

CHAPTER – 8

DETERMINATION OF TARIFF FOR FY-20

1. LT-1 - Bhagya Jyothi:

The existing tariff and the tariff proposed are shown below:

Table 8.1

Sl. No	Details	Existing (Rs./Unit)	Proposed (Rs./Unit)
1	Energy charges (including recovery towards service main charges)	6.80	8.19

Subject to a monthly minimum of Rs. 50 per installation per month.

2. LT2 (a) - Domestic Consumers:

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

Table 8.2

Details	Particulars	Existing Tariff (Rs./unit)	Particulars	Proposed (Rs/unit)
Fixed Charges per Month	For the first KW	50	For the first KW	60
	For every additional KW	60	For every additional KW	70
Energy Charges	For the first 30 units	3.50	For the first 50 units	3.90
	31 to 100 units	4.95	1-100 all units (>51<=100 units)	4.95
	101 to 200 units	6.50	1-200 all units (>100<=200 units)	6.00
	201 to 300 units	7.55	>200(all units)	7.00
	301 to 400 units	7.60		
	Above 400 units	7.65		

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

Table 8.3

Details	Particulars	Existing Tariff (Rs/unit)	Particulars	Proposed (Rs/unit)
Fixed Charges per Month	For the first KW	35	For the first KW	45
	For every additional KW	50	For every additional KW	60
Energy Charges	For the first 30 units	3.40	For the first 50 units	3.7
	31 to 100 units	4.65	51 to 100 units	4.75
	101 to 200 units	6.20	101 to 200 units	6.20
	201 to 300 units	7.05	Above 200 units	7.15
	Above 300 units	7.10		

3. LT2 (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.

Table 8.4

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed Charges per Month		Rs.65 Per KW subject to a minimum of Rs.90 per month	Rs.85 Per KW subject to a minimum of Rs.140 per month
Energy Charges	0-200 units:	6.75	7.00
	Above 200 units:	8.00	8.50

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

Table 8.5

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed Charges per Month		Rs.55 Per KW subject to a minimum of Rs.75 per month	Rs.65 Per KW subject to a minimum of Rs.95 per month
Energy Charges	0-200 units:	6.20	6.50
	Above 200 units:	7.45	7.55

4. LT 3- 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.

Table 8.6

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed charges per Month		Rs. 70 per KW	Rs. 90 per KW
Energy Charges	For the first 50 units:	7.75	8.00
	For the balance units:	8.75	9.00

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

Table 8.7

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed charges per Month		Rs. 85 per KW	Rs. 105 per KW
Energy Charges	For the first 50 units:	7.75	8.00
	For the balance units:	8.75	9.00

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

Table 8.8

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed charges per Month		Rs. 60 per KW	Rs. 80 per KW
Energy Charges	For the first 50 units:	7.25	7.50
	For the balance units:	8.25	8.45

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

Table 8.9

Details	Particulars	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed charges per Month		Rs. 75 per KW	Rs. 95 per KW
Energy Charges	For the first 50 units:	7.25	7.50
	For the balance units:	8.25	8.45

5. LT 4 - Irrigation pump sets:

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

Existing:

Table 8.10

Particulars	(Rs./Unit)
Fixed charges	Free
Energy charges	
Commission Determined Tariff (CDT) for LT4 (a) category is	3.70

Revised:

Table 8.11

Particulars	(P/Unit)
Fixed charges	Free
Energy charges	
Commission Determined Tariff (CDT) for LT4 (a) category is	5.45

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

Table 8.12

Details	Existing Tariff (Rs/unit)	Proposed (Rs/unit)
Fixed charges per Month	Rs. 60 per HP per month	Rs. 80 per HP per month.
Energy charges	3.25	3.25

LT4 (c) (i): Applicable to Horticultural Nurseries, Coffee and Tea plantations up to & inclusive 10 HP.

