

CHAPTER – 7

DETERMINATION OF TARIFF FOR FY-18

1. LT-1 - Bhagya Jyothi:

The existing tariff and tariff proposed are shown below:

Table 7.1

Sl. No	Details	Existing (Paise/Unit)	Proposed (Paise/Unit)
1	Energy charges (including recovery towards service main charges)	596	744

Subject to a monthly minimum of Rs. 30 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 7.2

Details	Particulars	Existing Tariff (p/unit)	Proposed (P/unit)
Fixed Charges per Month	For the first KW	Rs.30	
	For every additional KW	Rs.40	
Energy Charges	For the first 30 units	300	448
	31 to 100 units:	440	588
	101 to 200 units	590	738
	Above 200 units:	690	838

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

Table 7.3

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed Charges per Month	For the first KW	Rs.20	
	For every additional KW	Rs.30	
Energy Charges	For the first 30 units	290	438
	31 to 100 units:	410	558
	101 to 200 units	560	708
	Above 200 units	640	788

3. LT2 (b) - Private Professional Educational Institutions, Nursing Homes and Private Hospitals etc.:

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

Table 7.4

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed Charges per Month	Rs.45 Per KW subject to a minimum of Rs.75 PM		
Energy Charges	0-200 units:	625	773
	Above 200 units:	745	893

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

Table 7.5

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed Charges per Month	Rs.35 Per KW subject to a minimum of Rs.60 PM		
Energy Charges	0-200 units:	570	718
	Above 200 units:	690	838

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.

Table 7.6

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed charges per Month	Rs. 50 per KW		
Energy Charges	For the first 50 units:	715	863
	For the balance units:	815	963

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

Table 7.7

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed charges per Month	Rs. 65 per KW		
Energy Charges	For the first 50 units:	715	863
	For the balance units:	815	963

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

Table 7.8

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed charges per Month	Rs. 40 per KW		
Energy Charges	For the first 50 units:	665	813
	For the balance units:	765	913

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

Table 7.9

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed charges per Month	Rs. 55 per KW		
Energy Charges	For the first 50 units:	665	813
	For the balance units:	765	913

5. LT4 - Irrigation pump sets:

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

Existing:

Table 7.10

Particulars	(P/Unit)
Fixed charges	Free
Energy charges	
Commission Determined Tariff (CDT) for LT4 (a) category is	286

Revised:

Table 7.11

Particulars	(P/Unit)
Fixed charges	Free
Energy charges	
Commission Determined Tariff (CDT) for LT4 (a) category is	434

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

Table 7.12

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed charges per Month	Rs.40 per HP per month.		
Energy charges		280	428

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

Table 7.13

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed charges per Month	Rs.30 per HP per month		
Energy charges		280	428

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

Table 7.14

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed charges per Month	Rs.40 per HP per month		
Energy charges		280	428

6. LT5 - LT Industries:

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

i) Fixed Charges:

Table 7.15

Details	Particulars
Fixed Charges per Month	i) Rs. 35 per HP for 5 HP & below ii) Rs. 35 per HP for above 5 HP & below 40 HP iii) Rs. 45 per HP for 40 HP & above but below 67 HP iv) Rs. 110 per HP for 67 HP & above

ii) Demand based Tariff (optional):

Table 7.16

Demand Based Tariff	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
	Above 5 HP and less than 40 HP		Rs. 55 per KW of billing demand
	40 HP and above but less than 67 HP		Rs. 75 per KW of billing demand
	67 HP and above		Rs. 160 per KW of billing demand

iii) Energy Charges:**Table 7.17**

Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
For the first 500 units	510	658
Above 500 units	630	778

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

i) Fixed Charges:**Table 7.18**

Details	Particulars
Fixed Charges per Month	i) Rs. 30 per HP for 5 HP & below. ii) Rs. 35 per HP for above 5 HP & below 40 HP. iii) Rs. 40 per HP for 40 HP & above but below 67 HP. iv) Rs. 100 per HP for 67 HP & above.

ii) Demand based Tariff (optional):**Table 7.19**

Details	Description	Approved Tariff
Demand Based Tariff	Above 5 HP and less than 40 HP	Rs. 50 per KW of billing demand
	40 HP and above but less than 67 HP	Rs. 65 per KW of billing demand
	67 HP and above	Rs. 150 per KW of billing demand

iii) Energy Charges:**Table 7.20**

Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
For the first 500 units	485	633
For the next 500 units	570	718
For the balance units	600	748

