs.1,69,433 per MW per month, Rs.1,72,897 per MW per month and Rs.1,77,793 per MW per month shall be applicable for all long term open access consumers, respectively for FY23, FY24 and FY25.

**Commission's Order:**

- 1. In exercise of the powers conferred on the Commission under Sections 62 and 64 and other provisions of the Electricity Act, 2003, the Commission hereby approves the revised ARR as per Annual Performance Review for FY21 and determines and notifies the Annual Revenue Requirement and Transmission tariff of KPTCL for FY23-25 as approved in Chapter-6 of this Order**
- 2. The tariff determined in this order shall come into effect from 1<sup>st</sup> April, 2022.**
- 3. This Order is signed dated and issued by the Karnataka Electricity Regulatory Commission at Bengaluru, this day, the 4<sup>th</sup> of April, 2022.**

**Sd/-  
(H.M. Manjunatha)  
Officiating Chairman**

**Sd/-  
(M.D.Ravi)  
Member**