Table 8.13

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.50 per HP per month	Rs.70 per HP per month
Energy charges	3.25	3.25

LT4 (c) (ii): Applicable to Horticultural Nurseries, Coffee and Tea Plantations above 10 HP.

Table 8.14

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.60 per HP per month	Rs.80 per HP per month
Energy charges	3.25	3.25

6. LT5 - LT Industries:

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

i) **Fixed Charges:**

Table 8.15

Existing

Details	Particulars
Fixed Charges per Month	i) Rs. 45 per HP for 5 HP & below ii) Rs. 50 per HP for above 5 HP & below 40 HP iii) Rs. 70 per HP for 40 HP & above but below 67 HP iv) Rs. 130 per HP for 67 HP & above

Proposed

Details	Particulars
Fixed Charges per Month	i) Rs. 70 per HP for 5 HP & below ii) Rs. 75 per HP for above 5 HP & below 40 HP iii) Rs. 100 per HP for 40 HP & above but below 67 HP iv) Rs. 160 per HP for 67 HP & above

ii) Demand based Tariff (optional):
Table 8.16
Existing

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

Demand Based Tariff	Above 5 HP and less than 40 HP	Rs. 90 per KW of billing demand
	40 HP and above but less than 67 HP	Rs. 120 per KW of billing demand
	67 HP and above	Rs. 200 per KW of billing demand

iii) Energy Charges:
Table 8.17

Particulars	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
For the first 500 units	5.50	5.50
Above 500 units	6.75	6.75

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

i) Fixed Charges:

Table 8.18

Existing:

Details	Particulars
Fixed Charges per Month	i) Rs. 40 per HP for 5 HP & below. ii) Rs. 45 per HP for above 5 HP & below 40 HP. iii) Rs. 65 per HP for 40 HP & above but below 67 HP. iv)Rs. 120 per HP for 67 HP & above.

Proposed:

Details	Particulars
Fixed Charges per Month	i) Rs. 50 per HP for 5 HP & below. ii) Rs. 60 per HP for above 5 HP & below 40 HP. iii) Rs. 70 per HP for 40 HP & above but below 67 HP. iv)Rs. 125 per HP for 67 HP & above.

ii) Demand based Tariff (optional):

Table 8.19

Existing:

Details	Description	Approved Tariff
Demand Based Tariff	Above 5 HP and less than 40 HP	Rs. 60 per KW of billing demand
	40 HP and above but less than 67 HP	Rs. 90 per KW of billing demand
	67 HP and above	Rs. 170 per KW of billing demand

Proposed:

Details	Description	Approved Tariff
Demand Based Tariff	Above 5 HP and less than 40 HP	Rs. 65 per KW of billing demand
	40 HP and above but less than 67 HP	Rs. 95 per KW of billing demand
	67 HP and above	Rs. 175 per KW of billing demand

iii) Energy Charges:

Table 8.20

Particulars	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
For the first 500 units	5.20	5.20
For the next 500 units	6.10	6.10
For the balance units	6.40	6.40

TOD Tariff (Optional):

Table 8.21

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. LT 6 Water Supply Installations and Street Lights:

LT-6 (a): Water supply.

Table 8.22

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.65/HP/month	Rs.80/HP/month
Energy charges	4.40	4.50

LT-6 (b): Public Lighting.

Table 8.23

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.80/KW/month	Rs.90/KW/month
Energy charges	6.10	6.20

LT-6 (b): Public Lighting-LED

Table 8.24

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.80/KW/month	Rs.90/KW/month
Energy charges	5.10	5.20

LT-6(c): Electric vehicle charging stations

HT

Table 8.25

Details	Particulars	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.180/KW/month		
Energy charges		4.85	5.00

LT

Table 8.26

Details	Particulars	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.50/KW/month		
Energy charges		4.85	5.00

8. LT 7- Temporary Installations:

LT-7 (a):

Existing:

Table 8.27

Details	Approved Tariff
Less than 67 HP:	Energy charge at 1030 paise/unit subject to a weekly minimum of Rs.200 per KW of the sanctioned load.

