

**FSA Computation for 4th Qtr. 2008-09**

<b>I</b>	<b>FSA per unit</b>	<b>Rs/KWh</b>	<b>0.87</b>
<b>II</b>	<b>Fuel Surcharge</b>	<b>Unit</b>	<b>Value</b>
1	FOG for 4th Qtr of 2008-09	Rs Cr	328.82
2	PPP <sub>1</sub> (Adj. on account of variable cost of power purchased)	Rs Cr	524.87
3	PPP <sub>2</sub> (Adj. on account of Fixed cost of power purchased)	Rs Cr	90.16
<b>4</b>	<b>Total</b>	<b>Rs Cr</b>	<b>943.85</b>
<b>III</b>	<b>Saleable Energy</b>		
5	Power Purchase	MU	14,168
<b>7</b>	<b>Saleable Energy</b>	<b>MU</b>	<b>10,884</b>

**FSA Computation for 4th Qtr. 2008-09 (Jan-09 as per GERC TO dtd. 31.3.2007)**

I	FSA per unit	Rs/KWh	0.83
<b>II</b>	<b>Fuel Surcharge</b>	<b>Unit</b>	<b>Value</b>
1	09	Rs Cr	99.37
2	PPP <sub>1</sub> (Adj. on account of variable cost of power purchased)	Rs Cr	214.77
3	PPP <sub>2</sub> (Adj. on account of Fixed cost of power purchased)	Rs Cr	(14.74)
<b>4</b>	<b>Total</b>	<b>Rs Cr</b>	<b>299.39</b>
<b>III</b>	<b>Saleable Energy</b>		
5	Power Purchase	MU	4,761
6	Approved T&D Losses	2008-09	23.89%
<b>7</b>	<b>Saleable Energy</b>	<b>MU</b>	<b>3,624</b>

**Fuel Price Adjustments of GSECL units for 4th Quarter of the year 2008-09 (Jan -09)**

Sr. No.	TPS Units	Elegible Units for variable charges in Mus. For 4th Qtr. 2008-09 (Jan-09)	Fuel Cost Rs./Kwh Apr-Dec 06		Diff.	Rs. in Crs.
1	Ukai 1-2	6.416	1.47	1.602	0.14	<b>0.087</b>
2	Ukai 3-5	364.974	1.47	1.602	0.14	<b>4.97</b>
3	G'nagar 1-2	95.615	1.72	2.113	0.39	<b>3.74</b>
4	G'nagar 3-4	217.698	1.60	1.968	0.36	<b>7.92</b>
5	G'nagar 5	140.999	1.46	1.803	0.34	<b>4.82</b>
6	W'bori 1-6	813.476	1.65	1.917	0.27	<b>22.06</b>
7	W'bori 7	144.180	1.63	1.908	0.28	<b>4.05</b>
8	Sikka	92.674	1.99	3.077	1.09	<b>10.09</b>
9	KLTPS	79.210	1.07	1.154	0.09	<b>0.67</b>
10	DTPS 1-6	79.923	3.76	6.127	2.37	<b>18.96</b>
11	DTPS CCPP-I	31.346	2.25	3.865	1.62	<b>5.06</b>
12	DTPS CCPP-II	28.032	2.23	4.746	2.52	<b>7.05</b>
13	Utran	78.530	1.98	3.238	1.26	<b>9.88</b>
	<b>Total</b>	<b>2173</b>				<b>99.368</b>

**Fuel Surcharge on account of Variable and Fixed costs of power purchase, PPP<sub>1</sub> and PPP<sub>2</sub>**

Sr No	Source of Power	Rs Cr	
		PPP <sub>2</sub> (FC)	PPP <sub>1</sub> (VC)
	<b>NPC</b>		
1	TAPP ( I & II)	0.00	0.03
2	TAPP (III & IV)	0.00	1.84
3	KAPP	0.00	0.07
0	NTPC		
4	Korba STPS	2.31	1.98
5	Vindychal-II	0.64	7.78
6	Vindychal-I	1.39	6.48
7	Vindychal-III	(5.35)	8.85
8	Kawas (Gas)	(0.87)	10.28
9	Gandhar (Gas)	(4.78)	14.69
10	Kahalgaoon	(4.30)	4.34
11	Sipat Stage -II	(3.58)	(3.75)
	<b>IPPs</b>		
12	ESSAR	(2.99)	12.60
13	GPEC	5.20	108.98
14	GIPCL (Baroda)	1.23	10.99
15	GIPCL (SLPP)	0.70	0.11
16	GSEG	0.21	1.67
17	GMDC	(5.18)	0.05
18	SSNNL	0.00	0.00
19	CPPS	0.00	5.84
	<b>Others</b>		
20	Wind	0.00	14.44
21	GIPCL (145 MW)	0.62	7.50
	<b>Total</b>	<b>(14.74)</b>	<b>214.77</b>

