

Ref. No.MERC/REL/FAC/2006-07/657

April 04, 2007

**The Sr. Vice President (A&F),**  
Reliance Energy Ltd,  
Reliance Energy Centre,  
Santacruz (E), Mumbai-400 055

Kind Attn : Shri Madhukar Moolwaney, Sr. Vice President

**Subject : Approval of REL Fuel Adjustment Charges (FAC) for July 2006 to September 2006.**

**Ref: Your letter dated 11th November 2006 for post facto approval.**

Sir,

With reference to your application dated 11th November 2006 in pursuance of directions in the Tariff Order, and subsequent correspondence on the above subject, I am directed to forward herewith the decision of the Commission (refer Annexure) for further necessary action.

The Commission has carried out the vetting of FAC amount for the months of July 2006 to September 2006, the summary of which is as under:

Particulars	Unit	July 06	August 06	September06
FAC (C+I+B)	Rs. Lakh	2068.54	3050.52	3144.71
FAC Charge without considering cap on monthly FAC Charge	Paise/kWh	33.73	49.42	47.97
FAC Charge considering cap on monthly FAC Charge	Paise/kWh	29.90	29.90	29.90
FAC considering cap on monthly FAC Charge	Rs. Lakh	1833.65	1845.54	1960.01
FAC disallowed corresponding to excess T&D loss	Rs. Lakh	-	-	-
Carried Forward FAC for recovery during future period	Rs. Lakh	234.89	1204.99	1184.70

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REL has not billed FAC for August 2006 and September 2006 in the billing months of October 2006 and November 2006 and has requested the Commission to consider the FAC amount for the period April to September 2006 under truing up at the end of FY 2006-07.

The Commission will consider the truing up of FAC for the entire year FY 2006-07 based on audited accounts for FY 2006-07 subject to prudence.

With Regards,



Yours faithfully,

**(Smt. Malini Shankar)**  
**Secretary, MERC**

**Encl: Annexure (36 Pages)**

Cc:

**Prayas Energy Group,**  
Amrita Clinic, Athawale Corner,  
Lakdipool-Karve Road Junction,  
Deccan Gymkhana, Karve Road,  
Pune 411 004.

**The President,**  
Vidarbha Industries Association,  
1<sup>st</sup> floor, Udyog Bhawan,  
Civil Lines,  
Nagpur 440 001.

**The President,**  
Mumbai Grahak Panchayat,  
Grahak Bhavan,  
Sant Dnyaneshwar Marg,  
Behind Cooper Hospital,  
Vile Parle (West), Mumbai 400 056.

**Shri A.D. Mahajan,**  
Senior Manager,  
SICOM Limited,  
Nirmal, Nariman Point, Mumbai – 400 021.

**The General Secretary,**  
Thane Belapur Industries Association,  
Plot No.P-14, MIDC,  
Rabale Village, PO Ghansoli,  
Navi Mumbai 400 7001.

**ANNEXURE**

**Accompaniment of the letter Ref No.MERC/Case No.18 of 2003/FAC/2006-07/\_\_\_\_  
dated April 4, 2007**

Re: Vetting of the Fuel Adjustment Cost (FAC) charges claimed by Reliance Energy Ltd (REL) for July 2006 to September 2006

1. REL, vide its submission dated 16th December, 2006, has worked out the FAC for the month of July 2006 to September 2006 as per the Tariff Order passed by the Commission on 1st July 2004 and detailed methodology and the rules made applicable by Hon'ble Commission while granting approval of FAC for the month of July 2004 vide its letter dated 19th January 2005.
2. In its Tariff Order the Commission directed REL to obtain post facto approval of the Commission on a quarterly basis for the FAC Charged. Accordingly, REL has submitted details of FAC incurred and chargeable from all consumers for each month July 2006 to September 2006 covering first quarter of FY 2006-07.
3. REL has submitted affidavit verifying the application. REL has also submitted independent certification agency's report in support of fuel calorific value as received basis of as fired coal at REL for the month of July 2006 to September 2006.
4. Validation of Fuel Adjustment Cost for July 2006 to September 2006:

The Commission has assessed FAC charge of REL for the period July 2006 to September 2006 based on the FAC formula approved in the Tariff Order. The methodology adopted for vetting is as followed while vetting the FAC computations is as follows:.

