

**ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION**  
#11-4-660, 5<sup>th</sup> Floor ,Singareni Bhavan,Red Hills,Khairatabad,Hyderabad – 500 004

**Determination of Cross-Subsidy Surcharge and Additional Surcharge  
for FY 2007-08**

**O.P.No.5 of 2007**

Calculation of Cross-Subsidy Surcharge for FY 2007-08 based on Retail Supply Tariff Order for FY 2007-08 and as per the methodology laid down in the Order dated 29-08-06 in O.P (suo-moto) No. 13 of 2006

Total No. of pages – 7 (including cover page)

<b>Cross Subsidy Surcharge FY 2007-08</b>				
	<b>Sales (MU)</b>			
<b>Category</b>	<b>EPDCL</b>	<b>SPDCL</b>	<b>CPDCL</b>	<b>NPDCL</b>
<b>LT</b>				
<b>Category I – Domestic</b>				
Slab 3 (101-200)	227.08	318.15	624.57	151.90
Slab 4 (201-300)	49.32	74.44	198.07	26.88
Slab 5 (>300)	48.21	90.41	305.61	24.03
<b>Category II - Non-domestic</b>	<b>432.37</b>	<b>571.61</b>	<b>1,161.56</b>	<b>262.22</b>
Slab 1 (0-50)	114.96	156.93	250.71	97.02
Slab 2 (51-100)	317.41	414.68	910.84	165.20
<b>Category III (A &amp; B) – Industrial</b>	<b>391.92</b>	<b>717.78</b>	<b>1,113.05</b>	<b>271.48</b>
Industrial Normal	327.52	533.16	885.29	215.47
SSI Units	34.32	57.10	227.75	56.01
<b>Category IV - Cottage Industries &amp; Dhobighats</b>	<b>1.48</b>	<b>26.48</b>	<b>14.54</b>	<b>5.39</b>
<b>Category VI - Local Bodies, St. Lighting &amp; PWS</b>	<b>181.41</b>	<b>378.45</b>	<b>403.00</b>	<b>269.92</b>
<b>Street Lighting</b>	<b>102.59</b>	<b>162.44</b>	<b>225.70</b>	<b>126.44</b>
Municipalities (Gr 1&2)	7.53	7.86	24.78	10.99
Municipalities Selection Special Group	4.92	17.45	5.66	2.48
Corporations	24.82	22.49	79.34	7.96
<b>PWS Schemes</b>	<b>78.82</b>	<b>216.02</b>	<b>177.30</b>	<b>143.48</b>
All Nagarpalikas & Municipalities	5.86	21.16	29.01	17.85
Upto 1000 units	-	2.75	10.89	4.64
More than 1000 units	5.86	18.41	18.12	13.21
Municipal Corporations	3.91	7.41	3.44	4.59
Upto 1000 units	-	0.16	0.37	1.25
More than 1000 units	3.91	7.25	3.08	3.33
<b>Category VII - General Purpose</b>	<b>29.00</b>	<b>39.00</b>	<b>49.00</b>	<b>18.00</b>
<b>Category VIII</b>	<b>-</b>	<b>1.92</b>	<b>9.00</b>	<b>0.15</b>
Temporary Supply	-	1.92	9.00	0.15