Power purchase price for the Base Year (approved by GERC Apr - Dec 06)					4th Qtr. (Jan-09)						
Sl. No.	Source	Energy Purchase in Mus	Variable Cost (Rs./kWh)	Fixed Cost (Rs. Lakhs)	Energy Purchase in Mus	Actual Variable Cost (Rs.lakhs)	Actual Variable Cost (Rs./kWh)	Actual Fixed Cost (Rs.Lakhs)	Incremental Variable Cost (Rs. Lakhs)	Incremental Fixed Cost (Rs. Lakhs)	Total Recovery (Rs. Lakhs)
									Fx (H - D)x10	I - (E/12)	J + K
A	B	C	D	E	F	G	H	I	J	K	L
	<b>NPC</b>										
1	TAPP ( I & II)	1012	0.95	0	80	763	0.95	-	3.02	-	3.02
2	TAPP (III & IV)	1733	2.62	0	77	2207	2.86	-	184.49	-	184.49
3	KAPP	769	2.04	0	24	496	2.07	-	7.15	-	7.15
	<b>NTPC</b>										
4	Korba STPS	2329	0.58	6895	279	1815	0.65	806	197.71	231.46	429.17
5	Vindychal-II	1554	0.92	10733	185	2476	1.34	958	777.75	63.91	841.65
6	Vindychal-I	1471	1.01	5375	172	2383	1.39	587	648.03	138.60	786.63
7	Vindychal-III	1683	0.91	24956	206	2757	1.34	1545	884.82	(535.02)	349.80
8	Kawas (Gas)	382	3.68	9007	83	4090	4.92	664	1,028.35	(86.51)	941.84
9	Gandhar (Gas)	1616	1.54	19557	135	3552	2.63	1151	1,468.60	(478.50)	990.10
10	Kahalgaon	599	0.96	9607	50	916	1.82	370	434.00	(430.11)	3.89
11	Sipat Stage -II	1553	0.96	24956	175	1306	0.75	1722	(374.93)	(358.05)	(732.98)
	<b>IPPs</b>										
12	ESSAR	2049	2.4	12466	117	4056	3.48	740	1,260.30	(298.95)	961.35
13	GPEC	3581	1.67	43367	395	17498	4.43	4134	10,897.52	520.26	11,417.78
14	GIPCL (Baroda)	1092	1.67	5525	81	2446	3.03	584	1,098.54	123.47	1,222.01
15	GIPCL (SLPP)	1590	0.94	18456	157	1488	0.95	1608	10.88	70.03	80.91
16	GSEG	826	1.71	10239	93	1759	1.89	874	167.08	20.88	187.96
17	GMDC	1581	0.51	21241	104	535	0.52	1253	5.41	(517.52)	(512.12)
18	SSNNL	288	2.05	0	18	377	2.05	-	-	-	-
19	CPPS	353	2.02	0	39	1379	3.50	-	583.99	-	583.99
	<b>Others</b>										
20	Wind	30	1.77	0	91	3060	3.35	-	1,444.16	-	1,444.16
21	GIPCL (145 MW)	177	1.16	1643	27	1062	3.95	199	749.75	61.95	811.70
					<b>2588</b>	<b>56420</b>		<b>17194</b>	<b>21,476.62</b>	<b>(1,474.12)</b>	<b>20,002.51</b>

**LOSS COMPUTATION**

<b>Sr No</b>	<b>Particulars</b>	<b>FY 07-08 (Approved)</b>
1	<b>Energy Purchase</b>	<b>48,890</b>
	<b>Energy Sale</b>	
5	Sales of Discoms (MU)	33,084
7	Sales to licensees (MU)	4,128
	<b>Total Sale (MU)</b>	<b>37,212</b>
9	Loss in the system (MU)	11,678
	<b>T &amp; D Loss</b>	<b>23.89%</b>

