

**Before the**  
**MAHARASHTRA ELECTRICITY REGULATORY COMMISSION**  
**World Trade Centre, Centre No.1, 13th Floor, Cuffe Parade, Mumbai 400 005**  
**Tel. No. 022 22163964/65/69 – Fax 022 22163976**  
**E-mail mercindia@merc.gov.in**  
**Website: www.mercindia.org.in/www.merc.gov.in**

**Case No. 107 of 2013**

**In the matter of**

**Petition filed by Maharashtra State Electricity Distribution Co Ltd. for determination of Cross Subsidy Surcharge in accordance with the Section 42 (2) and Section 86 (1) of the Electricity Act, 2003 and Regulation 13 of MERC (Distribution Open Access) Regulations, 2005.**

**Shri Vijay L. Sonavane, Member**  
**Smt. Chandra Iyengar, Member**

Maharashtra State Electricity Distribution Company Limited ..... Petitioner

Representative for the Petitioner (s) : Shri Abhijit Deshpande (Rep.)  
Smt. Deepa Chawan (Advocate)

**ORDER**

**Date: 29 October, 2013**

Maharashtra State Electricity Distribution Company Limited (herein after referred to as MSEDCL) filed a Petition on 16 September 2013, seeking determination of cross subsidy surcharge in accordance with the Section 42(2) and Section 86(1)(a) of the Electricity Act, 2003 and Regulation 13 of MERC (Distribution Open Access) Regulations, 2005.

1. The prayers in the Petition are as under:

“

- 1) *To admit the Petition for determination of cross subsidy surcharge accordance with the Section 42(2) and 86(1) of Electricity Act 2003 and Regulation 13 of MERC (Distribution Open Access ) Regulations, 2005;*
- 2) *To approve the cross subsidy surcharge as worked out by MSEDCL which will be applicable for existing as well as new Open Access consumers with effect from 01<sup>st</sup> September 2013;*

- 3) *To allow the petitioner henceforth to re-determine the CSS as may be applicable and recover the same from the Open Access consumers in similar situation in future subject to its post facto approval by the Hon'ble Commission like FAC;*
- 4) *To pass any other order as the Hon'ble Commission may deem fit and appropriate under the circumstances of the case and in the interest of justice.*
- 5) *To condone any error / omission and to give opportunity to rectify the same.*
- 6) *To permit MSEDCL to make further submissions, addition and alteration to this petition as may be necessary from time to time”.*

## **Submissions of the Petitioner**

2. The submissions made by the Petitioner have been summarized below:-

- 2.1. The Commission vide Order dated 9 September, 2011 in the matter of petition filed by MSEDCL regarding cross subsidy surcharge and standby charges for Open Access consumers and in the matter of De novo re-determination of cross subsidy surcharge and issues related to Open Access (Case No. 43 of 2010) has determined the cross subsidy surcharge payable by all the consumers of the Distribution Licensees in Maharashtra, who may opt for Open Access, under MERC (Distribution Open Access) Regulations, 2005.
- 2.2. The Commission has determined consumer category wise cross subsidy surcharge for the consumers of the Petitioner opting for Open Access. The cross subsidy surcharge “S” inter alia depends upon “T”, i.e., the tariff payable by relevant category of consumers, “C”, i.e., the weighted average cost of power purchase of top 5 % of the margin excluding liquid fuel based generation and renewable power, “D”, i.e., the wheeling charges and “L”, i.e., the system losses for the applicable voltage level.
- 2.3. The Commission vide Order dated 16 August, 2012 in Case No. 19 of 2012 approved the final true up for FY 2010-11 and determined the Aggregate Revenue Requirement of FY 2011-12 & FY 2012-13 and Tariff for FY 2012-13.
- 2.4. Further, the Commission vide Order dated 21 February, 2013 in Case No. 138 of 2012 re-determined the cross subsidy surcharge for MSEDCL in accordance with the Tariff Order dated 16 August, 2012 in Case No. 19 of 2012.
- 2.5. The Petitioner further submitted that the Commission vide Order dated 5 September, 2013 in Case No. 95 of 2013 has Suo motu determined the supplementary charges to be recovered by MSEDCL to give effect to other Orders. The relevant extract from the above referred Order is as under:

*“The Commission directs MSEDCL to recover two additional charges from its consumers, in the form of additional energy charge:*

- a. *To recover the accumulated under-recovery of Rs. 2037.78 Crore accrued till the month of August 2013, which shall be levied by MSEDCL for a period of six (6) months with effect from the month of September 2013 till the month of February 2014. Category wise Additional Energy Charge (AEC-1) to be levied*