Proposed:

Table 8.28

Details	Approved Tariff
Less than 67 HP:	Energy charge at 1100 paise unit subject to a weekly minimum of Rs. 250 per KW of the sanctioned load.

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

Existing:

Table 8.29

Details	Approved Tariff
Less than 67 HP:	Energy charge at 1030 paise/unit subject to a weekly minimum of Rs.75 per KW of the sanctioned load.

Proposed:

Table 8.30

Details	Approved Tariff
Less than 67 HP:	Energy charge at 1030 paise/unit subject to a weekly minimum of Rs. 100 per KW of the sanctioned load.

9. HT-1 Water Supply & Sewerage:

Table 8.31

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 200 / kVA of billing demand / month	Rs. 230 / kVA of billing demand / month
Energy charges(Rs./unit)	5.00	5.00

TOD Tariff (Optional):

Table 8.32

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

10. HT 2 (a) & (b) Installations:

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

Table 8.33

Details	Existing Tariff	Proposed
Demand charges	Rs. 210 / kVA of billing demand / month	Rs. 280 / kVA of billing demand / month
Energy charges		
For the first one lakh units (Rs./unit)	6.90	7.00
For the balance units (Rs./unit)	7.20	7.00

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

Table 8.34

Details	Existing Tariff	Proposed (Rs./unit)
Demand charges	Rs. 210 / kVA of billing demand / month	Rs. 280 / kVA of billing demand / month
Energy charges		
For the first one lakh units (Rs./unit)	6.80	6.90
For the balance units (Rs./unit)	7.00	6.90

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

Table 8.35

Details	Existing Tariff	Proposed
Demand charges	Rs. 210 / KVA of billing demand / month	Rs. 295/ KVA of billing demand / month
Energy charges for all the units(Rs./unit)	6.00	6.00

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

Table 8.36

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 210 / KVA of billing demand / month	Rs. 295/ KVA of billing demand / month
Energy charges for all the units	6.00	6.00

BMRCCL Tariff:

Table 8.37

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 210 / KVA of billing demand / month	Rs. 295/ KVA of billing demand / month
Energy charges for all the units	5.00	5.00

11. HT-2 (b) HT Commercial:

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

Table 8.38

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 230 / kVA of billing demand / month	Rs. 300 / kVA of billing demand / month
Energy charges		
(i) For the first two lakh units	8.70	8.80
(ii) For the balance units	8.80	8.80

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

Table 8.39

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 220 / kVA of billing demand / month	Rs. 300 / kVA of billing demand / month
Energy charges		
(i) For the first two lakh units	8.50	8.60
(ii) For the balance units	8.60	8.60

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

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

Table 8.40

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 200 / kVA of billing demand / month	Rs. 250 / kVA of billing demand / month
Energy charges		
(i) For the first two lakh units	6.65	6.95
(ii) For the balance units	7.05	6.95

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.

Table 8.41

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 200 / kVA of billing demand / month	Rs. 290 / kVA of billing demand / month
Energy charges		
(i) For the first two lakh units	7.65	8.05
(ii) For the balance units	8.05	8.05

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

Table 8.42

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:

Table 8.43

Energy charges / Minimum charges	250 paise/ unit subject to an annual minimum of Rs. 1360 per HP / annum.
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Revised:

Table 8.44

Energy charges / Minimum charges	250 paise/ unit subject to an annual minimum of Rs. 1360 per HP / annum.
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HT 3 (a) (ii): Applicable to Pvt. LI Schemes and Lift Irrigation Societies fed through express/ urban feeders.

