#  CHAPTER – 7

# DETERMINATION OF TARIFF FOR FY-22

#### 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) | 8.14 | 9.55 |

Subject to a monthly minimum of Rs. 60 per installation per month.

#### 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  | 70 | For the first KW  |  115 |
| For every additional KW  | 80 | For every additional KW  |  125 |
| Energy Charges | For the first 30 units  | 4.00 | 1-30 all units | 3.40 |
| 31 to 100 units | 5.45 | 1-100 all units  | 4.80 |
| 101 to 200 units | 7.00 | 1-200 all units  | 5.80 |
| Above 200 units | 8.05 | 1-300 all units | 6.75 |
|  |  | 1-400 all units | 7.50 |
|  |  | >401(all units) | 7.75 |

**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  | 55 |  100 |
| For every additional KW  | 70 | 115 |
| Energy Charges | For the first 30 units  | 3.90 | 3.90 |
| 31 to 100 units | 5.15 | 5.15 |
| 101 to 200 units | 6.70 | 6.70 |
| Above 200 units | 7.55 | 7.55 |

#### 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.85 Per KW subject to a minimum of Rs.110 PM | Rs.135 Per KW subject to a minimum of Rs.155 PM |
| Energy Charges | 0-200 units | 7.20 | 7.20 |
| Above 200 units | 8.45 | 8.45 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Details** | **Particulars** | **Existing Tariff (Rs/unit)** | **Proposed (Rs/unit)** |
| Fixed Charges per Month  |  | Rs.75 Per KW subject to a minimum of Rs.95 PM | Rs.125 Per KW subject to a minimum of Rs.145 PM |
| Energy Charges | 0-200 units | 6.65 | 6.65 |
| Above 200 units | 7.90 | 7.90 |

#### 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.

|  |  |  |  |
| --- | --- | --- | --- |
| **Details** | **Particulars** | **Existing Tariff (Rs/unit)** | **Proposed (Rs/unit)** |
| Fixed charges per Month |  |  Rs. 90 per KW  |  Rs. 140 per KW  |
| Energy Charges | For the first 50 units  | 8.25 | 8.25 |
| For the balance units  | 9.25 | 9.25 |

**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.105 per KW   | Rs. 165 per KW    |
| Energy Charges | For the first 50 units  | 8.25 | 8.25 |
| For the balance units | 9.25 | 9.25 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Details** | **Particulars** | **Existing Tariff (Rs/unit)** | **Proposed (Rs/unit)** |
| Fixed charges per Month |  | Rs. 80 per KW | Rs. 130 per KW |
| 5Energy Charges | For the first 50 units | 7.75 | 7.75 |
| For the balance units |  8.75 | 8.75 |

**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. 145 per KW  |
| Energy Charges | For the first 50 units  | 7.75 | 7.75 |
| For the balance units  | 8.75 | 8.75 |

#### 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  | 4.20 |

**Proposed:**

|  |  |
| --- | --- |
| **Particulars** | **(Rs/Unit)** |
| Fixed charges | Free |
| Energy charges |
| Commission Determined Tariff (CDT) for LT-4 (a) category is  | 5.90 |

**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. |  80 |  125 |
| Energy charges |   | 3.75 | 3.75 |

 **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. per HP per month |  70 |  115 |
| Energy charges |   | 3.75 | 3.75 |

**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. per HP per month |  80 |  125 |
| Energy charges |   | 3.75 | 3.75 |

#### LT-5 - LT Industries:

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

1. **Fixed Charges:**

**Existing**

|  |  |
| --- | --- |
| **Details** | **Particulars** |
| Fixed Charges per Month | i) Rs. 65 per HP for 5 HP & belowii) Rs. 70 per HP for above 5 HP & below 40 HPiii) Rs. 90 per HP for 40 HP & above but below 67 HPiv) Rs. 150 per HP for 67 HP & above |

**Proposed**

|  |  |
| --- | --- |
| **Details** | **Particulars** |
| Fixed Charges per Month | i) Rs. 110 per HP for 5 HP & belowii) Rs. 115 per HP for above 5 HP & below 40 HPiii) Rs. 135 per HP for 40 HP & above but below 67 HPiv) Rs. 195 per HP for 67 HP & above |

1. **Demand based Tariff (optional):**

**Existing**

|  |  |  |
| --- | --- | --- |
| **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 |

**Proposed**

|  |  |  |
| --- | --- | --- |
| **Demand Based Tariff** | Above 5 HP and less than 40 HP | Rs. 145 per KW of billing demand |
| 40 HP and above but less than 67 HP | Rs. 165 per KW of billing demand |
| 67 HP and above | Rs. 250 per KW of billing demand |