**FSA Computation for 4th Qtr. 2008-09 (Feb & Mar-09 as per GERC TO dtd. 17.1.09)**

I	FSA per unit	Rs/KWh	0.89
II	<b>Fuel Surcharge</b>	<b>Unit</b>	<b>Value</b>
1	2008-09	Rs Cr	229.45
2	PPP <sub>1</sub> (Adj. on account of variable cost of power purchased)	Rs Cr	310.11
3	PPP <sub>2</sub> (Adj. on account of Fixed cost of power purchased)	Rs Cr	104.90
4	<b>Total</b>	<b>Rs Cr</b>	<b>644.46</b>
III	<b>Saleable Energy</b>		
5	Power Purchase	MU	9,406
6	Approved T&D Losses	2008-09	22.82%
7	<b>Saleable Energy</b>	<b>MU</b>	<b>7,260</b>

**Fuel Price Adjustments of GSECL units for 4th Quarter of the year 2008-09 (Feb & Mar -09)**

Sr. No.	TPS Units	Eligible Units for variable charges in Mus. For 4th Qtr. 2008-09 (Feb & Mar-09)	Fuel Cost Rs./Kwh (Base Year)	4th Qtr. 2008-09 Feb & Mar-09	Diff.	Rs. in Crs.
1	Ukai 1-5	782.586	1.50	1.695	0.19	14.957
2	G'nagar 1-4	735.125	1.75	2.405	0.66	48.38
3	G'nagar 5	262.071	1.47	2.028	0.56	14.66
4	W'bori 1-6	1577.045	1.73	2.049	0.32	51.06
5	W'bori 7	275.084	1.64	1.958	0.32	8.84
6	Sikka	229.852	1.99	2.736	0.75	17.18
7	KLTPS	150.684	1.07	1.152	0.08	1.26
8	DTPS 1-6	100.956	3.76	6.041	2.29	23.08
9	DTPS CCPP-I	53.145	2.21	4.408	2.16	11.47
10	DTPS CCPP-II	114.407	2.21	4.474	2.24	25.68
11	Utran	157.760	2.16	2.979	0.82	12.88
	<b>Total</b>	<b>4439</b>				<b>229.448</b>

**Fuel Surcharge on account of Variable and Fixed costs of power purchase PPP<sub>1</sub> and PPP<sub>2</sub>**

Sr No	Source of Power	Rs Cr	
		PPP <sub>2</sub> (FC)	PPP <sub>1</sub> (VC)
1	NPC Tarapur 1&2	0.00	0.18
2	NPC Kakrapar	0.00	0.18
3	NPC Tarapur 3&4	0.00	2.11
4	NTPC - Vindhyachal - I	12.68	12.49
5	NTPC - Vindhyachal - II	0.95	13.12
6	NTPC - Vindhyachal - III	10.50	16.00
7	NTPC - Korba	13.52	4.11
8	NTPC - Kawas	34.44	25.36
9	NTPC - Jhanor	22.24	25.79
10	NTPC - Sipat -II	35.15	7.44
11	NTPC - Kahalgaon	(7.78)	6.32
12	SSNNL	0.00	0.00
13	Essar	1.77	58.31
14	GPEC	(14.43)	86.56
15	GSEG	(0.21)	9.97
16	GIPCL - II (160)	0.14	18.96
17	GIPCL (SLPP)	(0.25)	0.68
18	GMDC	(6.06)	5.13
19	GIPCL - I (145)	2.23	15.33
20	RIL, Naroda	0.00	1.30
21	GACL, Bharuch	0.00	0.01
22	ONGC, Ankleshwar	0.00	0.00
23	ONGC, Hazira	0.00	0.00
24	Adani Export (Phillips Carbon)	0.00	0.73
25	Wind Farms (Old Policy)	0.00	0.04
26	Wind Farms (New Policy)	0.00	0.00
	<b>Total</b>	<b>104.90</b>	<b>310.11</b>

