

## CHAPTER - 7

### DETERMINATION OF TARIFF FOR FY-21

#### **1. LT-1 - Bhagya Jyothi:**

The existing tariff and the tariff proposed are shown below:

Sl. No	Details	Existing (Rs./Unit)	Proposed (Rs./Unit)
1	Energy charges (including recovery towards service main charges)	7.37	8.99

Subject to a monthly minimum of Rs. 45 per installation per month.

#### **2. LT-2 (a) - Domestic Consumers:**

**LT-2 (a) (i):** Applicable to Areas coming under Bruhat Bangalore Mahanagara Palike (BBMP), Municipal Corporation and all Urban Local Bodies.

Details	Particulars	Existing Tariff (Rs./unit)	Particulars	Proposed (Rs/unit)
Fixed Charges per Month	For the first KW	Rs.60	For the first KW	85
	For every additional KW	Rs.70	For every additional KW	95
Energy Charges	For the first 30 units	3.75	For the first 50 units	3.75
	31 to 100 units	5.20	1-100 all units (>51<= 100)	5.20
	101 to 200 units	6.75	1-200 all units (>100<= 200)	7.75
	Above 200 units	7.80	>200	8.80

**LT-2(a) (ii):** Applicable to Areas under Village Panchayats.

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed Charges per Month	For the first KW	Rs.45	70
	For every additional KW	Rs.60	85
Energy Charges	For the first 30 units	3.65	3.65
	31 to 100 units:	4.90	4.90
	101 to 200 units	6.45	6.45
	Above 200 units	7.30	8.30

### **3. LT-2(b) - Private Professional Educational Institutions, Nursing Homes and Private Hospitals etc.:**

**LT 2 (b) (i):** Applicable in BBMP Areas, Davanagere city Corporation and all areas coming under Urban Local Bodies.

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed Charges per Month		Rs.75 Per KW subject to a minimum of Rs.100 PM	Rs.100 Per KW subject to a minimum of Rs.125 PM
Energy Charges	0-200 units:	6.95	7.95
	Above 200 units:	8.20	9.20

**LT 2 (b) (ii):** Applicable in Areas under Village Panchayats.

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed Charges per Month		Rs.65 Per KW subject to a minimum of Rs.85 PM	Rs.90 Per KW subject to a minimum of Rs.110 PM
Energy Charges	0-200 units:	6.40	7.4
	Above 200 units:	7.65	8.65

#### 4. **LT3- Commercial:**

The existing and proposed tariff is as follows:

**LT- 3 (i):** Applicable to areas under BBMP, Municipal Corporations and all areas under Urban Local bodies.

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed charges per Month		Rs. 80 per KW	Rs. 105 per KW
Energy Charges	For the first 50 units:	8.00	9.00
	For the balance units:	9.00	10.00

**Demand based tariff (Optional)** where sanctioned load is above 5 KW but below 50 KW.

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed charges per Month		Rs. 95 per KW	Rs. 120 per KW
Energy Charges	For the first 50 units:	8.00	9.00
	For the balance units:	9.00	10.00

**LT-3 (ii):** Applicable to areas under Village Panchayats.

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed charges per Month		Rs. 70 per KW	Rs. 95 per KW
Energy Charges	For the first 50 units:	7.50	8.50
	For the balance units:	8.50	9.50

**Demand based tariff (Optional)** where sanctioned load is above 5 KW but below 50 KW.

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed charges per Month		Rs. 85 per KW	Rs. 110 per KW
Energy Charges	For the first 50 units:	7.50	8.50
	For the balance units:	8.50	9.50

## 5. LT 4 - Irrigation pump sets:

**LT-4(a)** Applicable to I.P. Sets Up to and inclusive of 10 HP.

**Existing:**

Particulars	(Rs./Unit)
Fixed charges	Free
Energy charges	
Commission Determined Tariff (CDT) for LT4 (a) category is	3.90