<b>Cross Subsidy Surcharge FY 2007-08</b>				
	<b>Sales (MU)</b>			
<b>Category</b>	<b>EPDCL</b>	<b>SPDCL</b>	<b>CPDCL</b>	<b>NPDCCL</b>
<b>HT</b>	<b>3,284.00</b>	<b>2,899.76</b>	<b>7,620.59</b>	<b>2,000.37</b>
<b>Category I - Industry – General</b>	<b>2,356.63</b>	<b>1,845.58</b>	<b>6,238.95</b>	<b>846.37</b>
<b>General</b>	<b>1,816.85</b>	<b>1,841.83</b>	<b>6,005.81</b>	<b>846.07</b>
Industrial	1,816.85	1,841.83	6,005.81	846.07
>=132 kV	778.17	473.43	1,435.30	599.91
33 kV	305.23	563.06	2,472.88	86.84
11 kV	733.45	805.33	2,097.63	159.32
<b>Ferro-alloys</b>	<b>539.77</b>	<b>3.75</b>	<b>232.00</b>	<b>-</b>
<b>Seasonal Industries</b>	<b>-</b>	<b>-</b>	<b>1.14</b>	<b>0.30</b>
>=132 kV	-	-	-	-
33 kV	-	-	-	-
11 kV	-	-	1.14	0.30
<b>Category II - Industry – Other</b>	<b>199.67</b>	<b>207.52</b>	<b>968.98</b>	<b>55.13</b>
>=132 kV	13.49	-	36.64	2.40
33 kV	42.78	9.42	218.65	0.61
11 kV	143.40	198.10	713.69	52.12
<b>Category IV - Irrigation &amp; Agriculture</b>	<b>91.58</b>	<b>103.40</b>	<b>256.20</b>	<b>219.00</b>
<b>Government Lift Irrigation Schemes</b>	<b>74.23</b>	<b>53.19</b>	<b>214.16</b>	<b>74.67</b>
<b>Agriculture</b>	<b>17.35</b>	<b>50.21</b>	<b>42.04</b>	<b>144.33</b>
Flat Rate Tariff	-	-	-	-
Metered Tariff (Optional)	-	-	-	-
<b>Category V - Railway Traction</b>	<b>462.13</b>	<b>478.40</b>	<b>89.46</b>	<b>332.40</b>
<b>Category VI - Townships &amp; Residential Colonies</b>	<b>22.00</b>	<b>69.30</b>	<b>67.00</b>	<b>141.00</b>
<b>Other Sales (Not included above)</b>	<b>152.00</b>	<b>195.55</b>	<b>-</b>	<b>406.46</b>
Rural Co-operatives	152.00	195.43	-	406.46
Temporary	-	0.13	-	-

Cross Subsidy Surcharge FY 2007-08				
Category	Net Cross Subsidy Allocated (Rs. Crs.)			
	EPDCL	SPDCL	CPDCL	NPDCL
<b>LT</b>				
<b>Category I – Domestic</b>				
Slab 3 (101-200)	0.00	5.83	0.05	0.00
Slab 4 (201-300)	6.76	14.02	28.40	4.35
Slab 5 (>300)	9.66	23.81	63.13	5.69
<b>Category II - Non-domestic</b>				
Slab 1 (0-50)	9.49	13.82	21.67	2.63
Slab 2 (51-100)	80.68	128.43	239.45	39.77
<b>Category III (A &amp; B) – Industrial</b>				
Industrial Normal	39.69	92.00	120.16	32.93
SSI Units	4.18	11.13	29.47	8.09
<b>Category IV - Cottage Industries &amp; Dhobighats</b>	0.00	0.00	0.00	0.00
<b>Category VI - Local Bodies, St. Lighting &amp; PWS</b>				
<b>Street Lighting</b>				
Municipalities (Gr 1&2)	0.00	0.01	0.72	0.00
Municipalities Selection Special Group	0.00	0.50	0.29	0.00
Corporations	0.16	1.22	5.86	0.00
<b>PWS Schemes</b>				
<b>All Nagarpalikas &amp; Municipalities</b>				
Upto 1000 units	0.00	0.25	0.82	0.00
More than 1000 units	0.23	1.55	1.78	0.21
<b>Municipal Corporations</b>				
Upto 1000 units	0.00	0.02	0.04	0.03
More than 1000 units	0.34	1.01	0.45	0.23
<b>Category VII - General Purpose</b>	1.58	4.56	2.46	0.61
<b>Category VIII</b>				
Temporary Supply	0.00	0.56	2.09	0.04