1. **Energy Charges:**

|  |  |  |
| --- | --- | --- |
| **Particulars** | **Existing Tariff (Rs./unit)** | **Proposed (Rs./unit)** |
| For the first 500 units | 5.90 | 5.90 |
| Above 500 units | 7.20 | 7.20 |

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

1. **Fixed Charges:**

**Existing**

|  |  |
| --- | --- |
| **Details** | **Particulars**  |
| Fixed Charges per Month | i) Rs. 55 per HP for 5 HP & belowii) Rs. 65 per HP for above 5 HP & below 40 HPiii) Rs. 85 per HP for 40 HP & above but below 67 HPiv) Rs. 135 per HP for 67 HP & above |

**Proposed**

|  |  |
| --- | --- |
| **Details** | **Particulars**  |
| Fixed Charges per Month | i) Rs. 100 per HP for 5 HP & below.ii) Rs. 110 per HP for above 5 HP & below 40 HP.iii) Rs.130 per HP for 40 HP & above but below 67 HP.iv) Rs. 180 per HP for 67 HP & above. |

1. **Demand based Tariff (optional):**

**Existing**

|  |  |  |
| --- | --- | --- |
| **Details** | **Description** | **Approved Tariff** |
| Demand Based Tariff | 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**

|  |  |  |
| --- | --- | --- |
| **Details** | **Description** | **Proposed Tariff** |
| Demand Based Tariff | Above 5 HP and less than 40 HP | Rs. 140 per KW of billing demand |
| 40 HP and above but less than 67 HP | Rs. 150 per KW of billing demand |
| 67 HP and above | Rs. 240 per KW of billing demand |

1. **Energy Charges:**

|  |  |  |
| --- | --- | --- |
| **Particulars** | **Existing Tariff (Rs./unit)** | **Proposed (Rs./unit)** |
| For the first 500 units | 5.60 | 5.60 |
| 501 to 1000 units | 6.55 | 6.55 |
| Above 1000 units | 6.85 | 6.85 |

 **TOD Tariff (Optional):**

|  |  |
| --- | --- |
| **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 | (+) 100 paise per unit |
| 22.00 Hrs to 06.00 Hrs next day | (-) 100 paise per unit |

#### 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.85/HP/month  |  Rs.130/HP/month |
| Energy charges | 4.85 | 4.85 |

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

|  |  |  |
| --- | --- | --- |
| **Details** | **Existing Tariff (Rs./unit)** | **Proposed (Rs./unit)** |
| Fixed charges per Month |  Rs.100/KW/month |  Rs.145/KW/month |
| Energy charges | 6.55 | 6.55 |

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

|  |  |  |
| --- | --- | --- |
| **Details** | **Existing Tariff (Rs./unit)** | **Proposed (Rs./unit)** |
| Fixed charges per Month | Rs.100/KW/month  |  Rs.145/KW/month  |
| Energy charges | 5.50 | 5.50 |

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

**HT**

|  |  |  |
| --- | --- | --- |
| **Details** | **Existing Tariff (Rs./unit)** | **Proposed (Rs./unit)** |
| Fixed charges per Month | Rs.200/KW/month |  Rs.200/KW/month |
| Energy charges | 5.00 | 5.00 |

**LT**

|  |  |  |
| --- | --- | --- |
| **Details** | **Existing Tariff (Rs./unit)** | **Proposed (Rs./unit)** |
| Fixed charges per Month | Rs.70/KW/month  |  Rs.70/KW/month  |
| Energy charges | 5.00 | 5.00 |

#### LT 7- Temporary Installations:

**LT-7(a):**

**Existing:**

|  |  |
| --- | --- |
| **Details** | **Approved Tariff** |
| Less than 67 HP: | Energy charge at **1100 paise/unit** subject to a weekly minimum of **Rs.225 per KW** of the sanctioned load. |

**Proposed:**

|  |  |
| --- | --- |
| **Details** | **Proposed Tariff** |
| Less than 67 HP: | Energy charge at **1300 paise unit** subject to a weekly minimum of **Rs. 270 per KW** of the sanctioned load. |

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

**Existing:**

|  |  |
| --- | --- |
| **Details** | **Approved Tariff** |
| Less than 67 HP: | Fixed Charges at Rs.100 per KW/month Energy Charges at 1100 paise/unit. |

**Proposed:**

|  |  |
| --- | --- |
| **Details** | **Proposed Tariff** |
| Less than 67 HP: | Fixed Charges at Rs.170 per KW/month Energy Charges at 1300 paise/unit. |

