

## CHAPTER – 7

### DETERMINATION OF TARIFF FOR FY-24

#### **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)	8.70	9.95

Subject to a monthly minimum of Rs. 70 per installation per month.

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

**Existing:**

**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)
Fixed Charges per Month	For the first KW	100
	For every additional KW up to and inclusive of 50 KW	110
	For every additional KW above 50 KW	175
Energy Charges	For 0- 50 units	4.15
	51 to 100 units	5.60
	101 to 200 units	7.15
	Above 200 units	8.20

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

**Existing:**

Details	Particulars	Existing Tariff (Rs/unit)
Fixed Charges per Month	For the first KW	85
	For every additional KW up to and inclusive of 50 KW	100
	For every additional KW above 50 KW	160
Energy Charges	Up to 50 units	4.05
	51 to 100 units	5.30
	101 to 200 units	6.85
	Above 200 units	7.70

**Proposed:**

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

**Proposed:**

Details	Particulars	Proposed (Rs/unit)
Fixed Charges per Month	For the first KW	150
	For every additional KW up to and inclusive of 50KW	300
	For every additional KW above 50 KW	460
Energy Charges	For 0- 50 units	3.6
	0 to 100 units	5.4
	0 to > 100 units	7.0

A rebate of 25 paise per unit in energy charges is provided for the consumers of village panchayats.

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

**Existing:**

**LT-2(b)(i):** Applicable in BBMP Areas, Municipal Corporations and all other Urban Local Bodies.

<b>Details</b>	<b>Particulars</b>	<b>Existing Tariff (Rs/unit)</b>
Fixed Charges per Month	Up to and inclusive of 50 KW	Rs.120 Per KW subject to a minimum of Rs.150 PM
	For every additional KW above 50 KW	Rs.175 per KW
Energy Charges	0-200 units	7.35
	Above 200 units	8.60

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

<b>Details</b>	<b>Particulars</b>	<b>Existing Tariff (Rs/unit)</b>
Fixed Charges per Month	Upto and inclusive of 50 KW	Rs.110 Per KW subject to a minimum of Rs.135 PM
	For every additional KW above 50KW	Rs.165 per KW
Energy Charges	0-200 units	6.80
	Above 200 units	8.05

**Proposed:**

**LT-2(b):** Applicable in BBMP Areas, Municipal Corporations, all other Urban Local Bodies and Village Panchayats.

Fixed Charges per Month	Rs. 230 per KW subject to a minimum of Rs. 260 per month up to and inclusive of 50 KW	
	Rs. 310 per KW for every additional KW above 50 KW	
Energy Charges	For all units	7.5

A rebate of 50 paise per unit in energy charges is provided for the consumers of village panchayats.

**4. LT-3- Commercial:**

**Existing:**

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

Details	Particulars	Existing Tariff (Rs/unit)
Fixed charges per Month	Up to and inclusive of 50 KW	Rs. 125 per KW
	For every additional KW above 50KW	Rs. 230 per KW
Energy Charges	For the first 50 units	8.40
	For the balance units	9.40

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

Details	Particulars	Existing Tariff (Rs/unit)
Fixed charges per Month	Up to and inclusive of 50 KW	Rs. 115 per KW
	for every additional KW above 50KW	Rs. 220 per KW
Energy Charges	For the first 50 units	7.90
	For the balance units	8.90

**Proposed:**

**LT-3:** Applicable in BBMP Areas, Municipal Corporations, all other Urban Local Bodies and Village Panchayats.

Details	Particulars	Proposed Tariff (Rs/unit)
Fixed charges per Month	Up to and inclusive of 50 KW	Rs. 260 per KW
	For every additional KW above 50KW	Rs. 360 per KW
Energy Charges	For all units	7.70
	For Hoardings & Advertisement boards	11.90

It is Proposed to shift/classify Hoardings & Advertisement boards, Bus Shelters with Advertising Boards, Private Advertising Posts / Sign boards in the interest of public such as Police Canopy Direction boards, and other sign boards sponsored by Private Advertising Agencies /firms on permanent connection basis under LT-3 tariff category at the rate of 2.5 plus the highest energy charges of LT-3 category.

A rebate of 50 paise per unit in energy charges is provided for the consumers of village panchayats.