Power purchase price for the Base Year (approved by GERC as per TO dated 17.1.2009)					4th Qtr. (Feb & Mar-09)						
Sl. No.	Source	Energy Purchase in Mus	Variable Cost (Rs./kWh)	Fixed Cost (Rs. Lakhs)	Energy Purchase in Mus	Actual Variable Cost (Rs.lakhs)	Actual Variable Cost (Rs./kWh)	Actual Fixed Cost (Rs.Lakhs)	Incremental Variable Cost (Rs. Lakhs)	Incremental Fixed Cost (Rs. Lakhs)	Total Recovery (Rs. Lakhs)
									Fx (H - D)x10	I - (E/6)	J + K
A	B	C	D	E	F	G	H	I	J	K	L
1	NPC Tarapur 1&2	1010	0.94	-	212	2012	0.95	-	17.62	-	17.62
2	NPC Kakrapar	803	2.03	-	7	154	2.30	-	18.11	-	18.11
3	NPC Tarapur 3&4	1822	2.73	-	165	4715	2.86	-	211.30	-	211.30
4	NTPC - Vindhyachal - I	1575	1.03	7464	325	4599	1.41	2,512	1,248.88	1,267.98	2,516.86
5	NTPC - Vindhyachal - II	1636	0.98	10733	343	4671	1.36	1884	1,312.48	95.41	1,407.89
6	NTPC - Vindhyachal - III	1908	0.94	11982	378	5152	1.36	3047	1,599.56	1,050.33	2,649.90
7	NTPC - Korba	2474	0.57	9014	526	3409	0.65	2855	410.86	1,352.47	1,763.33
8	NTPC - Kawas	350	3.09	10417	198	8650	4.37	5180	2,536.47	3,444.23	5,980.71
9	NTPC - Jhanor	1544	1.73	11965	247	6845	2.78	4218	2,578.53	2,223.95	4,802.48
10	NTPC - Sipat -II	1769	0.54	-	364	2710	0.74	3515	743.82	3,515.26	4,259.07
11	NTPC - Kahalgaon	1076	1.21	10005	104	1891	1.82	890	631.88	(777.95)	(146.07)
12	SSNNL	288	2.05	-	40	812	2.05	-	-	-	-
13	Essar	1224	2.01	11106	301	11876	3.95	2028	5,831.50	177.42	6,008.91
14	GPEC	2556	2.47	45919	581	23004	3.96	6210	8,655.77	(1,443.46)	7,212.31
15	GSEG	722	1.48	11522	182	3692	2.03	1899	996.95	(21.48)	975.47
16	GIPCL - II (160)	953	1.72	5136	189	5150	2.72	870	1,895.51	13.66	1,909.17
17	GIPCL (SLPP)	1577	0.95	18071	315	3064	0.97	2987	67.74	(24.66)	43.08
18	GMDC	1388	0.61	23841	208	1779	0.86	3367	513.21	(606.26)	(93.05)
19	GIPCL - I (145)	0	2.17	922	67	2982	4.46	377	1,532.68	223.38	1,756.06
20	RIL, Naroda	161.49	2.34	-	21	620	2.96	-	130.19	-	130.19
21	GACL, Bharuch	53.76	1.97	-	0	4	2.76	-	1.25	-	1.25
22	ONGC, Ankleshwar	44.04	1.90	-	6	114	1.90	-	-	-	-
23	ONGC, Hazira	15.85	1.90	-	4	80	1.90	-	-	-	-
24	Adani Export (Phillips Carbon)	54.24	2.00	-	9	254	2.80	-	72.59	-	72.59
25	Wind Farms (Old Policy)	48	1.75	-	2	40	1.94	-	3.97	-	3.97
26	Wind Farms (New Policy)	1227	3.37	-	174	5877	3.37	-	0.00	-	0.00
					<b>4968</b>	<b>104160</b>		<b>41840</b>	<b>31011</b>	<b>10490</b>	<b>41501</b>

**LOSS COMPUTATION**

<b>Sr No</b>	<b>Particulars</b>	<b>FY 08-09 (Approved)</b>
1	<b>Energy Purchase</b>	<b>56,418</b>
	<b>Energy Sale</b>	
5	Sales of Discoms (MU)	37,612
7	Sales to licensees (MU)	5,932
	<b>Total Sale (MU)</b>	<b>43,544</b>
9	Loss in the system (MU)	12,874
	<b>T &amp; D Loss</b>	<b>22.82%</b>