TOD Tariff (Optional):**Table 7.21**

Time of Day	Increase (+) / reduction (-) in energy charges over the normal tariff applicable
22.00 Hrs to 06.00 Hrs	(-) 125 paise per unit
06.00 Hrs to 18.00 hrs	0
18.00 Hrs to 22.00 Hrs	+ 100 paise per unit

7. LT6 Water Supply Installations and Street Lights:**LT-6 (a):** Water supply.**Table 7.22**

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed charges per Month	Rs.45/HP/month		
Energy charges		390	538

LT-6 (b): Public Lighting.**Table 7.23**

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed charges per Month	Rs.60/KW/month		
Energy charges		550	698

8. LT 7- Temporary Installations:**Existing:****Table 7.24**

Details	Approved Tariff
Less than 67 HP:	Energy charge at 950 paise unit subject to a weekly minimum of Rs. 170 per KW of the sanctioned load.

Proposed:**Table 7.25**

Details	Approved Tariff
Less than 67 HP:	Energy charge at 1098 paise unit subject to a weekly minimum of Rs. 170 per KW of the sanctioned load.

9. HT1 Water Supply & Sewerage:

Table 7.26

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Demand charges	Rs. 190 / kVA of billing demand / month		
Energy charges		450	598

TOD Tariff (Optional):

Table 7.27

Time of day	Increase (+) / reduction (-) the energy charges over the normal tariff applicable
22.00 Hrs to 06.00 Hrs next day	(-) 125 Paise per unit
06.00 Hrs to 18.00 Hrs	0
18.00 Hrs to 22.00 Hrs	+ 100 Paise per unit

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

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

Table 7.28

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Demand charges	Rs. 190 / kVA of billing demand / month		
Energy charges			
For the first one lakh units		625	773
For the balance units		675	823

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

Table 7.29

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Demand charges	Rs. 180 / kVA of billing demand / month		
Energy charges			
For the first one lakh units		620	768
For the balance units		660	808

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

Table 7.30

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Demand charges	Rs. 190 / kVA of billing demand / month		
Energy charges for all the units		590	738

BMRCL Tariff:

Table 7.31

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Demand charges	Rs. 190 / kVA of billing demand / month		
Energy charges for all the units		570	718

11. HT-2 (b) HT Commercial:

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

Table 7.32

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Demand charges	Rs. 210 / kVA of billing demand / month		
Energy charges			
(i) For the first two lakh units		805	953
(ii) For the balance units		835	983

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

Table 7.33

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Demand charges	Rs. 200 / kVA of billing demand / month		
Energy charges			
(i) For the first two lakh units		785	933
(ii) For the balance units		815	963

12. HT-2 (c) HT Hospitals and Educational Institutions:**HT – 2 (c) (i):** Applicable to Government Hospitals and Educational Institutions.**Table 7.34**

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Demand charges	Rs. 180 / kVA of billing demand / month		
Energy charges			
(i) For the first two lakh units		600	748
(ii) For the balance units		650	798

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 7.35

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Demand charges	Rs. 180 / kVA of billing demand / month		
Energy charges			
(i) For the first two lakh units		700	848
(ii) For the balance units		750	898

TOD Tariff applicable to HT2 (a), HT2 (b) and HT2(c) category:**Table 7.36**

Time of day	Increase (+) / reduction (-) the energy charges over the normal tariff applicable
22.00 Hrs to 06.00 Hrs next day	(-) 125 Paise per unit
06.00 Hrs to 18.00 Hrs	0
18.00 Hrs to 22.00 Hrs	+ 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 7.37

Energy charges / Minimum charges	200 paise/ unit subject to an annual minimum of Rs. 1120 per HP / annum.
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Revised:

Table 7.38

Energy charges / Minimum charges	348 paise/ unit subject to an annual minimum of Rs. 1000 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 7.39

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed charges	Rs. 40 / HP / Month of sanctioned load		
Energy charges		200	348

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

Table 7.40

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Fixed charges	Rs. 20 / HP / Month of sanctioned load		
Energy charges		200	348

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

Existing:

Table 7.41

Details	Tariff
Energy charges / minimum charges	400 paise/ unit subject to an annual minimum of Rs. 1120 per HP / annum.