*to all consumer categories in the proportion to the approved Average Billing Rate of respective consumer categories, under intimation to the Commission.*

- b. To recover monthly fixed expense of Rs. 235.39 Crore. This shall be levied by MSEDCL from the month of September 2013 to its consumers on a monthly basis till further determination of MSEDCL tariff by this Commission. Category wise Additional Energy Charge (AEC-2) to be levied to all consumer categories in the proportion to the approved Average Billing Rate of respective consumer categories, under intimation to the Commission.*
- c. Further, the Commission hereby rules that from this Order onwards MSEDCL will recover the variation in energy charge component of the amount billed by MSPGCL to MSEDCL as approved by the Commission from the consumers through the FAC mechanism. Similarly, the Commission allows MSEDCL to recover the variation in fixed charge component of the amount billed by MSPGCL and amount billed by MSETCL to MSEDCL as approved by the Commission from the consumers in proportion to the approved Average Billing Rate of respective consumer categories, under intimation to the Commission. ”*

2.6. The Petitioner submitted that to give effect to the directives of the Commission, Additional Energy Charges (AEC) & Fuel Adjustment Cost (FAC) are being levied in the monthly energy bills of MSEDCL consumers w.e.f. September, 2013. Accordingly, Average Billing Rate (ABR) of existing consumers of MSEDCL is going to increase. The increase in ABR of the consumers further results in increase in cross subsidy surcharge being paid/ payable by the existing Open Access consumers. Thus, cross subsidy surcharge should be re-determined by the Commission, which shall be paid by consumer availing Open Access at that point of time.

2.7. The Petitioner referred Regulation 13 of the MERC (Distribution Open Access) Regulations, 2005 which states as under:

*13.1 Every consumer and person requiring supply of electricity who has been granted open access in accordance with these Regulations shall be liable to pay a cross subsidy surcharge, as may be stipulated, as a condition for availing of open access:*

*Provided that such cross-subsidy surcharge shall be based on the current level of cross subsidy of the tariff category / tariff slab and/ or voltage level to which such consumer or person belong or are connected to, as the case may be, and shall not be leviable if such tariff category / tariff slab or voltage level of connection does not bear any current level of cross-subsidy:*

.....

.....

*13.8 The Commission shall, based on the approved current level of cross subsidy, stipulate the cross subsidy surcharge for each approved tariff category and/or sub-category and/or tariff slab, of the Distribution Licensee.*

2.8. The Petitioner further submitted that Section 86 (1)(a) of the Electricity Act, 2003 mandates the Commission to determine “Cross Subsidy Surcharge”, “Additional

Surcharge” & other applicable charges payable by the consumers opting for Open Access. The National Electricity Policy notified by the Central Government stipulates that “Under sub Section (2) of Section 42 of the Electricity Act, 2003, a surcharge is to be levied by the respective State Commissions on consumers switching to alternate supplies under Open Access.” The policy specifies that cross subsidy surcharge is to compensate the host distribution licensee serving such consumers who are permitted Open Access under Section 42 (2) of EA 2003, for loss of cross subsidy element built into the tariff of such consumers.

The National Tariff Policy further provides the “Surcharge Formula” as follows:-

$$S = T - [C (1+ L / 100) + D]$$

**Where,**

**S:** Surcharge

**T:** Tariff payable by relevant category of consumers is different

**C:** Weighted average cost of Power Purchase of top 5% at the margin excluding liquid fuel based generation and renewable power.

**D:** Wheeling charge

**L:** System losses for the applicable voltage level, expressed as a percentage

2.9. In the present Petition, MSEDCL calculated the cross subsidy surcharge payable by different consumers categories opting for Open Access based on the approvals accorded by the Commission in Order dated 16 August, 2012 in Case No. 19 of 2012, the Order dated 21 February, 2013 in Case No. 138 of 2012, the Order dated 13 May, 2013 in Case No. 56 of 2013 (InSTS Transmission Network charges & Loss) and the Order dated 05 September, 2013 in Case No. 95 of 2013. The detailed working of the same is given below:

2.9.1. The computation of “C” is based on the power purchase quantum and cost per unit for FY 2012-13 as approved in the Order dated 16 August, 2012 in Case No. 19 of 2012. MSEDCL has considered the Merit Order Stack of power purchase as presented in the table below considering the power purchase approved in the said Order.