**Revised:**

Particulars	(Rs/Unit)
Fixed charges	Free
Energy charges	
Commission Determined Tariff (CDT) for LT4 (a) category is	6.90

**LT-4 (b):** Applicable to IP sets above 10 HP.

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed charges per Month	Rs. 70 per HP per month.		
Energy charges		3.50	3.50

**LT-4 (c) (i):** Applicable to Horticultural Nurseries, Coffee and Tea plantations up to & inclusive 10 HP.

Details	Particulars	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.60 per HP per month		
Energy charges		3.50	3.50

**LT-4 (c) (ii):** Applicable to Horticultural Nurseries, Coffee and Tea Plantations above 10 HP.

Details	Particulars	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.70 per HP per month		
Energy charges		3.50	3.50

## 6. LT5 - LT Industries:

**LT 5 (a):** Applicable to BBMP & Municipal Corporation.

### i) **Fixed Charges:**

#### **Existing**

Details	Particulars
Fixed Charges per Month	i) Rs. 55 per HP for 5 HP & below
	ii) Rs. 60 per HP for above 5 HP & below 40 HP
	iii) Rs. 80 per HP for 40 HP & above but below 67 HP
	iv) Rs. 140 per HP for 67 HP & above

#### **Proposed**

Details	Particulars
Fixed Charges per Month	i) Rs. 80 per HP for 5 HP & below
	ii) Rs. 85 per HP for above 5 HP & below 40 HP
	iii) Rs. 105 per HP for 40 HP & above but below 67 HP
	iv) Rs. 165 per HP for 67 HP & above

### ii) **Demand based Tariff (optional):**

#### **Existing**

<b>Demand Based Tariff</b>	Above 5 HP and less than 40 HP	Rs. 80 per KW of billing demand
	40 HP and above but less than 67 HP	Rs. 110 per KW of billing demand
	67 HP and above	Rs. 190 per KW of billing demand

## Proposed

<b>Demand Based Tariff</b>	Above 5 HP and less than 40 HP	Rs. 105 per KW of billing demand
	40 HP and above but less than 67 HP	Rs. 135 per KW of billing demand
	67 HP and above	Rs. 215 per KW of billing demand

### iii) Energy Charges:

Particulars	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
For the first 500 units	5.65	6.65
Above 500 units	6.95	7.95

**Tariff for LT 5 (b):** Applicable to all other areas other than BBMP & Davangere corporation area.

### i) Fixed Charges:

#### Existing

Details	Particulars
Fixed Charges per Month	i) Rs. 45 per HP for 5 HP & below.
	ii) Rs. 55 per HP for above 5 HP & below 40 HP.
	iii) Rs. 75 per HP for 40 HP & above but below 67 HP
	iv) Rs. 125 per HP for 67 HP & above.

### Proposed

Details	Particulars
Fixed Charges per Month	i) Rs. 70 per HP for 5 HP & below. ii) Rs. 80 per HP for above 5 HP & below 40 HP. iii) Rs. 100 per HP for 40 HP & above but below 67 HP. iv) Rs. 150 per HP for 67 HP & above.

### ii) Demand based Tariff (optional):

#### Existing

Details	Description	Approved Tariff
Demand Based Tariff	Above 5 HP and less than 40 HP	Rs. 70 per KW of billing demand
	40 HP and above but less than 67 HP	Rs. 100 per KW of billing demand
	67 HP and above	Rs. 180 per KW of billing demand

#### Proposed

Details	Description	Approved Tariff
Demand Based Tariff	Above 5 HP and less than 40 HP	Rs. 95 per KW of billing demand
	40 HP and above but less than 67 HP	Rs. 125 per KW of billing demand
	67 HP and above	Rs. 205 per KW of billing demand



**iii) Energy Charges:**

Particulars	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
For the first 500 units	5.35	6.35
For the next 500 units	6.30	7.30
For the balance units	6.60	7.60