Change in Variable Cost of own generation and power purchase (C):

Due to increase in variable (fuel) cost of generation and change in mix of generation and power purchase, the actual weighted average variable (fuel) cost of generation and power purchase has increased by 24.30 Paise/KWh, 37.10 Paise/KWh & 27.60 Paise/KWh for July, August & September 2006 respectively. Normative actual variable (fuel) cost of generation and power purchase is Rs.1.622/KWh, Rs.1.750/KWh & Rs.1.655/KWh for July, August & September 2006 respectively as against Rs.1.379/KWh considered in the Tariff Order. Change in variable (fuel) cost of own generation and power purchase, has been arrived at by multiplying the total quantum of gross generation and power purchase with the change in weighted average cost of generation and power purchase.



Assessment of Variable (Fuel) Cost of own generation

The Commission has assessed the variable cost of own generation taking into consideration change in fuel mix, actual fuel price and normative heat rate and are Rs.1.246/kwh, Rs.1.273/kwh & Rs.1.264/kwh for July, August & September 2006 respectively as against Rs.1.006/kwh considered in the Tariff Order dated 1st July 2004. The total variable cost of own generation is assessed at Rs.4880.57 Lakh, Rs.3440.66 Lakh & Rs. 4755.58 Lakh for July, August & September 2006 respectively.

Change in Fuel Mix

REL has used blending ratio of raw coal: washed coal: imported coal as 0%:79%:21% during July 06, 0%:76%:24% during August 06 & 0%:76%:24% during September 06, as against ratio of 0%:80%:20% for the FY 2004-05 considered in the Tariff Order. The Commission has considered the change in fuel mix effected by REL for July, August & September 2006.

Actual Fuel Price

The Commission has assessed fuel price in terms of heat content (Rs./Mkcal) by considering actual fuel price based on the audited statement of fuel cost submitted by REL. The Commission has considered calorific value of the coal basket as fired coal at DTPS based on the certificate issued by independent verification agency.

REL has incurred Coal related expenses of Rs.137.49 Lakh (July 06), Rs.2.43 Lakh (August 06) & Rs.8.87 Lakh (September 06) and submitted the details & relevant documents justifying the expenses.

Heat Rate

The Commission has considered the approved heat rate (2319 kcal/KWh) as per the Tariff Order for FY 2004-05 for computing variable (fuel) cost of generation for assessment of FAC although the actual heat rate 2309 kcal/KWh, 2303 kcal/KWh & 2297 kcal/KWh for July, August & September 06 respectively, achieved by REL is lower than the normative.

Disallowance of FAC corresponding to excess auxiliary consumption

Excess auxiliary consumption is computed based on the norm approved in the Tariff Order. Fuel adjustment cost corresponding to excess auxiliary consumption has been disallowed and is computed by multiplying the excess auxiliary



consumption with the increase in variable cost of generation. The FAC disallowed corresponding to excess auxiliary consumption has been worked out as Rs.3.32 Lakh, Rs.5.71 Lakh and Rs.2.14 Lakh for July, August & September 2006.

Change in variable cost of power purchase:

Total variable cost of power purchase for July, August and September 2006 is summarized as under:

**Table: Variable Cost of Power Purchase** **(Rs. Lakh)**

Month	Kv	Units MU	Power Purchase Variable cost	FAC	Total Variable Cost of Power Purchase
July 06	22/33 kv	263.399	4905.80	553.14	5458.94
July 06	220 kv	81.176	1436.82	170.47	1607.28
August 06	22/33kv	293.479	5466.05	616.31	6082.36
August 06	220 kv	152.832	2705.13	320.95	3026.07
September 06	22/33 kv	280.200	5218.72	588.42	5807.14
September 06	220 kv	93.592	1656.58	196.54	1853.12

REL has submitted the data for the power purchase cost certified by cost accountant along with the power purchase bills from TPC. TPC has claimed FAC @ Rs.0.21/kWh from REL in its invoice for July, August and September 2006.

Working Capital Interest (I)

REL has not claimed any working capital interest and accordingly the Commission has not considered the same for determining the Fuel Adjustment Cost for July to September, 2006.