**Table 1: Merit order Stack for FY 2012-13 submitted by MSEDCL**

<b>Stations</b>	<b>Power Purchase (MUs)</b>	<b>Avg. Cost (Rs/Unit)</b>
RGPPPL	5,256	5.81
MSPGCL Parli 6	1,426	5.26
Short Term through Exchange / Trader	10,675	4.50
MSPGCL-Nasik	3,483	4.50
NTPC-GANDHAR	1,020	4.33
CPP	900	4.25
Paras 3	1,426	4.19

Stations	Power Purchase (MUs)	Avg. Cost (Rs/Unit)
NTPC-VSTP IV	381	4.17
MSPGCL-Bhusawal	2,348	4.14
Medium Term	3,141	4.10
NTPC- KAWAS GAS	1,080	4.10
NTPC-Kahalgaon STPS II	720	4.09
MSPGCL-Parli Unit 7	1,426	4.08
MSPGCL-Paras Unit 4	1,426	3.73
MSPGCL-Koradi	3,466	3.62
IPP - JSW	1,934	3.54
MSPGCL-Parli	3,502	3.53
MSPGCL-Khaparkheda	4,751	3.43
NPCIL-TAPP 3&4	3,293	3.01
NTPC- KSTPS III	687	2.73
MSPGCL-Chandrapur	13,362	2.66
Bhusawal Unit 5	797	2.58
NTPC-VSTP III	2,400	2.56
Adani Power	1,143	2.55
Bhusawal Unit 4	797	2.55
MSPGCL-Uran	4,111	2.47
NPCIL-KAPP	760	2.37
Mundra UMPP	1,738	2.26
NTPC-VSTP I	3,516	2.23
NTPC-VSTP II	2,940	2.20
DODSON I	42	2.18
SSP	990	2.05
PENCH	72	2.05
NTPC-Sipat TPS	4,983	2.04
Khaperkheda Unit 5	1,910	2.01
DODSON II	89	1.73
MSPGCL-Hydel	3,430	1.46
NTPC- KSTPS	5,400	1.41
NPCIL-TAPP 1&2	1,280	1.06
<b>TOTAL PP EXCLUDING NCE</b>	<b>102,103</b>	
Non Conv. Energy Excl CPP	7744	4.52
<b>Total PP INCLUDING NCE</b>	<b>109847</b>	<b>3.39</b>

Computation of “C” is based on the price of power from these sources and would need to be the weighted average power purchase cost of top 5% quantum of power at margin. Therefore, MSEDCL has considered Rs. 5.81 per kWh as weighted average cost of top 5% of the total power purchase.

**Table 2: Computation of C**

Station	Quantum(MUs)	Avg. Cost Rs./Unit
RGPPL	5105	5.81
<b>Wt Avg Cost C</b>	<b>5105</b>	<b>5.81</b>

2.9.2. Computation of System Loss “L” is based on approved wheeling losses at the respective voltage level and transmission losses, which are then grossed up to arrive at total system losses for the Petitioner as shown in the following table:

**Table 3: Applicable system losses submitted by MSEDCL**

Particulars	EHV Level	33 kV	22/11 kV	LT Level
Transmission Losses* (%)	4.19%	4.19%	4.19%	4.19%
Wheeling Loss LT (%)	0.00%	6.00%	9.00%	12.50%
Total System Losses (%)	4.19%	9.94%	12.81%	16.17%

\* Transmission loss is revised to 4.19% w.e.f. 1 April, 2013 vide MERC Order dated 13 May, 2013 in Case No. 56 of 2013

2.9.3. MSEDCL submitted that it has considered wheeling charge “D” as per the approval in Order dated 16 August, 2012 in Case No. 19 of 2012, as shown in the following table:

**Table 4. Applicable Wheeling charges submitted by MSEDCL**

Particulars	EHV Level	33 kV	22/11 kV	LT Level
Wheeling charges (Rs/unit)	0	0.11	0.60	1.03

2.9.4. Computation of Average Billing Rate (ABR) “T” has been considered as per effective average energy charge (AEC) as approved by the Order dated 5 September, 2013 in Case No. 95 of 2013. The revised ABR Calculation is enclosed in the Annexure-I.

2.9.5. Cross Subsidy Surcharge “S”: MSEDCL accordingly computed the category wise cross subsidy surcharge with components ABR, C, L & D as derived above.