**TOD Tariff (Optional):**

Time of Day	Increase (+)/ reduction (-) in energy charges over the normal tariff applicable
06.00 Hrs to 10.00 hrs	(+) 100 paise per unit
10.00 Hrs to 18.00 hrs	0
18.00 Hrs to 22.00 Hrs	(+) 100 paise per unit
22.00 Hrs to 06.00 Hrs next day	(-) 100 paise per unit

**7. LT6 Water Supply Installations and Street Lights:**

**LT-6 (a):** Water supply.

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.75/HP/month	Rs.100/HP/month
Energy charges	4.60	5.35

**LT-6 (b):** Public Lighting.

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.90/KW/month	Rs.115/KW/month
Energy charges	6.30	7.05

**LT-6 (b): Public Lighting-LED**

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.90/KW/month	Rs.115/KW/month
Energy charges	5.30	6.05

**LT-6(c): Electric vehicle charging stations**

**HT**

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.190/KW/month	Rs.215/KW/month
Energy charges	5.00	5.75

**LT**

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.60/KW/month	Rs.85/KW/month
Energy charges	5.00	5.75

**8. LT 7- Temporary Installations:**

**LT-7 (a):**

**Existing:**

Details	Approved Tariff
Less than 67 HP:	Energy charge at <b>1060 paise/unit</b> subject to a weekly minimum of <b>Rs.210 per KW</b> of the sanctioned load.

**Proposed:**

Details	Approved Tariff
Less than 67 HP:	Energy charge at <b>1110 paise unit</b> subject to a weekly minimum of <b>Rs. 260 per KW</b> of the sanctioned load.

**LT-7 (b): Advertisement – Permanent**

**Existing:**

Details	Approved Tariff
Less than 67 HP:	Energy charge at <b>1060 paise/unit</b> subject to a weekly minimum of <b>Rs.85 per KW</b> of the sanctioned load.

**Proposed:**

Details	Approved Tariff
Less than 67 HP:	Energy charge at <b>1110 paise/unit</b> subject to a weekly minimum of <b>Rs. 110 per KW</b> of the sanctioned load.

**9. HT-1 Water Supply & Sewerage:**

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 210 / kVA of billing demand / month	Rs. 360 / kVA of billing demand / month
Energy charges	5.20	5.7

**TOD Tariff (Optional):**

<b>Time of Day</b>	<b>Increase (+)/ reduction (-) in energy charges over the normal tariff applicable</b>
06.00 Hrs to 10.00 hrs	(+) 100 paise per unit
10.00 Hrs to 18.00 hrs	0
18.00 Hrs to 22.00 Hrs	(+) 100 paise per unit
22.00 Hrs to 06.00 Hrs next day	(-) 100 paise per unit

**10. HT2 (a) & (b) Installations:**

**Tariff for HT – 2 (a) (i):** Applicable to BBMP area and Davangere City Municipal Corporation.

<b>Details</b>	<b>Existing Tariff (Rs./unit)</b>	<b>Proposed (Rs./unit)</b>
Demand charges	Rs. 220 / kVA of billing demand / month	Rs. 370 / kVA of billing demand / month
Energy charges		
For the first one lakh units	7.10	7.60
For the balance units	7.40	7.90

**Tariff for HT – 2 (a) (ii):** Applicable to other areas.

<b>Details</b>	<b>Existing Tariff (Rs./unit)</b>	<b>Proposed (Rs./unit)</b>
Demand charges	Rs. 210/ kVA of billing demand /month	Rs. 360/ kVA of billing demand /month
Energy charges		
For the first one lakh units	7.00	7.50
For the balance units	7.20	7.70

**Railway Traction applicable to both HT2a (i) & HT2 a (ii):**

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 220 / KVA of billing demand/ month	Rs. 320 / KVA of billing demand/ month
Energy charges for all the units	6.20	6.70

**Effluent Treatment Plants applicable to both HT2a (i) & HT2 a (ii):**

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 220/ KVA of billing demand/ month	Rs. 320/ KVA of billing demand/ month
Energy charges for all the units	6.60	7.10