<b>Cross Subsidy Surcharge FY 2007-08</b>				
	<b>Net Cross Subsidy Allocated (Rs. Crs.)</b>			
<b>Category</b>	<b>EPDCL</b>	<b>SPDCL</b>	<b>CPDCL</b>	<b>NPDCL</b>
<b>HT</b>				
<b>Category I - Industry – General</b>				
<b>General</b>				
Industrial				
>=132 kV	125.62	63.05	169.31	95.22
33 kV	44.17	83.76	343.01	14.46
11 kV	107.41	113.24	276.58	24.44
<b>Ferro-alloys</b>	33.81	0.25	15.99	0.00
<b>Seasonal Industries</b>				
>=132 kV	0.00	0.00	0.00	0.00
33 kV	0.00	0.00	0.00	0.00
11 kV	0.00	0.00	0.71	0.99
<b>Category II - Industry – Other</b>				
>=132 kV	3.66	0.00	7.12	2.14
33 kV	11.18	2.28	45.68	0.08
11 kV	32.72	45.76	134.40	10.44
<b>Category IV - Irrigation &amp; Agriculture</b>				
<b>Government Lift Irrigation Schemes</b>	7.94	6.44	23.22	10.22
<b>Agriculture</b>	0.00	0.00	0.00	0.00
Flat Rate Tariff	0.00	0.00	0.00	0.00
Metered Tariff (Optional)	0.00	0.00	0.00	0.00
<b>Category V - Railway Traction</b>	73.72	84.55	14.78	53.29
<b>Category VI - Townships &amp; Residential Colonies</b>	4.27	9.74	5.04	12.49
<b>Other Sales (Not included above)</b>				
Rural Co-operatives	0.00	0.00	0.00	0.00
Temporary	0.00	0.04	0.00	0.00

Cross Subsidy Surcharge FY 2007-08				
Category	Cross Subsidy Surcharge (Rs/kWH)			
	EPDCL	SPDCL	CPDCL	NPDCL
<b>LT</b>				
<b>Category I – Domestic</b>				
Slab 3 (101-200)	-	0.18	0.00	-
Slab 4 (201-300)	1.37	1.88	1.43	1.62
Slab 5 (>300)	2.00	2.63	2.07	2.37
<b>Category II - Non-domestic</b>				
Slab 1 (0-50)	0.83	0.88	0.86	0.27
Slab 2 (51-100)	2.54	3.10	2.63	2.41
<b>Category III (A &amp; B) – Industrial</b>				
Industrial Normal	1.21	1.73	1.36	1.53
SSI Units	1.22	1.95	1.29	1.44
<b>Category IV - Cottage Industries &amp; Dhobighats</b>	-	-	-	-
<b>Category VI - Local Bodies, St. Lighting &amp; PWS</b>				
<b>Street Lighting</b>				
Municipalities (Gr 1&2)	-	0.01	0.29	-
Municipalities Selection Special Group	-	0.28	0.52	-
Corporations	0.07	0.54	0.74	-
<b>PWS Schemes</b>				
<b>All Nagarpalikas &amp; Municipalities</b>				
Upto 1000 units	-	0.93	0.76	0.00
More than 1000 units	0.38	0.84	0.98	0.16
<b>Municipal Corporations</b>				
Upto 1000 units	-	1.11	1.17	0.23
More than 1000 units	0.86	1.39	1.45	0.69
<b>Category VII - General Purpose</b>	0.54	1.17	0.50	0.34
<b>Category VIII</b>				
Temporary Supply	-	2.90	2.33	2.47

<b>Cross Subsidy Surcharge FY 2007-08</b>				
	<b>Cross Subsidy Surcharge (Rs/kWH)</b>			
<b>Category</b>	<b>EPDCL</b>	<b>SPDCL</b>	<b>CPDCL</b>	<b>NPDCL</b>
<b>HT</b>				
<b>Category I - Industry – General</b>				
<b>General</b>				
Industrial				
>=132 kV	1.61	1.33	1.18	1.59
33 kV	1.45	1.49	1.39	1.66
11 kV	1.46	1.41	1.32	1.53
<b>Ferro-alloys</b>	0.63	0.67	0.69	-
<b>Seasonal Industries</b>				
>=132 kV	-	-	-	-
33 kV	-	-	-	-
11 kV	-	-	6.28	32.84
<b>Category II - Industry – Other</b>				
>=132 kV	2.72	-	1.94	8.93
33 kV	2.61	2.42	2.09	1.35
11 kV	2.28	2.31	1.88	2.00
<b>Category IV - Irrigation &amp; Agriculture</b>				
<b>Government Lift Irrigation Schemes</b>	1.07	1.21	1.08	1.37
<b>Agriculture</b>	-	-	-	-
Flat Rate Tariff	-	-	-	-
Metered Tariff (Optional)	-	-	-	-
<b>Category V - Railway Traction</b>	1.60	1.77	1.65	1.60
<b>Category VI - Townships &amp; Residential Colonies</b>	1.94	1.41	0.75	0.89
<b>Other Sales (Not included above)</b>				
Rural Co-operatives	-	-	-	-
Temporary	-	3.08	-	-