3. The Petitioner further made additional submissions regarding the matter vide Affidavit dated 23 September, 2013 as summarized below:

3.1. The Commission has approved MSEDCL power purchase cost for FY 2012-13 vide Order dated 16 August, 2012 in Case No. 19 of 2012. The costliest power purchase of MSEDCL was from RGPPL at Rs. 5.81 per unit. Further to determine CSS, weighted average of 5% of the costliest power of the total power purchase is considered to derive the “C” component. Therefore, the Petitioner has relied on the RGPPL power purchase cost which contributes more than 5% of the total power purchase. MSEDCL further submitted that the Commission may consider this CSS computation as MSEDCL’s OPTION-I for re-determination of cross subsidy surcharge.

3.2. MSEDCL also submitted OPTION II for re-determination of CSS based on actual audited power purchase data for FY 2012-13. which shows that;

- a) MSEDCL’s total power purchase for FY 2012-13 = 99068 MUs
- b) MSEDCL’s total power purchase cost for FY 2012-13 = Rs. 37808 Crores.
- c) MSEDCL’s total power purchase from RGPPL = 4904 MUs (4.95%).

d) RGPPL power purchase cost = Rs. 2133 Crores.

= Rs. 4.35 per unit

3.3. RGPPL power remains the costliest power and the quantum is around 5% of the total power purchase. Considering the actual data, the cost per unit for the 5% costliest power is Rs. 4.35 per unit for FY 2012-13. Therefore, MSEDCL submitted that considering the actual audited data, the Commission should consider the "C" of Rs. 4.35 per unit for re-determination of CSS. Based on this, MSEDCL has submitted the revised CSS as OPTION-II.

4. In this regard, the Commission issued a Notice on 19 September, 2013 and scheduled a hearing on 27 September, 2013. MSEDCL was directed to serve copies of the Petition to the authorised Consumer Representatives.
5. During the hearing held on 27 September, 2013, Smt. Deepa Chawan, Advocate and Shri. Abhijeet Deshpande, Executive Director (Commercial) appeared on behalf of the Petitioner. Authorised Consumer Representative Shri. R.B.Goenka of VIA was also present during the hearing. Shri. Abhijeet Deshpande made a presentation to the Commission on MSEDCL's Petition.
6. Shri. R.B.Goenka of VIA gave reference to the para 8.3 of the Commission Order dated 21 February, 2013 in Case No. 138 of 2012, wherein it is stated that *"however the Commission opines that Road Map to reduce cross subsidy in Maharashtra is the key consideration for determination of CSS. Therefore, Commission directed MSEDCL to submit the roadmap to reduce cross subsidy and to reduce cross subsidy surcharge along with its MYT petition."* Shri R.B. Goenka submitted that MSEDCL did not submit its Road Map for reduction in cross subsidy till the date of this hearing. He said that MSEDCL's prayer to the Commission may be rejected to re-determine CSS as may be applicable and recover the same from OA consumer in future, subject to post facto approval by the Commission like FAC. He opined that this is not supported by legal provisions of EA 2003, Tariff Policy and Regulations made there under.
7. Smt. Deepa Chawan, Advocate representing the Petitioner submitted that in the present petition, the Petitioner is limiting to the prayer No. 1 & 2. MSEDCL is not pressing on prayer No.3 made in the Petition.

#### **Commission's Views**

8. Having heard the parties and after considering the materials placed on record, the Commission analyses the issues raised by the Petitioner and forms views on each of these issues in the following Para's.
9. Inclusion of Additional Energy Charge (AEC) in ABR for computation of CSS:
  - 9.1. The Commission accepts that the ABR has increased due to approval of additional recoverable amounts of MSPGCL from MSEDCL. This needs to be recovered by MSEDCL from the existing consumers. The Commission has approved these additional amounts vide Order dated 5 September, 2013 in Case No. 95 of 2013. The Commission has specified that these additional amounts need to be recovered through additional energy charge (AEC).

9.2. These are additional tariff items which have led to increase in ABR thus impacting the CSS. Therefore, the existing ABR is higher than the ABR as per the Order dated 21 February, 2013 in Case No. 138 of 2012 for determination of CSS. Since these amounts were approved after the issue of Order dated 21 February, 2013 on determination of CSS referred above, this couldn't be incorporated. The same is incorporated in the ABR in this Order for determination of CSS. Thereafter, the Commission sought the computation of AEC considered in the petition. AEC-1 & AEC-2 as per the Commission's Order dated 5 September, 2013 in Case No. 95 of 2013 were validated from the MSEDCL's submissions and considered as an addition to the ABR. The revised ABR considering AEC-1 & AEC-2 is provided in Annexure I.