**BMRCL Tariff:**

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 220/KVA of billing demand/month	Rs. 320/KVA of billing demand/month
Energy charges for all the units	5.20	5.70

## 11. HT-2 (b) HT Commercial:

**HT – 2 (b) (i):** Applicable to BBMP area & Davangere City Municipal Corporation.

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 240 / kVA of billing demand / month	Rs. 390/ kVA of billing demand / month
Energy charges		
(i) For the first two lakh units	8.90	9.40
(ii) For the balance units	9.00	9.50

**HT – 2 (b) (ii):** Applicable to all areas other than covered under HT-2(b) (i) above.

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 230 / kVA of billing demand/month	Rs. 380 / kVA of billing demand/month
Energy charges		
(i) For the first two lakh units	8.70	9.2
(ii) For the balance units	8.80	9.3

## 12. HT-2 (c) HT Hospitals and Educational Institutions:

**HT – 2 (c) (i):** Applicable to Government Hospitals and Educational Institutions.

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 210 / kVA of billing demand/month	Rs. 360 / kVA of billing demand/month
Energy charges		
(i) For the first two lakh units	6.85	7.35
(ii) For the balance units	7.25	7.75

**HT – 2 (c) (ii):** Applicable to Hospitals and Educational Institutions and Hostels of educational institutions other than those covered under HT-2(c)(i) above.

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 210 / kVA of billing demand / month	Rs. 210 / kVA of billing demand / month
Energy charges		
(i) For the first two lakh units	7.85	8.35
(ii) For the balance units	8.25	8.75

**TOD Tariff applicable to HT2 (a), HT2 (b) and HT2(c) category:**

Time of Day	Increase (+)/ reduction (-) in energy charges over the normal tariff applicable
06.00 Hrs to 10.00 hrs	(+) 100 paise per unit
10.00 Hrs to 18.00 hrs	0
18.00 Hrs to 22.00 Hrs	(+) 100 paise per unit
22.00 Hrs to 06.00 Hrs next day	(-) 100 paise per unit

**13. HT-3(a) Lift Irrigation Schemes under Government Departments / Government owned Corporations/ Lift Irrigation Schemes under Pvt /Societies:**

**HT-3(a)(i):** Applicable to LI schemes under Govt. Dept. / Govt. owned Corporations

**Existing:**

Energy charges / Minimum charges	<b>275 paise/ unit</b> subject to an annual minimum of <b>Rs. 1480 per HP / annum.</b>
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**Revised:**

Energy charges/ Minimum charges	275 paise/ <b>unit</b> subject to an annual minimum of <b>Rs. 1480 per HP / annum.</b>
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**HT 3 (a) (ii):** Applicable to Pvt. LI Schemes and Lift Irrigation Societies fed through express/ urban feeders.

Details	Particulars	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges	Rs. 70 / HP / Month of sanctioned load		
Energy charges		2.75	2.75

**HT 3 (a)(iii):** Applicable to Pvt. LI Schemes and Lift Irrigation Societies other than those covered under HT-3(a) (ii).

Details	Particulars	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges	Rs. 50 / HP / Month of sanctioned load		
Energy charges		2.75	2.75

**HT3 (b):** Irrigation & Agricultural Farms Government Horticulture farms, Private Horticulture Nurseries, Coffee, tea, Coconut & Arecanut Plantations:

**Existing:**

Details	Tariff
Energy charges /minimum charges	<b>475 paise/ unit</b> subject to an annual minimum of <b>Rs. 1480 per HP</b> /annum.



**Revised:**

Details	Tariff
Energy charges/ minimum charges	<b>475 paise/ unit</b> subject to an annual minimum of Rs. <b>1480per HP / annum.</b>

#### **14. HT 4- Residential Apartments/ Colonies:**

**HT - 4:** Applicable to all areas.

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 130 / kVA of billing demand	Rs. 230 / kVA of billing demand
Energy charges	6.70	7.20

#### **15. HT5- Temporary Supply:**

**Existing:**

<b>67 HP and above</b>	
Fixed charges	Rs.260/HP/month for the entire sanctioned load/contract demand.
Energy Charges	1060 paise/ unit.