**Demand based tariff (Optional)** where sanctioned load is above 5 KW but below 150 KW.

**Existing:**

Details	Particulars	Existing Tariff (Rs/unit)
Fixed charges per Month	Up to and inclusive of 50 KW	Rs. 140 per KW
	For every additional KW above 50KW	Rs. 245 per KW
Energy Charges	For the first 50 units	8.40
	For the balance units	9.40

**Applicable to areas under Village Panchayats:**

Details	Particulars	Existing Tariff (Rs/unit)
Fixed charges per Month	Up to and inclusive of 50 KW	Rs. 130 per KW
	for every additional KW above 50KW	Rs. 235 per KW
Energy Charges	For the first 50 units	7.90
	For the balance units	8.90

**Proposed:**

**Demand based tariff (Optional)** where sanctioned load is above 5 KW but below 150 KW.

Details	Particulars	Proposed (Rs/unit)
Fixed charges per Month	Up to and inclusive of 50 KW	Rs. 280 per KW
	for every additional KW above 50KW	Rs. 490 per KW
Energy Charges	For all units	7.70

A rebate of 50 paise per unit in energy charges is provided for the consumers of village panchayats.

**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	4.55

**Proposed:**

Particulars	(Rs/Unit)
Fixed charges	Free
Energy charges	
Commission Determined Tariff (CDT) for LT-4 (a) category	7.545

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

Details	Particulars	Existing Tariff (Rs/unit)	Proposed Tariff (Rs/unit)
Fixed charges per Month	Rs. per HP per month.	110	135
Energy charges		3.90	6.00

**LT-4(c):** Applicable to Horticultural Nurseries, Coffee and Tea plantations

Details	Particulars	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs. per HP per month	100	140
Energy charges		3.90	6.00

## 6. LT-5 - LT Industries:

**Existing:**

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

**i) Fixed Charges:**

**Existing**

Details	Particulars
Fixed Charges per Month	i) Rs. 90 per HP for 5 HP & below ii) Rs. 100 per HP for above 5 HP & below 40 HP iii) Rs. 125 per HP for 40 HP & above but below 67 HP iv) Rs. 190 per HP for 67 HP & above but below 100 HP v) Rs. 225 per HP for 100 HP & above



### Demand based Tariff (optional):

<b>Demand Based Tariff</b>	Above 5 HP and less than 40 HP	Rs. 120 per KW of billing demand
	40 HP and above but below 67 HP	Rs. 155 per KW of billing demand
	67 HP and above but below 100	Rs. 240 per KW of billing demand
	100 HP and above	Rs. 255 per KW of billing demand

### Energy Charges:

Particulars	Existing Tariff (Rs./unit)
For the first 500 units	6.05
Above 500 units	7.35

### Tariff for LT-5(b):

Applicable to all other areas other than those covered under LT-5(a)

#### i) Fixed Charges:

##### Existing

Details	Particulars
Fixed Charges per Month	i) Rs. 80 per HP for 5 HP & below ii) Rs. 95 per HP for above 5 HP & below 40 HP iii) Rs. 120 per HP for 40 HP & above but below 67 HP iv) Rs. 175 per HP for 67 HP & above but below 100 HP v) Rs.210 per HP for 100 HP and above

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

**Existing:**

<b>Demand Based Tariff</b>	Above 5 HP and less than 40 HP	Rs. 110 per KW of billing demand
	40 HP and above but below 67 HP	Rs. 145 per KW of billing demand
	67 HP and above but below 100	Rs. 230 per KW of billing demand
	100 HP and above	Rs. 245 per KW of billing demand

**iii) Energy Charges:**

<b>Particulars</b>	<b>Existing Tariff (Rs./unit)</b>
For the first 500 units	5.75
Above 500 to 1000 units	6.70
Above 1000 units	7.00

**TOD Tariff applicable to LT-5(a) & (b) at the option of the Consumer:**

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

**Proposed:**

**LT-5:** Applicable in BBMP Areas, Municipal Corporations, all other Urban Local Bodies and Village Panchayats.

**Fixed Charges:**

Fixed Charges per Month	Less than 40 HP	Rs. 160 per KW of billing demand
	Above 40 HP upto 100 HP	Rs. 210 per KW of billing demand
	Above 100 HP	Rs. 280 per KW of billing demand

**Energy Charges:**

Particulars	Proposed (Rs./unit)
For all units	6.20

A rebate of 50 paise per unit in energy charges is provided for the consumers of village panchayats.