9.3. AEC-1 & AEC-2 is being levied as per the Order in Case No. 95 of 2013 for a period of six months with effect from 1 September 2013 till 28 February 2014. Hence, the Commission has considered AEC-1 & AEC-2 as part of ABR only till 28 February 2014 for CSS determination.

#### 10. Inclusion of FAC in ABR for determination of CSS:-

10.1. The Commission observes that FAC was not included in the ABR while determining CSS in any of the past Orders of MSEDCL, i.e., Case No. 43 of 2010 and Case No. 138 of 2012. FAC changes periodically and is not same for all the months of a year. It is also possible that FAC can be a negative number in some of the months in a year. Therefore, considering FAC in determination of CSS would result into frequent change of CSS.

10.2. A frequent change in CSS is not envisaged and deterrent to the Open Access regime under the EA 2003. Further, the Commission only post-facto approves the FAC by scrutinizing the FAC statements obtained and submitted by the utilities. Due to this, the Commission views that FAC cannot be included in the ABR for determination of CSS.

11. Consideration of MSEDCL's OPTION II: - The Commission views that the approved power purchase has been considered in the previous Orders for determination of CSS. However, MSEDCL has requested to consider actual audited power purchase cost for computing "C", i.e., power purchase cost of top 5% quantum of power at margin. The Commission highlights that unless the power purchase cost is analysed and approved vide a tariff or true up Order, the same may not be prudent to be considered for determination of CSS. Therefore, the Commission retains its methodology for considering approved power purchase as was adopted in the previous Orders for determination of CSS. Thus, for computation of cross subsidy surcharge, the power purchase as approved by the Commission in the Tariff Order dated 16 August, 2012 in Case No. 19 of 2012 has been considered.

12. Views on Prayer 3 of the Petitioner: - The Advocate representing the Petitioner during the hearing scheduled on 27 September, 2013 on the case, submitted that MSEDCL is not pressing for Prayer No. 3. Therefore, the Commission has not considered the prayer for this Order.

13. Based on the above views the Commission has undertaken the determination of CSS as provided in the subsequent Para's.

## Computation of CSS

14. The Commission has decided to retain the computation methodology followed in its Order dated 9 September, 2011 in Case No. 43 of 2010, wherein, the Commission computed the CSS based on the formula specified in the Tariff Policy.
15. **Computation of “C”** for MSEDCL is based on the approved power purchase quantum and cost per unit from the Order dated 16 August 2012 in Case No. 19 of 2012. The merit order stack for the approved power purchase excluding renewable source, as also submitted by the Petitioner is provided in the table below:-

**Table 5: Merit order Stack for FY 2012-13 (Approved by the commission)**

Stations	Power Purchase (MUs)	Avg. Cost (Rs/Unit)
RGPPL	5,256	5.81
MSPGCL Parli 6	1,426	5.26
Short Term through Exchange / Trader	10,675	4.50
MSPGCL-Nasik	3,483	4.50
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MSPGCL-Koradi	3,466	3.62
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MSPGCL-Parli	3,502	3.53
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NPCIL-TAPP 1&2	1,280	1.06
<b>TOTAL PP EXCLUDING NCE</b>	102,103	
Non Conv. Energy Excl CPP	7744	4.52
<b>Total PP INCLUDING NCE</b>	<b>109847</b>	<b>3.39</b>

From the above table, it is observed that power purchase from RGPPL constitute around top 5.15% of the total power purchase excluding purchase from renewable sources. Therefore, “C” has been computed as Rs 5.81/kWh, representing the weighted average power purchase cost of top 5% at the margin.

16. **Average Billing Rate (ABR) “T”** Average Billing Rate for each of the category of consumers of the Petitioner has been considered as the effective average billing rate as approved by the Commission by Order dated 16 August, 2012 for the year FY 2012-13 in Case No. 19 of 2012 and considering the Additional Energy Charges (AEC) as described in Para 9 above. Further, the FAC is not considered in the ABR due to the reason already specified in Para 10 above.

17. **System Loss “L”:** Following the methodology adopted in its Order dated 9 September, 2011 (Case No. 43 of 2010), the Commission considers approved wheeling losses at the voltage level of the consumer category and transmission losses corresponding to the identified source of power purchase representing the weighted average cost of power purchase of top 5% at margin as system losses, i.e., “L”. Intra-state transmission losses have been considered as the sources identified for computation of “C” pertain to generation sources connected to the intra-state network as approved in Order dated 13 May, 2013 in Case No. 56 of 2013.