Table 8.45

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges	Rs. 60 / HP / Month of sanctioned load	Rs. 90 / HP / Month of sanctioned load
Energy charges	2.50	2.50

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

Table 8.46

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges	Rs. 40 / HP / Month of sanctioned load	Rs. 40 / HP / Month of sanctioned load
Energy charges	2.50	2.50

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

Existing:

Table 8.47

Details	Tariff
Energy charges / minimum charges	450 paise/ unit subject to an annual minimum of Rs. 1360 per HP / annum.

Revised:

Table 8.48

Details	Tariff
Energy charges/ minimum charges	450 paise/ unit subject to an annual minimum of Rs. 1360 per HP / annum.

14. HT 4- Residential Apartments/ Colonies:

HT - 4: Applicable to all areas.

Table 8.49

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 120 / kVA of billing demand	Rs. 150 / kVA of billing demand
Energy charges	6.45	6.65

15. HT5- Temporary Supply:

Existing:

Table 8.50

67 HP and above	
Fixed charges	Rs.250/HP/month for the entire sanctioned load/contract demand.
Energy Charges	1030 paise/ unit.

Proposed:

Table 8.51

67 HP and above	
Fixed charges	Rs.300/HP/month for the entire sanctioned load/contract demand
Energy Charges	1150 paise/ unit

HT 5(a)- Temporary Supply:

Existing:

Table 8.52

67 HP and above	
Fixed charges	Not Applicable
Energy Charges	1130 paise/ unit.

Proposed:

Table 8.53

67 HP and above	
Fixed charges	Not applicable
Energy Charges	1500 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 2017, 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 2019-2020 as summarized in following table:

Table 8.54

Distribution ARR-Rs. Crs	1,731.28
Sales-MU	28912
Wheeling charges- paise/unit	59.88
	Paise/unit
HT-network	17.96
LT-network	41.92

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:

Table 8.55

Loss allocation	% loss
HT	3.86
LT	5.48

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:

Table 8.56

Particulars	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
Average Realisation rate-Paise/unit @ existing rate	562	902	874	1086	1003	790	931	382	651	514	698	1274
proposed tariff hike	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01

Average Realisation rate-Paise/unit	563	903	875	1087	1004	791	932	383	652	515	699	1275
Cost of supply @ 66kV and above level	689	689	689	689	689	689	689	689	689	689	689	689
Cross subsidy surcharge paise/unit @ 66kV and above level	-126	214	186	398	315	102	243	-306	-37	-174	10	586
20% of the tariff applicable to the category of the consumers	113	181	175	217	201	158	186	77	130	103	140	255
Cross subsidy surcharge limited to 20% of the tariff applicable	-126	181	175	217	201	102	186	-306	-37	-174	10	255
Cost of supply @ HT level	737	737	737	737	737	737	737	737	737	737	737	737
Cross subsidy surcharge paise/unit @ HT level	-174	166	139	351	267	55	196	-353	-84	-221	-38	538
20% of the tariff applicable to the category of the consumers	113	181	175	217	201	158	186	77	130	103	140	255
Cross subsidy surcharge limited to 20% of the tariff applicable	-174	166	139	217	201	55	186	-353	-84	-221	-38	255

Cross subsidy surcharge is proposed as under:

Table 8.57

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
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66 kV & above	-126	181	175	217	201	102	186	-306	-37	-174	10	255
HT level-11 kV/33kV	-174	166	139	217	201	55	186	-353	-84	-221	-38	255

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 has been underlined by Hon'ble Commission in the Order No. OP No.52/2017, dated 14.05.2018.

An extract from Commission's Tariff Order 2018, dated 14.05.2018 is reiterated:

"In the last two tariff Orders, the Commission has considered increasing the fixed charges to all the consumers with the observation that the gap in the actual fixed cost incurred and the recovery thereof, shall have to be bridged gradually over a period of time. Hence, the Commission has continued the same approach in this tariff exercise through increase in the minimum billing demand from 75% of the Contract Demand to 85% for all the HT consumers, besides increasing the Fixed Charges in respect of LT consumer categories. However, the issue of non-recovery of full fixed cost from consumers having a Contract Demand of one MW and above, would be addressed by the Commission in the separate Order to be issued on additional surcharge."