Revised:

Table 7.42

Details	Tariff
Energy charges/ minimum charges	548 paise/ unit subject to an annual minimum of Rs. 1102 per HP / annum.

14. HT4- Residential Apartments/ Colonies:

HT - 4: Applicable to all areas.

Table 7.43

Details	Particulars	Existing Tariff (Ps/unit)	Proposed (Ps/unit)
Demand charges	Rs. 110 / kVA of billing demand		
Energy charges		585	733

15. HT5- Temporary Supply:

Existing:

Table 7.44

67 HP and above	
Fixed charges	Rs.220/HP/month for the entire sanctioned load/contract demand.
Energy Charge	950 paise/ unit.

Proposed:**Table 7.45**

67 HP and above	
Fixed charges	Rs.220/HP/month for the entire sanctioned load/contract demand
Energy Charge	1098 paise/ unit

Other Issues:**Wheeling Charges****Wheeling within BESCO area:**

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. Based on the approved ARR for distribution business, the wheeling charges to each voltage level is worked out as under:

Wheeling charges**Table No: 7.46**

Distribution ARR-Rs. Crs	1,696.51
Sales-MU	26364
Wheeling charges- paise/unit	64.35
Paise/unit	
HT-network	19.30
LT-network	45.04

In addition to the above, the following technical losses are applicable to all open access/wheeling transactions:

Table No: 7.47

Loss allocation	% loss
HT	3.61
LT	5.45

Note: Total loss is allocated to HT, LT & Transformation loss based on energy flow diagram.

The actual wheeling charges payable (after rounding off) will depend upon the point of injection & point of drawal as under:

Table No: 7.48

		Paise/unit	
Injection point →		HT	LT
Drawal point			
	HT ↓	19.30 [3.61%]	64.35 [9.06%]
	LT	64.35 [9.06%]	45.04 [5.45%]

Note: Figures in brackets are applicable loss

The wheeling charges as determined above are applicable to all the open access/wheeling transactions for using the BESCO network, except for energy wheeled from NCE sources to the consumers in the State.

ii) Cross subsidy surcharge:

BESCO has not proposed cross subsidy surcharge in its filings. However, the Commission in its MYT Regulations has specified the methodology for calculating the cross subsidy surcharge. Based on the above methodology, the category wise cross subsidy will be as indicated below:

Table No: 7.49

Particulars	HT-1 Water Supply	HT-2a Indust ries	HT-2b Comme rcial	HT2©	HT3(a) Lift irrigatio n	HT3(b) Irrigatio n and Agricultu ral Farms	HT-4 Residenti al Apartme nts	HT5 Tempor ary
Average Realisation rate- Paise/unit @ existing rate	467.28	737.47	911.43	771.38	211.03	700.00	618.49	1054.43
proposed tariff hike	148	148	148	148	148	148	148	148
Average Realisation rate- Paise/unit	615.28	885.47	1059.43	919.38	359.03	848.00	766.49	1202.43
Cost of supply @ 66kV and above level	557.65	557.65	557.65	557.65	557.65	557.65	557.65	557.65
Cross subsidy surcharge paise/unit @ 66kV and above level	57.62	327.82	501.78	361.73	-198.62	290.35	208.84	644.78
20% of the tariff applicable to the category of the consumers	123.06	177.09	211.89	183.88	71.81	169.60	153.30	240.49
Cross subsidy surcharge limited to 20% of the tariff applicable	57.62	177.09	211.89	183.88	-198.62	169.60	153.30	240.49
Cost of supply @ HT level	599.96	599.96	599.96	599.96	599.96	599.96	599.96	599.96
Cross subsidy surcharge paise/unit @ HT level	15.31	285.51	459.47	319.42	-240.93	248.04	166.53	602.47
20% of the tariff applicable to the category of the consumers	123.06	177.09	211.89	183.88	71.81	169.60	153.30	240.49
Cross subsidy surcharge limited to 20% of the tariff applicable	15.31	177.09	211.89	183.88	-240.93	169.60	153.30	240.49

The cross subsidy surcharge is determined as under:

Table No: 7.50

Voltage level	Paise/unit						
	HT-1	HT-2a	HT-2b	HT-2C	HT-3b	HT-4	HT-5
66 kV & above	57.62	177.09	211.89	183.88	169.60	153.30	240.49
HT level-11 kV/33kV	15.31	177.09	211.89	183.88	169.60	153.30	240.49