**Table 6: Computation of System losses (Approved by the Commission)**

Particulars	EHV Level	33 kV	22/11 kV	LT Level
Transmission Losses (%)	4.19%	4.19%	4.19%	4.19%
Wheeling Loss LT (%)	0.0%	6.00%	9.00%	12.50%
Total System Losses (%)	4.19%	9.94%	12.81%	16.17%

18. **Wheeling charges “D”** for each of the voltage levels are taken from the Tariff Order dated 16 August 2012, which is provided below.

**Table 7: Wheeling Charges (Approved by the Commission)**

Particulars	EHV Level	33 kV	22/11 kV	LT Level
Wheeling charges (Rs./kwh)	-	0.11	0.60	1.03

**19. Applicability of Category wise Cross Subsidy Surcharge:**

- 19.1. The category-wise applicable CSS as arrived on consideration of the additional amount recoverable by MSPGCL from MSEDCL vide Order dated 5 September, 2013 in Case No. 95 of 2013 (providing AEC-1 & AEC-2) and corresponding components T, C, L & D from the above section is provided in Annexure II.
- 19.2. The CSS provided in Annexure II, for all the Open Access consumers would be applicable as per the Proviso to Section 42 (2) of the EA 2003. The CSS under this Order shall be applicable to all consumers in the licence area of MSEDCL, who opt for Open Access, under the MERC (Distribution Open Access) Regulations, 2005 as amended from time to time.
- 19.3. The CSS under Annexure II shall be applicable for existing as well as new Open Access consumers with effect from 1 September, 2013 to 28 February, 2014.
- 19.4. The Cross Subsidy Surcharge (CSS) at only 25% of the applicable CSS is payable by Open Access consumers purchasing power from renewable sources of energy as laid down in Order dated 9 September 2011 in Case No. 43 of 2010.

**With this Order, the Commission disposes of MSEDCL's Petition in the matter of Case No. 107 of 2013.**

Sd/-

**(Chandra Iyengar)  
Member**

Sd/-

**(Vijay L. Sonavane)  
Member**

## Annexure I

**Revised ABR considered by the Commission as per impact of Order in Case No. 95 of 2013.**

Consumer Category	Old ABR (as per Case 19 of 2012)	AEC 1	AEC 2	Total AEC	FAC	Revised ABR	Revised ABR
	Rs./Unit	Rs./Unit	Rs./Unit	Rs./Unit	Rs./Unit	Submitted by MSEDCL	Considered for CSS
	1	2	3	4	5	6	7=(1+2+3)
<b>Industry</b>							
<i>Express Feeder</i>	7.68	0.62	0.50	1.12	0.21	9.28	8.80
<i>Non Express Feeder</i>	7.26	0.58	0.47	1.05	0.19	8.76	8.31
<i>Seasonal Industry</i>	8.89	0.71	0.58	1.29	0.23	10.73	10.18
<b>Commercial</b>							
<i>Express Feeder</i>	11.59	0.93	0.75	1.68	0.31	14.00	13.27
<i>Non Express Feeder</i>	10.97	0.88	0.71	1.59	0.29	13.24	12.56
<b>Railways</b>	7.81	0.63	0.51	1.14	0.23	9.46	8.95
<b>Public Water Works</b>							
<i>Express Feeder</i>	5.55	0.45	0.36	0.81	0.15	6.70	6.36
<i>Non Express Feeder</i>	5.73	0.46	0.37	0.83	0.14	6.91	6.56
<b>Bulk Supply</b>							
<i>Residential Complex</i>	5.44	0.44	0.35	0.79	0.14	6.57	6.23
<i>Commercial Complex</i>	5.44	0.45	0.36	0.81	0.24	6.69	6.25
<b>HT-IX Public services</b>							
<i>Express feeders</i>	9.34	0.75	0.61	1.36	0.24	11.28	10.7
<i>Non-Express feeders</i>	8.79	0.71	0.57	1.28	0.22	10.61	10.07

