

**Calculation of Additional Surcharge applicable for the period Jan 18 to Mar 18 based on two part tariff (data for the period Jan-2017 to Mar-2017)**

|      |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| i.   | Fixed charges for LS consumers having load = > 1 MW for the period 1.1.2017 to 31.3.2017                                                                                           | Rs. 66.62 Crores (With detail as Annex-2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ii.  | Power drawn (MUs) by the LS consumers having load = > 1 MW for the period 1.1.2017 to 31.3.2017.                                                                                   | 1980.828 MUs (1980.828 x 10 <sup>6</sup> x 0.9 kwh) = 1782745902 kwh<br>(With detail as Annex-2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| iii. | Demand/Fixed Cost that would have been payable by LS consumers during the period. (i/ii) Rs./kwh                                                                                   | 0.37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| iv.  | Proportion of the fixed cost that would have been recovered toward the cost of stranded power.                                                                                     | <ol style="list-style-type: none"> <li>1. Fixed cost as per Sr. No. (xv) of Annexure-I of Petition No 48 of 2017 for 6 months = 4198.59 crore</li> <li>2. Fixed cost for 3 months = 4198.59 / 2 = 2099.29 crore</li> <li>3. Fixed cost of Bathinda Thermal for 3 months = 225.72 / 2 = 112.86 crore (as per Table no. 9.6 of Tariff Order for FY 2016-17)</li> <li>4. Fixed cost of two units of Ropar Thermal for 3 months = 306.79 / (2 x 3) = 51.13 crore (as per Table no. 9.6 of Tariff Order for FY 2016-17)</li> <li>5. Net fixed cost = 2099.29 - (112.86 + 51.13) = 1953.3 Crore</li> <li>6. Distribution fixed cost for 3 months excluding cost of power purchase = 7320.16/ 4 = 1830.04 crore (as per Table no. 9.5 of Tariff Order for FY 2016-17)</li> <li>7. Total fixed cost (5+6) = 1953.3 + 1830.04 = 3783.34 crore</li> <li>8. Proportion of fixed cost= 1953.3 / 3783.34 = 0.516</li> </ol>                                                                                                                                     |
| v.   | Adjustment in Additional Surcharge on account of fixed charges being paid to the distribution licensee as their regular consumers. (iii*iv)                                        | 0.516*0.37= 0.191 Rs/Kwh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| vi.  | Additional Surcharge payable by open access consumers under single Part Tariff structure for the period Jan'18 to Mar'18                                                           | <ol style="list-style-type: none"> <li>a. Average availability for the period Jan 17 to Mar 17 = 8959 MW (as per Annexure-C of petition no. 48 of 2017)</li> <li>b. Net average availability (after subtracting the installed capacity of Bathinda Thermal and 2 units of Ropar Thermal) = 8959 - 880 = 8079 MW</li> <li>c. Net fixed cost = 1953.3 crore (calculated as per point no. 5 above)</li> <li>d. Fixed Cost in Rs/MW (c/b) = 0.242 Rs. Crore/MW</li> <li>e. Open Access Scheduled (Average) for Jan'17 to Mar '17= 0.268 MW (as per Annexure-B of petition no. 48 of 2017)</li> <li>f. Capacity Stranded due to open access for Jan'17 to Mar '17 = 0.268 MW (as per Annexure-B of petition no. 48 of 2017)</li> <li>g. Fixed charges of stranded capacity = 0.242 x 0.268 = 0.065 crore</li> <li>h. Open Access energy scheduled from Jan'17 to Mar'17= 0.58 MUs (as per Annexure-B of petition no. 48 of 2017)</li> <li>i. Additional Surcharge under single part tariff structure = 0.065 crore / 0.58 MUs = Rs. 1.12/Kwh</li> </ol> |
| vii. | Additional Surcharge payable by open access consumers under Two Part Tariff structure (Additional Surcharge payable under Single Part Tariff – Adjustment as per point (v) above). | Rs. 1.12 – 0.19 = Rs. 0.93/Kwh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

| TOTAL        | <b>Report for Ls consumers having load equal to &gt; 1MW<br/>for period 01.01.17 to 31.03.2017 w.f.r. Two part Tariff.</b> |                 |                       |                        |                             |                     |                        |
|--------------|----------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------|------------------------|-----------------------------|---------------------|------------------------|
| CATEGORY     | KVA SLAB                                                                                                                   | NO OF CONSUMERS | SANCTIONED LOAD IN KW | CONTRACT DEMAND IN KVA | FIXED CHARGES (Rs. per KVA) | TOTAL FIXED CHARGES | TOTAL CONSUMPTION KVAH |
| 1            | 2                                                                                                                          | 3               | 4                     | 5                      | 6                           | 7 (5*6)             | 8                      |
| LS (GENERAL) | ABOVE 1000 KVA & UPTO 2500 KVA                                                                                             | 408             | 816823.108            | 711399.892             | 195                         | 138722978.9         | 262583448              |
|              | ABOVE 2500 KVA                                                                                                             | 101             | 1384930.119           | 976446                 | 230                         | 224582580           | 778806167              |
| LS (PIU/ARC) | ABOVE 1000 KVA                                                                                                             | 238             | 1146102.229           | 1026966                | 295                         | 302954970           | 939439165              |
|              |                                                                                                                            |                 |                       |                        |                             | 66.62 Cr.           | 1980.828 MU            |