**Proposed:**

<b>67 HP and above</b>	
Fixed charges	Rs.410/HP/month for the entire sanctioned load/contract demand
Energy Charges	1118 paise/ unit

#### **HT5(a)- Temporary Supply:**

**Existing:**

67 HP and above	
Fixed charges	Not Applicable
Energy Charges	1160 paise/ unit.

**Proposed:**

67 HP and above	
Fixed charges	Not applicable
Energy Charges	1218 paise/ unit

## **Other Issues:**

### **Rationale of Tariff hike:**

BESCOM has proposed a revision in fixed and energy charges for various categories in order to bridge the revenue gap. Such tariff revision is minimum requirement for BESCOM to meet the inflation as well as the additional costs that have arisen due to increase in power purchase costs; Renewable Purchase Obligation (RPO) as per new RPO Regulations 2018, change in consumer mix and its impact on revenue, increase in PoC cost, reduction in revenue etc. The tariff revision is necessary for its survival and it is purely to meet the revenue gap emerged due to increase in cost on account of inflation as well as additional costs which are beyond the control of BESCOM.

### **I. Wheeling Charges**

Considering the Network and supply cost segregation and the methodology adopted by Hon'ble Commission in its previous Orders, BESCOM has proposed the wheeling charges and wheeling losses at HT and LT level for FY-21 applicable to all open access/wheeling transactions and also to RE source as summarized in following table:

Distribution ARR-Rs. Crs.	2224.49
Sales-MU	29938.62
Wheeling charges-ps./unit	74.30
	Paise/unit
HT-network	22.29
LT-network	52.01

The allocation of the distribution network costs to HT and LT networks for determining wheeling charges is done in the ratio of 30:70, as was being done earlier. The following technical losses are applicable to all open access/wheeling transactions:

<b>Loss allocation</b>	<b>% loss</b>
HT	3.52
LT	7.48

## II. Cross Subsidy Surcharge:

The Cross Subsidy Surcharge (CSS) is compensatory charge to the ESCOMs. As held by APTEL, New Delhi, CSS is not only to compensate the ESCOMs for the loss of cross subsidy, it is also to compensate the remaining consumers of the ESCOM who have not taken Open Access. Therefore, CSS needs to be based on the current level of cross subsidy.

To examine the issues related to Open Access along with issues relating to amendments in provisions relating to captive Generating plants in the Electricity Rules, 2005, a Committee was constituted by CEA on the advice of Ministry of Power. In the Consultation paper by MoP issued on 24th August 2017, which is based on the report of the said Committee, it has been proposed that:

*“It is essential for SERCs to implement both Para 8.3 -2 and First proviso to para 8.5.1 of the Tariff Policy 2016 simultaneously. If one of the provisions could not be implemented due to some reason, the second provision should also not be implanted to that extent.”*

Accordingly, BESCOM has proposed CSS based on the formula in Tariff Policy 2016. The proposed CSS for HT category consumers has been provided in the following table:

Particulars	HT1	HT 2a(i)	HT 2a(ii)	HT 2b(i)	HT- 2b(ii)	HT 2c(i)	HT 2c(ii)	HT 3a(i)	HT 3a(ii)	HT 3b	HT 4	HT 5
Avg. Realisation Rate- Ps./unit@existing rate	609	1031	916	1295	1078	855	1032	404	339	543	824	1367
Proposed tariff hike- Ps./unit	114	254	196	299	181	151	209	0	0	0	168	236
Avg. Realisation Rate- Ps./unit	722	1285	1112	1594	1259	1006	1241	404	339	543	992	1604
Cost of supply @66kV and above level	736	736	736	736	736	736	736	736	736	736	736	736
Cross subsidy surcharge- ps/unit @66kV and above level	-13	550	377	858	523	270	505	-331	-397	-192	257	868
20% tariff applicable to the category of the consumers	144	257	222	319	252	201	248	81	68	109	198	321
Cross subsidy surcharge limited to 20% of the tariff applicable	-13	257	222	319	252	201	248	-331	-397	-192	198	321
Cost of supply @HT level	781	0	0	0	0	0	0	0	0	0	0	0
Cross subsidy surcharge- ps/unit @HT level	-58	1285	1112	1594	1259	1006	1241	404	339	543	992	1604
20% tariff applicable to the category of the consumers	144	257	222	319	252	201	248	81	68	109	198	321
Cross subsidy surcharge limited to 20% of the tariff applicable	-58	257	222	319	252	201	248	81	68	109	198	321

Cross subsidy surcharge is proposed as under:

Voltage level	HT 1	HT 2a(i)	HT 2a(ii)	HT 2b(i)	HT 2b(ii)	HT 2c(i)	HT 2c(ii)	HT 3a(i)	HT 3a(ii)	HT 3b	HT 4	HT 5
66kV & above	0	257	222	319	252	201	248	0	0	0	198	321
HT level- 11 kV/ 33kV	0	257	222	319	252	201	248	81	68	109	198	321

### III. Additional Surcharge

BESCOM has tied up sufficient quantum of power, after approval of the Hon'ble Commission, by considering the overall growth. However, on the other hand, a large number of consumers are buying power under Open Access instead of availing supply from BESCOM. As a result, the generation capacity tied up by BESCOM remains idle.

In this situation, BESCOM needs to back down the generation and also required to pay Fixed Charges (or Capacity Charges) to the Generators irrespective of actual purchase. Thus, the need for recovery of the part of fixed cost towards the stranded capacity arising from the power purchase obligation through levy of Additional Surcharge from OA consumers is computed.

In line with the methodology adopted by Hon'ble Commission in the KERC Order dated 30th May 2019, BESCOM computed the Additional Surcharge. The Additional Surcharge that could be recovered as per the ARR of BESCOM for FY21 is Rs. 1.96/unit. The details are shown in the table below:

Particulars	Unit	110kV & 66 kV	11 kV	LT	Total
Energy Sales as per flow diagram	MU	924.50	6867.29	22146.83	29938.62
Distribution Losses	MU	0.00	464.48	3618.06	4082.54
Net IF energy	MU	924.50	7331.77	25764.89	34021.16
Transmission Loss	%	3.13%	3.13%	3.13%	
Net Energy at Gen	MU	954.37	7568.67	26597.39	35120.43
Dist of Energy input	%	2.7%	21.6%	75.7%	100.0%
PP Cost	Rs.in Cr.	22073.94			22073.94
Dist of PP Cost	Rs.in Cr.	599.84	4757.07	16717.03	22073.94
Dist of energy sales	%	3.1%	22.9%	74.0%	100.0%
Other Cost (Transmission & Dist. Network)	Rs.in Cr.	7067.12			7067.12
Dist. Of other cost	Rs.in Cr.	149.62	1110.79	3581.73	4842.14
Total Cost	Rs.in Cr.	749.46	5867.86	20298.76	26916.08
Voltage wise per unit Cost	Rs./unit	<b>8.11</b>	<b>8.54</b>	<b>9.17</b>	<b>8.99</b>

Particulars	Unit	110kV & 66 kV	11 kV	LT	Total
PP Cost	Rs.in Cr.				22073.94
Dist. Of PP Cost	Rs.in Cr.	599.84	4757.07	16717.03	22073.94
% share		2.72%	21.55%	75.73%	
Total Fixed Charges PP	Rs.in Cr.				7946.62
Voltage wise Fixed Charge	Rs.in Cr.	215.94	1712.55	6018.13	7946.62
Total Variable Charges	Rs.in Cr.				14127.32
Voltage wise VC	Rs.in Cr.	384	3044.52	10698.90	14127.32
other Cost	Rs.in Cr.	192	1523	5352	7067.12
Total Fixed Expenditure (FC+ Other Cost)	Rs.in Cr.	407.99	3235.55	11370.20	15013.74