**Demand based Tariff (optional):**

<b>Demand Based Tariff</b>	Less than 40 HP	Rs. 360 per KW of billing demand
	Above 40 HP upto 100 HP	Rs. 480 per KW of billing demand
	Above 100 HP	Rs. 510 per KW of billing demand

**TOD Tariff applicable to LT5 at the option of the Consumer**

Time of Day		Dec to June	July to Nov
		(rebate/penalty in addition to the base tariff, Rs. per unit)	
06-10	Peak	1.5	1
10-15	Off-peak	-0.75	-0.75

15-18	Normal	0	0
18-22	Peak	1.5	1
22-24	Normal	0	0
24-06	Off-Peak	-0.75	-0.75

## 7. LT-6 Water Supply Installations and Street Lights:

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

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.110/HP/month up to 67 HP	Rs.160/HP/month up to 67 HP
	Rs.215/HP/month for every additional KW above 67HP	Rs.240/HP/month above 67HP for every additional HP
Energy charges	5.00	6.00

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

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per Month	Rs.125/KW/month	Rs.180/KW/month
Energy charges	6.70	7.00
Energy charges for LED/Induction Lighting	5.65	6.25

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

**HT:**

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per KW/KVA	Rs.200/KVA/month	Rs.200/KVA/month
Energy charges	5.00	5.00

**LT:**

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Fixed charges per KW/KVA	Rs.70/KW/month up to 50 KW	Rs.70/KW/month
	Rs.170/KW/month for every additional KW above 50KW	Rs.170/KW/month for every additional KW above 50KW
Energy charges	5.00	5.00

The approved ToD tariff is applicable for the power supply availed under HT supply for charging the Electric Motor Vehicle in the Depots of BMTTC / Depots of KSRTC / NEKRTC / NWKRTC only.

**ToD Tariff**

Time of Day		Dec to June	July to Nov
		(rebate/penalty in addition to the base tariff, Rs. per unit)	
06-10	Peak	1.50	1
10-15	Off-peak	-0.75	-0.75
15-18	Normal	0	0
18-22	Peak	1.50	1
22-24	Normal	0	0
24-06	Off-Peak	-0.75	-0.75

## 8. LT 7- Temporary Installations:

**LT-7(a):** Applicable to **Temporary Power supply for all purposes.**

**Existing:**

Details	Approved Tariff
Less than 67 HP:	Energy charge at <b>1120 paise/unit</b> subject to a weekly minimum of <b>Rs.275 per KW</b> of the sanctioned load.

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

**Existing:**

Details	Approved Tariff
Less than 67 HP:	Fixed Charges at <b>Rs.150</b> per KW/month Energy Charges at <b>1120 paise/unit.</b>

**Proposed:**

**LT-7:**

Details	Proposed Tariff
Less than 67 HP:	Energy charge at <b>1300 paise unit</b> subject to a weekly minimum of <b>Rs. 360 per KW</b> of the sanctioned load.

It is proposed to shift/classify LT-7(b) under LT-3 tariff category at the rate of 2.5 plus the highest energy charges of LT-3 category.

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

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 250 / kVA of billing demand / month	Rs. 500 / kVA of billing demand / month
Energy charges	5.60	6.00

**Existing ToD Tariff:**

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

**Proposed TOD Tariff (Optional):**

<b>Time of Day</b>		<b>Dec to June</b>	<b>July to Nov</b>
		<b>(rebate/penalty in addition to the base tariff, Rs. per unit)</b>	
06-10	Peak	1.50	1
10-15	Off-peak	-0.75	-0.75
15-18	Normal	0	0
18-22	Peak	1.50	1
22-24	Normal	0	0
24-06	Off-Peak	-0.75	-0.75

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

### Existing:

**Tariff for HT-2(a)(i):** Applicable to BBMP area Municipal Corporation.

Details	Existing Tariff (Rs./unit)
Demand charges	Rs. 275 / kVA of billing demand / month
Energy Charges	
For the first one lakh units	7.50
For the balance units	7.80