In line with the methodology adopted by Hon'ble Commission in the KERC Order dated 14th May 2018, BESCOM computed the Additional Surcharge. The Additional Surcharge that could be recovered as per the ARR of BESCOM for FY-20 is Rs. 1.55/unit.

Table 8.58

Particulars	Unit	110kV & 66 kV	11 kV	LT	Total
Energy Sales as per flow diagram	MU	924.50	7995.01	19992.26	28911.76
Distribution Losses	MU	0.00	560.72	3531.81	4092.53
Net IF energy	MU	924.50	8555.72	23524.07	33004.30
Transmission Loss	%	3.19%	3.19%	3.19%	
Net Energy at Gen	MU	954.96	8837.64	24299.22	34091.82
Dist of Energy input	%	2.8%	25.9%	71.3%	100.0%
PP Cost	Rs.in Cr.	20134.53			20134.53
Dist of PP Cost	Rs.in Cr.	563.77	5218.87	14351.89	20134.53
Dist of energy sales	%	3.2%	27.7%	69.2%	100.0%
Other Cost (Transmission & Dist. Network)	Rs.in Cr.	3543.30			3543.30
Dist. Of other cost	Rs.in Cr.	113.39	979.72	2450.19	3543.30
Total Cost	Rs.in Cr.	677.16	6198.59	16802.08	23677.83
Voltage wise per unit Cost	Rs./unit	7.32	7.75	8.40	8.19

Table 8.59

Particulars	Unit	110kV & 66 kV	11 kV	LT	Total
PP Cost	Rs.in Cr.				20134.53
Dist. Of PP Cost	Rs.in Cr.	563.77	5218.87	14351.89	20134.53
% share		2.80%	25.92%	71.28%	
Total Fixed Charges PP	Rs.in Cr.				7694.09

Voltage wise Fixed Charge	Rs.in Cr.	215.44	1994.31	5484.35	7694.09
Total Variable Charges	Rs.in Cr.				12440.43
Voltage wise VC	Rs.in Cr.	348	3224.56	8867.54	12440.43
other Cost	Rs.in Cr.	99	918	2526	3543.30
Total Fixed Expenditure (FC+ Other Cost)	Rs.in Cr.	314.65	2912.73	8010.01	11237.39

Table 8.60

	11 kV and above consumers (HT)	LT consumers
FC	3227.38	8010.01
EC	2209.74	5484.35
Total	5437.13	13494.36
FC %	59%	59%
EC%	41%	41%

Proposed fixed charges from HT consumers (D21)= Rs.2216.49 Crores.

Total Fixed Charges to be collected = Rs.3227.38 Crores

Estimated Under recovery from Fixed Charges = Rs.1010.89 Crores

Additional Surcharge = Rs.1.13(113Paisa)

BESCOM opines that increasing trend of 'retrofitting' oneself as captive power plant so as to somehow evade CSS and additional surcharge by misusing the provisions of Electricity Rules 2005 is alarming and requires to be taken note. Further, no cross subsidy surcharge is applicable to open access/ wheeling transaction from solar energy. Such evasion of CSS and additional surcharge affect the revenue of BESCOM and such under recovery gets passed on to its other common consumers resulting into increase in their tariff for no fault on their part. Therefore, BESCOM has requested the Hon'ble

Commission to make the additional surcharge and cross subsidy surcharge applicable to all Open Access consumers including the consumers sourcing power from Captive Power Plants and solar energy as well.

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 2019-2020 is shown in the following table.

Table 8.61

Voltage Level	Cost of Supply (Rs./unit)
EHV (66 kV & above)	7.32
HT Level (22&/or 11 kV)	7.75
LT Level	8.40
Total	8.19