	11 kV and above consumers (HT)	LT consumers
FC	2118.29	2785.04
EC	5862.64	11420.95
<b>Total</b>	<b>7980.93</b>	<b>14206.00</b>
FC %	27%	20%
EC%	73%	80%

- Proposed fixed charges from HT consumers (D21)= Rs.2118.29 Crores.
- Total Fixed Charges to be collected = Rs.3643.54 Crores.
- Estimated Under recovery from Fixed Charges = Rs.1525.25 Crores.
- Additional Surcharge = Rs.1.96( 196 Paisa/unit)

The Additional Surcharge that could be recovered as per the ARR of BESCOM for FY19 is Rs. 1.04/unit. The details are shown in the table below:

Particulars	Unit	110kV & 66 kV	11 kV	LT	Total
Energy Sales as per flow diagram	MU	924.50	7286.06	19551.91	27762.47
Distribution Losses	MU	0.00	518.50	3461.38	3979.88
Net IF energy	MU	924.50	7804.56	23013.29	31742.35
Transmission Loss	%	3.70%	3.70%	3.70%	
Net Energy at Gen	MU	958.74	8104.42	23897.50	32960.66
Dist of Energy input	%	3.70%	24.59%	72.50%	100.8%
PP Cost	Rs.in Cr.	18714.60			18714.60
Dist of PP Cost	Rs.in Cr.	544.59	4601.92	13568.09	18714.60
Dist of energy sales	%	3.3%	26.2%	70.4%	100.0%
Other Cost (Transmission & Dist. Network)	Rs.in Cr.	3049.13			3049.13
Dist. Of other cost	Rs.in Cr.	101.54	800.09	2147.50	3049.13
Total Cost	Rs.in Cr.	646.13	5402.01	15715.59	21763.73
Voltage wise per unit Cost	Rs./unit	<b>6.99</b>	<b>7.41</b>	<b>8.04</b>	<b>7.84</b>

Particulars	Unit	110kV & 66 kV	11 kV	LT	Total
PP Cost	Rs.in Cr.				18714.60
Dist. Of PP Cost	Rs.in Cr.	544.59	4601.92	13568.09	18714.60
% share		2.91%	24.59%	72.50%	
Total Fixed Charges PP	Rs.in Cr.				4678.65
Voltage wise Fixed Charge	Rs.in Cr.	136.15	1150.48	3392.02	4678.65
Total Variable Charges	Rs.in Cr.				14035.95
Voltage wise VC	Rs.in Cr.	408	3451.44	10176.07	14035.95
other Cost	Rs.in Cr.	89	750	2211	3049.13
Total Fixed Expenditure (FC+ Other Cost)	Rs.in Cr.	224.88	1900.26	5602.65	7727.78

	11 kV and above consumers (HT)	LT consumers
FC	1268.06	1466.82
EC	6051.93	9835.89
<b>Total</b>	<b>7319.99</b>	<b>11302.71</b>
FC %	17%	13%
Ec%	83%	87%



Proposed fixed charges from HT consumers (D21) =Rs 1268.06 Crores

Total Fixed Charges to be collected Crores =Rs 2125.14 Crores

Estimated Under recovery from Fixed Charges =Rs 857.08 Crores

Additional Surcharge =1.04( 104 Paisa/unit)

#### IV. Voltage wise Cost of Supply

In the absence of actual data on voltage wise cost, the bifurcation of the cost has been done on the basis of assumption in line with the KERC methodology (D23 statement). The standalone Voltage Wise Cost of Supply for FY-21 is as shown in following table.

Voltage Level	Cost of Supply
EHV (66 kV & above)	8.85
HT Level (22&/or 11 kV)	9.29
LT Level	9.91
<b>Total</b>	<b>9.73</b>