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

Details	Existing Tariff (Rs./unit)
Demand charges	Rs. 265/ kVA of billing demand /month
Energy Charges	
For the first one lakh units	7.40
For the balance units	7.60

**Railway Traction applicable to both HT-2a(i) & HT-2a(ii):**

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 275 / KVA of billing demand/ month	Rs. 275/ KVA of billing demand/ month
Energy charges for all the units	6.60	6.60



**Effluent Treatment Plants applicable to both HT-2a (i) & HT-2a(ii):**

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 275/ KVA of billing demand/ month	Rs. 275/ KVA of billing demand/ month
Energy charges for all the units	7.00	7.00

**BMRCL Tariff:**

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 245/KVA of billing demand/month	Rs. 245/KVA of billing demand/month
Energy charges for all the units	5.25	5.25

**Proposed:**

**HT-2(a):** Applicable to BBMP area Municipal Corporation and Village panchayaths.

Details	Proposed (Rs./unit)
Demand charges	Rs. 510 / kVA of billing demand / month
Energy charges	6.60

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

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

Details	Existing Tariff (Rs./unit)
Demand charges	Rs. 300 / kVA of billing demand / month
Energy charges	
(i) For the first two lakh units	9.30
(ii) For the balance units	9.40

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

Details	Existing Tariff (Rs./unit)
Demand charges	Rs. 290/ kVA of billing demand/ month
Energy charges	
(i) For the first two lakh units	9.10
(ii) For the balance units	9.20

**Proposed:**

**HT-2(b):** Applicable to BBMP area Municipal Corporation and Village panchayaths.

Details	Proposed (Rs./unit)
Demand charges	Rs. 510 / kVA of billing demand / month
Energy charges	7.10

**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)
Demand charges	Rs. 260 / kVA of billing demand/ month
Energy charges	
(i) For the first one lakh units	7.25
(ii) For the balance units	7.65

**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)
Demand charges	Rs. 265 / kVA of billing demand / month
Energy charges	
(i) For the first one lakh units	8.25
(ii) For the balance units	8.65

**Proposed:**

**HT-2(c):** Applicable to Hospitals and Educational Institutions and Hostels of educational institutions

Details	Proposed (Rs./unit)
Demand charges	Rs. 510 / kVA of billing demand / month
Energy charges	6.90

**Existing 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	0
10.00 Hrs to 18.00 Hrs	0
18.00 Hrs to 22.00 Hrs	From July to November (monsoon period)-0 From December to June(+) 100 paise per unit
22.00 Hrs to 06.00 Hrs next day	From July to November (monsoon period)-0 From December to June(-) 100 paise per unit

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

Time of Day		Dec to June	July to Nov
		(rebate/penalty in addition to the base tariff, Rs. per unit)	
06-10	Peak	1.5	1
10-15	Off-peak	-0.75	-0.75
15-18	Normal	0	0
18-22	Peak	1.5	1
22-24	Normal	0	0
24-06	Off-Peak	-0.75	-0.75

**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>315 paise/ unit</b> subject to an annual minimum of <b>Rs. 1900 per HP / annum.</b>
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**Proposed:**

Energy charges/ Minimum charges	<b>600 paise/unit</b> subject to an annual minimum of <b>Rs. 3000 per HP / annum.</b>
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**Existing HT-3(a)(ii):** Applicable to Pvt. LI Schemes and Lift Irrigation Societies fed through express/ urban feeders.

Details	Particulars	Existing Tariff (Rs./unit)
Fixed charges	HP / Month of sanctioned load	110
Energy charges		3.15

**Existing 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)
Fixed charges	HP /Month of sanctioned load	90
Energy charges		3.15

**Proposed:**

**HT-3(a)(i):** Applicable to Pvt. LI Schemes and Lift Irrigation Societies.

Details	Particulars	Proposed (Rs./unit)
Fixed charges	HP /Month of sanctioned load	500
Energy charges		6.00

**HT-3(b):** Irrigation & Agricultural Farms Government Horticulture farms, Private Horticulture Nurseries, Coffee, tea, Coconut & Arecanut Plantations:

**Existing:**

Details	Tariff
Energy charges /minimum charges	<b>515 paise/ unit</b> subject to an annual minimum of <b>Rs. 1960 per HP /annum.</b>

**Proposed:**

Details	Tariff
Energy charges/ minimum charges	<b>525 paise/ unit</b> subject to an annual minimum of Rs. <b>3000 per HP / annum.</b>

**Proposed TOD Tariff applicable to HT-3 category:**

Time of Day		Dec to June	July to Nov
		(rebate/penalty in addition to the base tariff, Rs. per unit)	
06-10	Peak	1.5	1
10-15	Off-peak	-0.75	-0.75
15-18	Normal	0	0
18-22	Peak	1.5	1
22-24	Normal	0	0
24-06	Off-Peak	-0.75	-0.75

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

**HT – 4:** Applicable to all areas.

Details	Existing Tariff (Rs./unit)	Proposed (Rs./unit)
Demand charges	Rs. 175 / kVA of billing demand	Rs. 510 / kVA of billing demand
Energy charges	7.10	5.30

**Proposed TOD Tariff applicable to HT-4 category:**

Time of Day		Dec to June	July to Nov
		(rebate/penalty in addition to the base tariff, Rs. per unit)	
06-10	Peak	1.5	1
10-15	Off-peak	-0.75	-0.75
15-18	Normal	0	0
18-22	Peak	1.5	1
22-24	Normal	0	0
24-06	Off-Peak	-0.75	-0.75

**15. HT-5- Temporary Supply:**

**Existing:**

67 HP and above	
Fixed charges	Rs.325/HP/month for the entire sanctioned load/contract demand.
Energy Charges	1120 paise/ unit.

**HT-5(a)- Temporary Supply:**

**Existing:**

67 HP and above	
Fixed charges	Not Applicable
Energy Charges	1255 paise/ unit.

**Proposed:**

**HT-5**

<b>67 HP and above</b>	
Fixed charges	Rs.610/HP/month for the entire sanctioned load/contract demand
Energy Charges	1100 paise/ unit
Energy Charges (BIEC)	1300 paise/ unit

**HT-5a** tariff category had been created for Bangalore International Exhibition Centre only. Hence the same maybe merged under HT-5 category with an additional increase in the energy charges by Rs. 2 as there are no fixed charges.

**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-24 applicable to all open access/wheeling transactions and also to RE source as summarized in following table:

Distribution ARR-Rs. Crs.	3780.86
Sales-MU	30289.60
Wheeling charges-ps./unit	124.82
	Paise/unit
HT-network	37.45
LT-network	87.38

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:

Loss allocation	% loss
HT	3.05
LT	7.09

## II. Cross Subsidy Surcharge

The Cross Subsidy Surcharge (CSS) is compensatory charge to the ESCOMs. 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.

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	HT2a(i)	HT2a(ii)	HT2b(i)	HT-2b(ii)	HT2c(i)	HT2c(ii)	HT3a(i)	HT-3a(ii)	HT-3b	HT4	HT-5
Avg. Realisation Rate-Ps./unit@existing rate	621.33	970.90	957.08	1313.00	1221.51	882.62	1047.08	378.13	408.10	652.64	816.96	1471.80
Proposed tariff hike-Ps./unit	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00
Avg. Realisation Rate-Ps./unit	767.33	1116.90	1103.08	1459.00	1367.51	1028.62	1193.08	524.13	554.10	798.64	962.96	1617.80
Cost of supply @66kV and above level	826.20	826.20	826.20	826.20	826.20	826.20	826.20	826.20	826.20	826.20	826.20	826.20
Cross subsidy surcharge-ps/unit @66kV and above level	-58.87	290.70	276.89	632.80	541.31	202.42	366.88	-302.07	-272.10	-27.55	136.77	791.61
20% tariff applicable to the category of the consumers	153.47	223.38	220.62	291.80	273.50	205.72	238.62	104.83	110.82	159.73	192.59	323.56
Cross subsidy surcharge limited to 20% of the tariff applicable	-58.87	223.38	220.62	291.80	273.50	202.42	238.62	-302.07	-272.10	-27.55	136.77	323.56
Cost of supply @HT level	886.71	886.71	886.71	886.71	886.71	886.71	886.71	886.71	886.71	886.71	886.71	886.71
Cross subsidy surcharge-ps/unit @HT level	-119.38	230.19	216.37	572.29	480.80	141.91	306.37	-362.59	-332.61	-88.07	76.25	731.09
20% tariff applicable to the category of the consumers	153.47	223.38	220.62	291.80	273.50	205.72	238.62	104.83	110.82	159.73	192.59	323.56
Cross subsidy surcharge limited to 20% of the tariff applicable	-119.38	223.38	216.37	291.80	273.50	141.91	238.62	-362.59	-332.61	-88.07	76.25	323.56

