

CHAPTER – 6**TRANSMISSION TARIFF FOR FY20-22****6.0 KPTCL's Submission:**

KPTCL in its application dated 30th November, 2018 has furnished the ESCOM wise transmission capacity as follows:

Considering the proposed ARR for FY20-22 and gap in revenue for FY18, KPTCL has projected the transmission tariff for the control period as follows:

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

Capacity allocation amongst ESCOMs	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
BESCOM	12,227	13,417	15,287
MESCOM	1,615	1,785	1,870
CESC	2,422	2,762	3,527
HESCOM	4,340	4,425	5,148
GESCOM	3,060	3,230	3,485
TOTAL	23,664	25,619	29,317

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

Particulars	Amount in Rs. Crores		
	FY 20	FY 21	FY 22
Transmission Capacity in MW	23,664	25,619	29,317
Net ARR - (A)	4,175.82	4,848.07	5,454.56
Add: Gap of 2017-18 – (B)	417.82	-	-
Total Revenue Requirement (A+B)	4,593.64	4,848.07	5,454.56
Transmission Tariff (in Rs./MW/Month)	1,61,766	1,57,698	1,55,045

Based on the above transmission tariff, KPTCL in its filing has proposed the following transmission charges to be collected from the ESCOMs during the Fifth Control Period FY20-22.

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

Company	2019-20		2020-21		2021-22	
	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	12,227	197.79	13,417	211.58	15,287	237.02
MESCOM	1,615	26.13	1,785	28.15	1,870	28.99
CESC	2,422	39.18	2,762	43.56	3,527	54.68
HESCOM	4,340	70.21	4,425	69.78	5,148	79.82
GESCOM	3,060	49.50	3,230	50.94	3,485	54.03
TOTAL	23,664	382.80	25,619	404.01	29,317	454.55

6.1 Commission’s Analysis and Decision:

The KPTCL has entered into Transmission Agreements with the ESCOMs in the standard “Transmission Agreement” format approved by the Commission. The Commission in its preliminary observations had noted that as per the audited accounts of KPTCL for FY18, the installed Transmission capacity for FY18 is 19,763 MW, whereas, as per Format-A1, both under APR and ARR proposals, the installed Transmission capacity for FY18 is indicated as 20,570 MW. Hence, the KPTCL was directed to examine the anomaly and submit the correct figure in the revised Format- A1, in respect of APR for FY18 and ARR for FY20 to FY22.

KPTCL in its reply has stated that 19,763 MW is the actual capacity, and 20570 MW is the approved capacity, on the basis of which it is collecting the Transmission charges from ESCOMs.

The Commission has noted the reply furnished and that any variation in the transmission charges is being trued up, as per the Annual Performance Review of the relevant years.

The Commission notes that the projected transmission capacity of 23,664 MW, 25,619 MW and 29,317 MW for FY20, FY21 and FY22 respectively are abnormally on a higher side, considering the actual transmission capacity added during the previous years with a huge CAPEX. There is a wide gap between the approved transmission capacity and the actual achievement in the previous years. 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 considered a moderate transmission capacity addition. Thus, the ESCOM-wise approved transmission capacity in MW for the control period FY20-22 is as follows:

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

Particulars	Capacity Allocation in MW FY20	Capacity Allocation in MW FY21	Capacity Allocation in MW FY22
BESCOM	10,861	11,523	12,113
MESCOM	1,615	1,715	1,815
CESC	2,422	2,600	2,800
HESCOM	4,340	4,425	4,675
GESCOM	2,625	2,800	2,960
TOTAL (MW)	21,863	23,063	24,363

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 FY20**

Particulars	Capacity Allocation in MW	Transmission charges for FY20 -Rs. Crores per annum	Transmission charges for FY20 - Rs. Crores per Month
BESCOM	10,861	1,741.81	145.15
MESCOM	1,615	259.00	21.58
CESC	2,422	388.42	32.37
HESCOM	4,340	696.02	58.00
GESCOM	2,625	420.98	35.08
TOTAL (MW)	21,863	3,506.24	292.19

TABLE – 6.6**Approved Transmission Charges payable by ESCOMs for FY21**

Particulars	Capacity Allocation in MW	Transmission charges for FY21 Rs. Crores per annum	Transmission charges for FY21 Rs. Crores per Month
BESCOM	11,523	1,821.24	151.77
MESCOM	1,715	271.06	22.59
CESC	2,600	410.94	34.24
HESCOM	4,425	699.38	58.28
GESCOM	2,800	442.55	36.88
TOTAL (MW)	23,063	3,645.17	303.76

TABLE – 6.7**Approved Transmission Charges payable by ESCOMs for FY22**

Particulars	Capacity Allocation in MW	Transmission charges for FY22 Rs. Crores per annum	Transmission charges for FY22 Rs. Crores per Month
BESCOM	12,113	1,944.25	162.02
MESCOM	1,815	291.32	24.28
CESC	2800	449.43	37.45
HESCOM	4675	750.38	62.53
GESCOM	2960	475.11	39.59
TOTAL (MW)	24,363	3,910.48	325.87

The monthly Transmission charges payable for the control period FY20-22 are as follows:

TABLE – 6.8**Approved monthly transmission charges/MW/Month for FY20-22**

Year	Transmission Charges
FY20	Rs.1,33,644 / MW / Month
FY21	Rs.1,31,711 / MW / Month
FY22	Rs.1,33,758 / 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 FY 20-22

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 FY20, FY21 and FY22 are indicated as follows:

TABLE – 6.9
Approved transmission charges for Short Term
Open Access consumers for FY20-22

Duration of Open Access	Transmission Charges (Rs/MW) FY20	SLDC Charges Rs./MW/Day FY20	Transmission Charges (Rs/MW) FY21	SLDC Charges Rs./MW/Day FY21	Transmission Charges (Rs/MW) FY22	SLDC Charges Rs./MW/Day FY22
More than 12 hrs. & upto 24 hrs. in a day in one block	1,098.45	23.07	1,082.55	30.64	1,099.38	32.95
More than 6 hrs. & upto 12 hrs. in a day in one block	549.22		541.28		549.69	
Upto 6 hrs. in a day in one block	274.61		270.64		274.84	

The Commission notes that, apart from the ESCOMs, the open access consumers, which means and includes Generators/Traders/Licensee who apply and use the KPTCL transmission network, are also availing the services of the SLDC and hence they 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 FY20-22, the Commission decides to allow the SLDC to collect Rs.23.07 per MW per day, Rs.30.64 per MW per day and Rs.32.95 per MW per day for FY20, FY21 and FY22 respectively, for all open access transactions including long term RE based wind and mini Hydel open access customers during the control period FY20-22. This is apart from the transmission charges payable to KPTCL, as applicable. The KPTCL and SLDC are also directed to account this income separately and report to the Commission while submitting its proposal for APR of FY20.

As determined above, the transmission charges of Rs.1,33,644 per MW per month, Rs.1,31,711 per MW per month and Rs.1,33,758 per MW per month shall be applicable for all long term open access consumers, respectively for FY20, FY21 and FY22.

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 FY18 and determines and notifies the Annual Revenue Requirement and Transmission tariff of KPTCL for FY 20-22 as approved in Chapter-6 of this Order**
- 2. The tariff determined in this order shall come into effect from 1st April, 2019.**
- 3. This Order is signed dated and issued by the Karnataka Electricity Regulatory Commission at Bengaluru, this day, the 30th May,2019.**

Sd/-

(Shambhu Dayal Meena)
Chairman

Sd/-

(H.M. Manjunatha)
Member

Sd/-

(M.D.Ravi)
Member