<b>LT Consumers</b>							
<b>Non Domestic</b>							
<i>Up to 20 kW</i>							
<i>0-200 Units</i>	7.07	0.57	0.46	1.03	0.17	8.52	8.10
<i>Above 200 units</i>	10.89	0.88	0.71	1.59	0.25	13.11	12.48
<i>'&gt; 20 kW &amp; &lt; 50kW'</i>	10.11	0.81	0.66	1.47	0.25	12.19	11.58
<i>Above 50kW</i>	12.62	1.01	0.82	1.83	0.32	15.23	14.45
<b>Industrial</b>							
<i>Below 20kW load</i>	5.32	0.43	0.35	0.78	0.15	6.43	6.1
<i>Above 20kW load</i>	8.51	0.68	0.55	1.23	0.21	10.26	9.74
<b>Domestic</b>							
<i>0-100 Units</i>	3.89	0.31	0.25	0.56	0.1	4.69	4.45
<i>101-300 Units</i>	6.55	0.53	0.43	0.96	0.18	7.92	7.51
<i>301-500 Units</i>	8.18	0.66	0.53	1.19	0.23	9.89	9.37
<i>500 -1000Units</i>	8.88	0.71	0.58	1.29	0.26	10.75	10.17
<i>above 1000 units</i>	8.88	0.76	0.62	1.38	0.28	10.89	10.26
<b>Advertisements</b>	23.36	1.88	1.52	3.4	0.61	28.21	26.76
<b>Temporary Others</b>							
<i>Other Purpose</i>	15.57	1.25	1.01	2.26	0.44	18.84	17.83
<b>LT Public services</b>							
<i>Up to 20 kW</i>							
<i>0-200 Units</i>	5.56	0.45	0.36	0.81	0.16	6.73	6.37
<i>&gt;200 units</i>	8.34	0.67	0.54	1.21	0.23	10.09	9.55
<i>&gt;20-50 KW</i>	9.45	0.76	0.61	1.37	0.23	11.40	10.82
<i>&gt;50 KW</i>	9.96	0.8	0.65	1.45	0.24	12.00	11.41

## Annexure II

### Computation of Cross Subsidy Surcharge (As Approved by Commission) applicable from 1 September, 2013 Uptil 28 February, 2014

Consumer Category	ABR	C	WL	TL	L	D	CSS Computed	CSS Approved
	(Rs./Unit)		(%)	(%)	(%)	(Rs./Unit)	(Rs./Unit)	(Rs./Unit)
<b>HT Consumers (66kV and Above)</b>								
<b>Industry</b>								
<i>Express Feeder</i>	8.80	5.81	0.00%	4.19%	4.19%	0.00	2.75	2.75
<i>Non Express Feeder</i>	8.31	5.81	0.00%	4.19%	4.19%	0.00	2.26	2.26
<i>Seasonal Industry</i>	10.18	5.81	0.00%	4.19%	4.19%	0.00	4.13	4.13
<b>Commercial</b>								
<i>Express Feeder</i>	13.27	5.81	0.00%	4.19%	4.19%	0.00	7.22	7.22
<i>Non Express Feeder</i>	12.56	5.81	0.00%	4.19%	4.19%	0.00	6.51	6.51
<b>Railways</b>	8.95	5.81	0.00%	4.19%	4.19%	0.00	2.90	2.90
<b>Public Water Works</b>								
<i>Express Feeder</i>	6.36	5.81	0.00%	4.19%	4.19%	0.00	0.30	0.30
<i>Non Express Feeder</i>	6.56	5.81	0.00%	4.19%	4.19%	0.00	0.51	0.51
<b>Bulk Supply</b>								
<i>Residential Complex</i>	6.23	5.81	0.00%	4.19%	4.19%	0.00	0.18	0.18
<i>Commercial Complex</i>	6.25	5.81	0.00%	4.19%	4.19%	0.00	0.20	0.20
<b>HT-IX Public services</b>								
<i>Express feeders</i>	10.70	5.81	0.00%	4.19%	4.19%	0.00	4.65	4.65
<i>Non-Express feeders</i>	10.07	5.81	0.00%	4.19%	4.19%	0.00	4.01	4.01
<b>HT Consumers (33kV)</b>								
<b>Industry</b>								
<i>Express Feeder</i>	8.80	5.81	6.00%	4.19%	9.94%	0.11	2.30	2.30
<i>Non Express Feeder</i>	8.31	5.81	6.00%	4.19%	9.94%	0.11	1.82	1.82
<i>Seasonal Industry</i>	10.18	5.81	6.00%	4.19%	9.94%	0.11	3.69	3.69
<b>Commercial</b>								
<i>Express Feeder</i>	13.27	5.81	6.00%	4.19%	9.94%	0.11	6.77	6.77
<i>Non Express Feeder</i>	12.56	5.81	6.00%	4.19%	9.94%	0.11	6.06	6.06
<b>Railways</b>	8.95	5.81	6.00%	4.19%	9.94%	0.11	2.45	2.45
<b>Public Water Works</b>								