Cross subsidy surcharge is proposed as under:

Voltage level	HT1	HT2a(i)	HT2a(ii)	HT2b(i)	HT-2b(ii)	HT2c(i)	HT2c(ii)	HT3a(i)	HT-3a(ii)	HT-3b	HT4	HT-5
66kV & above	0.00	223.38	220.62	291.80	273.50	202.42	238.62	0.00	0.00	0.00	136.77	323.56
HT level-11 kV/33kV	0.00	223.38	216.37	291.80	273.50	141.91	238.62	0.00	0.00	0.00	76.25	323.56

### 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 30<sup>th</sup> May 2019, BESCOM computed the Additional Surcharge. The Additional Surcharge that could be recovered as per the ARR of BESCOM for **FY-24 is Rs. 2.46/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	915.62	8354.44	21019.54	30289.60
Distribution Losses	MU	0.88	486.20	3030.50	3517.57
Net IF energy	MU	916.50	8840.63	24050.04	33807.17
Transmission Loss	%	2.76	2.76	2.76	
Net Energy at Gen	MU	942.50	9091.46	24732.33	34766.29
Dist of Energy input	%	2.71	26.15	71.14	100.00
PP Cost	Rs.in Cr.	24187.36			24187.36
Dist of PP Cost	Rs.in Cr.	655.71	6325.05	17206.60	24187.36
Dist of energy sales	%	0.03	0.28	0.69	100.0%
Other Cost (Transmission & Dist. Network)	Rs.in Cr.	5962.80			5962.80
Dist. Of other cost	Rs.in Cr.	178.88	1669.58	4114.33	5962.79
Total Cost	Rs.in Cr.	834.59	7994.63	21320.93	30150.15
Voltage wise per unit Cost	Rs./unit	9.12	<b>9.57</b>	<b>10.14</b>	<b>9.95</b>

Particulars	Unit	110kV & 66 kV	11 kV	LT	Total
PP Cost	Rs.in Cr.	24187.36			24187.36
Dist. Of PP Cost	Rs.in Cr.	655.71	6325.05	17206.60	24187.36
% share		2.71%	26.15%	71.14%	
Total Fixed Charges PP	Rs.in Cr.	9886.42			
Voltage wise Fixed Charge	Rs.in Cr.	268.02	2585.32	7033.08	9886.42
Total Variable Charges	Rs.in Cr.	14300.94			
Voltage wise VC	Rs.in Cr.	388	3740	10174	14300.94
other Cost	Rs.in Cr.	179	1670	4114	5962.80
<b>Total Fixed Expenditure (FC+ Other Cost)</b>	<b>Rs.in Cr.</b>	<b>446.90</b>	<b>4254.90</b>	<b>11147.41</b>	<b>15849.22</b>

Particulars	11 kV and above consumers (HT)	LT consumers
FC	2417.76	3694.79
EC	7245.54	13013.51
Total	9663.30	16708.30
FC %	25%	22%
EC%	75%	78%

Proposed fixed charges from HT consumers (D21) Crores.	2417.76
Total Fixed Charges to be collected Crores	4701.80
Estimated Under recovery from Fixed Charges Crores	2284.04
<b>Additional Surcharge</b>	<b>2.46</b>

It is at the very outset submitted that the issue with regard to the right to collect additional surcharge from open access consumers is no longer a question that has not been examined or passed upon. The Hon'ble Supreme Court has in the matter of SESA Sterlite vs OERC , reported in **(2014) 8 SCC 444** categorically held that Section 42(4) of the Electricity Act, 2003 permits the collection of additional surcharge from open access consumers of distribution licensees. In addition, Clause 8.5.4 of the National Tariff Policy, 2016 and Regulation 11 of the KERC( Terms And Conditions for Open Access) Regulations, 2004 also categorically permit the levy and collection of the same. Therefore, it is settled law that a distribution licensee can levy additional surcharge, if its existing power purchase commitments are stranded and it is incurring additional fixed charges due to consumers opting to buy power through open access.