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

|  |  |  |
| --- | --- | --- |
| **Details** | **Existing Tariff (Rs./unit)** | **Proposed (Rs./unit)** |
| Demand charges | Rs. 220 / kVA of billing demand / month | Rs. 280 / kVA of billing demand / month |
| Energy charges | 5.45 | 5.45 |

**TOD Tariff (Optional):**

|  |  |
| --- | --- |
| **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 | (+) 100 paise per unit |
| 22.00 Hrs to 06.00 Hrs next day | (-) 100 paise per unit |

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

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

|  |  |  |
| --- | --- | --- |
| **Details** | **Existing Tariff (Rs./unit)** | **Proposed (Rs./unit)** |
| Demand charges | Rs. 230 / kVA of billing demand / month | Rs. 290 / kVA of billing demand / month |
| Energy charges |   |   |
| For the first one lakh units | 7.35 | 7.35 |
| For the balance units | 7.65 | 7.65 |

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

|  |  |  |
| --- | --- | --- |
| **Details** | **Existing Tariff (Rs./unit)** | **Proposed (Rs./unit)** |
| Demand charges | Rs. 220/ kVA of billing demand /month | Rs. 280/ kVA of billing demand /month |
| Energy charges |   |   |
| For the first one lakh units | 7.25 | 7.25 |
| For the balance units | 7.45 | 7.45 |

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

|  |  |  |
| --- | --- | --- |
| **Details** | **Existing Tariff (Rs./unit)** | **Proposed (Rs./unit)** |
| Demand charges | Rs. 230 / KVA of billing demand/ month | Rs. 230/ KVA of billing demand/ month |
| Energy charges for all the units | 6.45 | 6.45 |

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

|  |  |  |
| --- | --- | --- |
| **Details** | **Existing Tariff (Rs./unit)** | **Proposed (Rs./unit)** |
| Demand charges | Rs. 230/ KVA of billing demand/ month | Rs. 230/ KVA of billing demand/ month |
| Energy charges for all the units | 6.85 | 6.85 |

**BMRCL Tariff:**

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

#### 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. 250 / kVA of billing demand / month | Rs. 315/ kVA of billing demand / month |
| Energy charges  |  |  |
| (i) For the first two lakh units | 9.15 | 9.15 |
| (ii) For the balance units | 9.25 | 9.25 |

**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. 240 / kVA of billing demand/ month | Rs. 305 / kVA of billing demand/ month |
| Energy charges |  |  |
| (i) For the first two lakh units | 8.95 | 8.95 |
| (ii) For the balance units | 9.05 | 9.05 |

#### 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. 220 / kVA of billing demand/ month | Rs. 285 / kVA of billing demand/ month |
| Energy charges |   |   |
| (i) For the first two lakh units | 7.10 | 7.10 |
| (ii) For the balance units | 7.50 | 7.50 |

**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. 220 / kVA of billing demand / month | Rs. 285 / kVA of billing demand / month |
| Energy charges  |  |  |
| (i) For the first two lakh units | 8.10 | 8.10 |
| (ii) For the balance units | 8.50 | 8.50 |

**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 | (+) 100 paise per unit |
| 22.00 Hrs to 06.00 Hrs next day | (-) 100 paise per unit |

#### 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 | **300 paise/ unit** subject to an annual minimum of **Rs. 1600 per HP /** annum. |

**Proposed:**

|  |  |
| --- | --- |
| Energy charges/ Minimum charges | 300 paise**/unit** subject to an annual minimum of **Rs. 1700 per HP /** annum. |

**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 |  HP / Month of sanctioned load |  80 |  140 |
| Energy charges |   | 3.00 | 3.00 |

**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 |  HP / Month of sanctioned load |  60 |  120 |
| Energy charges |   | 3.00 | 3.00 |

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

**Existing:**

|  |  |
| --- | --- |
| **Details** | **Tariff** |
| Energy charges /minimum charges | **500 paise/ unit** subject to an annual minimum of **Rs. 1600 per HP /**annum. |

**Proposed:**

|  |  |
| --- | --- |
| **Details** | **Tariff** |
| Energy charges/ minimum charges | **500 paise/ unit** subject to an annual minimum of Rs. **1700 per HP /** annum. |

#### HT-4- Residential Apartments/ Colonies:

**HT – 4:** Applicable to all areas.

|  |  |  |
| --- | --- | --- |
| **Details** | **Existing Tariff (Rs./unit)** | **Proposed (Rs./unit)** |
| Demand charges | Rs. 140 / kVA of billing demand | Rs. 210 / kVA of billing demand |
| Energy charges | 6.95 | 6.95 |