Consumer Category	ABR	C	WL	TL	L	D	CSS Computed	CSS Approved
	(Rs./Unit)		(%)	(%)	(%)	(Rs./Unit)	(Rs./Unit)	(Rs./Unit)
<i>Express Feeder</i>	6.36	5.81	6.00%	4.19%	9.94%	0.11	-0.14	-
<i>Non Express Feeder</i>	6.56	5.81	6.00%	4.19%	9.94%	0.11	0.07	0.07
<b>HT-IX Public services</b>								
<i>Express feeders</i>	10.70	5.81	6.00%	4.19%	9.94%	0.11	4.21	4.21
<i>Non-Express feeders</i>	10.07	5.81	6.00%	4.19%	9.94%	0.11	3.57	3.57
<b>HT Consumers (22/11 kV)</b>								
<b>Industry</b>								
<i>Express Feeder</i>	8.80	5.81	9.00%	4.19%	12.81%	0.60	1.65	1.65
<i>Non Express Feeder</i>	8.31	5.81	9.00%	4.19%	12.81%	0.60	1.16	1.16
<i>Seasonal Industry</i>	10.18	5.81	9.00%	4.19%	12.81%	0.60	3.03	3.03
<b>Commercial</b>								
<i>Express Feeder</i>	13.27	5.81	9.00%	4.19%	12.81%	0.60	6.12	6.12
<i>Non Express Feeder</i>	12.56	5.81	9.00%	4.19%	12.81%	0.60	5.41	5.41
<b>Railways</b>	8.95	5.81	9.00%	4.19%	12.81%	0.60	1.80	1.80
<b>HT-IX Public services</b>								
<i>Express feeders</i>	10.70	5.81	9.00%	4.19%	12.81%	0.60	3.55	3.55
<i>Non-Express feeders</i>	10.07	5.81	9.00%	4.19%	12.81%	0.60	2.91	2.91
<b>LT Consumers</b>								
<b>Non Domestic</b>								
<i>Up to 20 kW</i>								
<i>0-200 Units</i>	8.10	5.81	12.50%	4.19%	16.17%	1.03	0.32	0.32
<i>Above 200 units</i>	12.48	5.81	12.50%	4.19%	16.17%	1.03	4.70	4.69
<i>'&gt; 20 kW &amp; &lt; 50kW'</i>	11.58	5.81	12.50%	4.19%	16.17%	1.03	3.80	3.79
<i>Above 50kW</i>	14.45	5.81	12.50%	4.19%	16.17%	1.03	6.67	6.67
<b>Industrial</b>								
<i>Below 20kW load</i>	6.10	5.81	12.50%	4.19%	16.17%	1.03	-1.69	-
<i>Above 20kW load</i>	9.74	5.81	12.50%	4.19%	16.17%	1.03	1.97	1.96
<b>Domestic</b>								
<i>0-100 Units</i>	4.45	5.81	12.50%	4.19%	16.17%	1.03	-3.33	-
<i>101-300 Units</i>	7.51	5.81	12.50%	4.19%	16.17%	1.03	-0.27	-
<i>301-500 Units</i>	9.37	5.81	12.50%	4.19%	16.17%	1.03	1.59	1.58

Consumer Category	ABR	C	WL	TL	L	D	CSS Computed	CSS Approved
	(Rs./Unit)		(%)	(%)	(%)	(Rs./Unit)	(Rs./Unit)	(Rs./Unit)
<i>500 -1000Units</i>	10.17	5.81	12.50%	4.19%	16.17%	1.03	2.40	2.39
<i>above 1000 units</i>	10.26	5.81	12.50%	4.19%	16.17%	1.03	2.49	2.48
<b>Advertisements</b>	26.76	5.81	12.50%	4.19%	16.17%	1.03	18.98	18.97
<b>Temporary Others</b>								
<i>Other Purpose</i>	17.83	5.81	12.50%	4.19%	16.17%	1.03	10.06	10.06
<b>LT Public services</b>								
<i>Up to 20 kW</i>								
<i>0-200 Units</i>	6.37	5.81	12.50%	4.19%	16.17%	1.03	-1.41	-
<i>&gt;200 units</i>	9.55	5.81	12.50%	4.19%	16.17%	1.03	1.78	1.77
<i>&gt;20-50 KW</i>	10.82	5.81	12.50%	4.19%	16.17%	1.03	3.05	3.05
<i>&gt;50 KW</i>	11.41	5.81	12.50%	4.19%	16.17%	1.03	3.63	3.62