The statements of open access and backed down energy for FY-22 are, by which an analysis has been made of the open access volume for the relevant period. It also considers the capacity charge paid for the relevant year. These elements considered are based on actuals and not based on any assumptions.

The following factual aspects demonstrates the fact that the State of Karnataka was in surplus scenario and in view of the open access volumes, back down instructions had to be issued , resulting in excess capacity charges being paid. The details of the same are as under:

**Generating station wise, quantum of surplus power backed down/kept under reserve shutdown for 2021-22**

<b>Station Name: CGS</b>	<b>Unit No: UPCL</b>	
<b>Month</b>	<b>Total surplus power backed down/reserve shut down(in MU)</b>	<b>Reasons for back down /reserve shutdown of surplus power</b>
<b>Apr-21</b>	226.59	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>May-21</b>	669.28	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Jun-21</b>	613.30	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Jul-21</b>	245.33	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Aug-21</b>	557.92	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Sep-21</b>	0.00	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Oct-21</b>	313.32	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Nov-21</b>	727.44	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Dec-21</b>	751.69	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Jan-22</b>	751.69	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Feb-22</b>	678.95	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Mar-22</b>	751.69	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Total</b>	<b>6287.21</b>	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION

**Generating station wise, quantum of surplus power backed down/kept under reserve shutdown for 2021-22**

Station Name: RTPS	Unit No:RTPS 1 to 8	
Month	Total surplus power backed down/reserve shut down(in MU)	Reasons for back down /reserve shutdown of surplus power
Apr-21	66.45	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
May-21	782.24	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
Jun-21	1190.41	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
Jul-21	682.21	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
Aug-21	217.30	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
Sep-21	499.28	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
Oct-21	40.77	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
Nov-21	558.75	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
Dec-21	591.74	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
Jan-22	125.02	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
Feb-22	59.36	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
Mar-22	36.11	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Total</b>	<b>4849.63</b>	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION

**Generating station wise, quantum of surplus power backed down/kept under reserve shutdown for 2021-22**

Station Name:BTSPS	Unit No:BTSPS 1 to 3	
Month	Total surplus power backed down/reserve shut down(in MU)	Reasons for back down /reserve shutdown of surplus power
Apr-21	75.77	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
May-21	554.63	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
Jun-21	751.93	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION

<b>Jul-21</b>	687.86	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Aug-21</b>	208.91	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Sep-21</b>	444.64	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Oct-21</b>	69.73	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Nov-21</b>	513.67	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Dec-21</b>	558.52	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Jan-22</b>	183.17	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Feb-22</b>	0.00	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Mar-22</b>	0.00	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Total</b>	<b>4048.83</b>	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION

**Generating station wise, quantum of surplus power backed down/kept under reserve shutdown for 2021-22**

<b>Station Name:CGS</b>	<b>Unit No:CGS</b>	
<b>Month</b>	<b>Total surplus power backed down/reserve shut down(in MU)</b>	<b>Reasons for back down /reserve shutdown of surplus power</b>
<b>Apr-21</b>	653.80	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>May-21</b>	1270.47	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Jun-21</b>	1028.09	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Jul-21</b>	1515.15	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Aug-21</b>	545.25	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Sep-21</b>	484.98	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Oct-21</b>	344.92	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Nov-21</b>	1099.15	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Dec-21</b>	1154.21	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION

<b>Jan-22</b>	760.60	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Feb-22</b>	64.25	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Mar-22</b>	23.16	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Total</b>	<b>8944.04</b>	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION

**Generating station wise, quantum of surplus power backed down/kept under reserve shutdown for 2021-22**

<b>Station Name:BTSP</b>	<b>Unit No:YTPS 1 to 2</b>	
<b>Month</b>	<b>Total surplus power backed down/reserve shut down(in MU)</b>	<b>Reasons for back down /reserve shutdown of surplus power</b>
<b>Apr-21</b>	21.13	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>May-21</b>	184.56	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Jun-21</b>	398.41	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Jul-21</b>	207.53	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Aug-21</b>	68.73	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Sep-21</b>	104.51	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Oct-21</b>	75.49	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Nov-21</b>	319.26	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Dec-21</b>	228.28	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Jan-22</b>	95.10	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Feb-22</b>	99.58	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Mar-22</b>	23.16	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION
<b>Total</b>	<b>1825.73</b>	LOW LOAD DEMAND/HIGH RENEWABLE GENERATION

**Open Access Volume and Capacity for April-21 to Mar-22:**



Sl.No	Month	Open Access (MU) (FY-21-22) Import	Open Capacity derived (MW) (FY-21-22) Import MW range (14.17MW - 93.53MW)
1	April	57.83	80.32
2	May	69.59	93.53
3	June	57.80	80.28
4	July	63.46	85.30
5	August	38.76	52.10
6	September	34.61	48.06
7	October	22.21	29.86
8	November	49.38	68.58
9	December	58.82	79.06
10	January	52.06	69.97
11	February	31.72	47.21
12	March	10.54	14.17
<b>Total</b>		<b>546.79</b>	<b>134.05 (Avg)</b>

In fact, in the truing up exercise at Chapter-3, it has been deliberated that BESCOM has in fact paid a sum of Rs. 414.5 crores towards fixed cost without off taking power from thermal stations for the period April 2021 to March 2022.

#### 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 (D-23 statement). The standalone Voltage Wise Cost of Supply for FY-24 is as shown in following table.

Voltage Level	FY 23-24
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EHT (66 kV & above)	9.12
HT Level (22&/or 11 kV)	9.57
LT Level	10.14
<b>Total</b>	<b>9.95</b>

## V. Details on Sale of Green Energy:

As per KERC Tariff Order FY 21 Clause 6.10.1, "In order to encourage generation and use of green power in the State, the Commission decides to continue the existing Green Tariff of Rs 0.5 per unit as the additional tariff over and above the normal tariff to be paid by HT consumer who opts for supply of Green Power from out of Renewable energy procured by Distribution Utilities over and above their RPO".

Accordingly, the following HT Consumers have procured Green Power from BESCOM. The details of green energy (solar) sold and amount collected from HT Consumers at additional tariff of Rs 0.5 per unit over and above the solar RPO target of BESCOM for FY-23 are as below:

Sl. no	Company	Period	Energy Sold in KWh	Revenue @ 0.5 Rs /unit
1	WNS Global Services Pvt Ltd	July 2022 to March 2023	0.70	0.04
2	Toyota Techno Park	Jun-22 to Sep-22	6.75	0.34
3	Toyota Kirloskar Motors	Apr-22 to Aug-22	10.44	0.52
4	Karle Properties	April 22 to March 2023	0.16	0.01
5	Taegu tech India Pvt Ltd	Jun-22 to Aug-22	1.86	0.09
6	HSBC Electronic Data Processing India Ltd	Apr-22 to Sep-22	1.51	0.08
7	SAP Labs	Apr-22 to Sep-22	0.32	0.02
8	Tata Consultancy Services	Apr-22 to Sep-22	4.02	0.20
9	Shell India Markets Pvt Ltd	Apr-22 to Sep-22	2.91	0.15
10	Hongkong and Shanghai Banking Corporation	Apr-22 to Jun-22	0.16	0.01
11	Aricent Technologies Holdings Ltd		0.22	0.01

12	Altran Technologies India pvt Ltd		0.01	0.00
13	Denso Kirloskar Industries Pvt Ltd		1.71	0.09
14	State Street Corporate services Mumbai Pvt Ltd	April 22 to July 22	0.12	0.01
15	State Street Corporate services Mumbai Pvt Ltd	April 22 to July 22	0.56	0.03
16	State Street Corporate services Mumbai Pvt Ltd	April 22 to July 22	0.42	0.02
17	State Street Global Advisers Indi Pvt Ltd	April 22 to July 22	0.40	0.02
18	Sartorius Stedim India Pvt Ltd	Sep-22	1.00	0.05
<b>Total</b>			<b>33.27</b>	<b>1.66</b>