#### HT-5- Temporary Supply:

**Existing:**

|  |
| --- |
| **67 HP and above** |
| Fixed charges | Rs.275/HP/month for the entire sanctioned load/contract demand. |
| Energy Charges | 1100 paise/ unit. |

**Proposed:**

|  |
| --- |
| **67 HP and above** |
| Fixed charges | Rs.475/HP/month for the entire sanctioned load/contract demand |
| Energy Charges | 1270.5 paise/ unit  |

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

**Existing:**

|  |
| --- |
| **67 HP and above** |
| Fixed charges | Not Applicable |
| Energy Charges | 1200 paise/ unit. |

**Proposed:**

|  |
| --- |
| **67 HP and above** |
| Fixed charges | Not applicable |
| Energy Charges | 1370.5 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.

1. **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-22 applicable to all open access/wheeling transactions and also to RE source as summarized in following table:

|  |  |
| --- | --- |
| Distribution ARR-Rs. Crs. | 3538.08 |
| Sales-MU | 25616.08 |
| Wheeling charges-ps./unit | 138.12 |
| Paise/unit |
| HT-network | 41.44 |
| LT-network | 96.68 |

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 | 3.45 |
| LT | 7.33 |

1. **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:



Cross subsidy surcharge is proposed as under:



1. **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 FY22 is Rs. 2.09/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 | 570.69 | 5114.83 | 19930.55 | 25616.07 |
| Distribution Losses | MU | 6.43 | 333.65 | 3070.56 | 3410.64 |
| Net IF energy | MU | 577.12 | 5448.48 | 23001.11 | 29026.71 |
| Transmission Loss | % | 3.10% | 3.10% | 3.10% |   |
| Net Energy at Gen | MU | 595.60 | 5622.90 | 23737.45 | 29955.95 |
| Dist of Energy input | % | 2.0% | 18.8% | 79.2% | 100.0% |
| PP Cost | Rs.in Cr. | 17629.57 |   |   | 17629.57 |
| Dist of PP Cost | Rs.in Cr. | 350.52 | 3309.17 | 13969.88 | 17629.57 |
| Dist of energy sales | % | 2.2% | 20.0% | 77.8% | 100.0% |
| Other Cost (Transmission & Dist. Network) | Rs.in Cr. | 5273.43 |   |   | 5273.43 |
| Dist. Of other cost | Rs.in Cr. | 117.60 | 1053.10 | 4102.73 | 5273.43 |
| Total Cost | Rs.in Cr. | 468.12 | 4362.27 | 18072.61 | 22903.00 |
| Voltage wise per unit Cost | Rs./unit | **8.20** | **8.53** | **9.07** | **8.94** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Particulars** | **Unit** | **110kV & 66 kV** | **11 kV** | **LT** | **Total** |
| PP Cost | Rs.in Cr. |   |   |   | 17629.57 |
| Dist. Of PP Cost | Rs.in Cr. | 350.52 | 3309.17 | 13969.88 | 17629.57 |
| % share |   | 1.99% | 18.77% | 79.24% |   |
| Total Fixed Charges PP | Rs.in Cr. |   |   |   | 9624.37 |
| Voltage wise Fixed Charge | Rs.in Cr. | 191.36 | 1806.55 | 7626.47 | 9624.37 |
| Total Variable Charges | Rs.in Cr. |   |   |   | 8005.19 |
| Voltage wise VC | Rs.in Cr. | 159 | 1502.62 | 6343.41 | 8005.19 |
| other Cost | Rs.in Cr. | 118 | 1053 | 4103 | 5273.43 |
| Total Fixed Expenditure (FC+ Other Cost) | Rs.in Cr. | 308.96 | 2859.65 | 11729.20 | 14897.81 |

|  |  |  |
| --- | --- | --- |
|  | **11 kV and above consumers (HT)** | **LT consumers** |
| FC | 1980.87 | 2876.03 |
| EC | 4275.62 | 10612.43 |
| **Total** | **6256.495** | **13488.46** |
| FC % | 32% | 21% |
| EC% | 68% | 79% |

|  |  |
| --- | --- |
| Proposed fixed charges from HT consumers (D-21) Crores. | 1980.87 |
| Total Fixed Charges to be collected Crores | 3168.61 |
| Estimated Under recovery from Fixed Charges Crores | 1187.73 |
| Additional Surcharge  | 2.09 |

1. **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-22 is as shown in following table.

|  |  |
| --- | --- |
| **Voltage Level** | **Cost of Supply** |
|  EHV (66 kV & above)  | 6.07 |
|  HT Level (22&/or 11 kV) | 7.58 |
|  LT Level | 9.37 |
|  **Total** | **8.94** |