Adjustment for Over Recovery/Under Recovery (B)

REL has proposed to adjust Rs.1834.18 Lakh of FAC recovered in July 2006 against the incremental cost of Rs.1892.70 Lakh in February 2006. Thus, REL has computed adjustment factor (B) as Rs. 280.84 Lakh of under recovery of FAC in the computation of FAC for July 200 including carried forward under recovery of Rs 222.32 Lakh. .



In the month of August 2006 FAC computation, REL has proposed to adjust Rs.1846.23 Lakh of FAC recovered in August 2006 against the incremental cost of Rs.2002.59 Lakh in March 2006. Thus, REL has computed adjustment factor (B) as Rs. 391.26 Lakh of under recovery of FAC.

In the month of September 2006 FAC computation, REL has proposed to adjust Rs.1961.12 Lakh of FAC recovered in September 2006 against the incremental cost of Rs.1833.65 Lakh in April 2006. Thus, REL has computed adjustment factor (B) as Rs. 1077.51 Lakh of under recovery of FAC comprising the difference of above plus carried forward adjustment of under-recovery attributable to application of ceiling limit of Rs. 1204.99 Lakh for the month of August, 2006.

#### FAC (Total Fuel Adjustment Cost) & Sales

Total fuel cost and power purchase adjustment (FAC) has been computed by summing up the change in costs (C), Working Capital Interest (I), and adjustment for over recovery / under recovery (B). The Commission has considered energy sales based on audited submissions of REL.

#### Excess T&D Loss

The Commission has considered allowable T&D loss at the normative level of 13.9% based on T&D loss considered in the Tariff Order, and determined the excess T&D loss based on the formula specified in the Tariff Order. The actual T&D Loss for July 06 is 13.16%, for August 06 is 11.14% and for September 2006 is 9.17% as against normative level of 13.9%. For July 2006, August 2006 September 2006 the T&D Loss is within the normative level of 13.9%. Thus, there is no excess T&D Loss.

#### FAC per unit

FAC per unit has been computed by considering FAC (Total Fuel Adjustment Cost), Energy Sales submitted by REL and Excess T & D Loss assessed by the Commission. The FAC charge per unit is assessed at 33.73 paise/kWh, 49.42 paise/kWh and 47.97 paise/kWh for July, August and September 2006 respectively.

#### Cap on Monthly FAC Charge

The ceiling based on 10% of the variable component of Tariff works out to 29.90 Paise/kWh considering the revenue from energy charges and consumption for FY 2004-05 as considered in the Tariff Order.



FAC Charge considering monthly cap on FAC Charge

FAC charge considering Cap is assessed at 29.90 Paise/kWh, at 29.90 Paise/kWh and at 29.90 Paise/kWh for July, August and September 2006 respectively.

Recovery of FAC:

The Commission has assessed FAC to be recovered in the month of July, August and September 2006 as Rs.1833.65 Lakh, Rs.1845.54 Lakh and Rs. 1960.01 Lakh respectively. The FAC disallowed corresponding to excess T&D Loss is Rs.nil for this quarter. The carried forward FAC for recovery during future period is Rs. 234.89 Lakh, Rs. 1204.99 Lakh and Rs. 1184.70 Lakh for July, August and September 2006 respectively.



## 5. Summary of Results

The Summary of the Total Fuel Cost and Power Purchase Cost Adjustment (FAC), FAC Charge per unit (FAC<sub>kWh</sub>) and FAC to be recovered considering the cap on monthly FAC Charge for July, August & September 2006 is given in the Table below:

Sr. No.	Parameter	Unit	July 06		August 06		September 06	
			REL Subm	Commis sion	REL Subm	Commis sion	REL Subm	Commis sion
<b>1.0</b>	<b>Calculation of FAC (A)</b>							
1.1	Disallowance of change in variable cost of generation corresponding to excess auxiliary consumption	Rs Lakh	3.32	3.32	5.71	5.71	2.14	2.14
1.2	Change in weighted average variable cost of generation and power purchase after accounting for disallowance of change in variable cost corresponding to excess auxiliary consumption	Rs Lakh	1787.70	1787.70	2659.26	2659.26	2067.20	2067.20
1.3	Apportionment of change in variable cost of generation and power purchase to License Area (C)	Rs Lakh	1787.70	1787.70	2659.26	2659.26	2067.20	2067.20
1.4	Working Capital Interest (I)	Rs Lakh	-	-	-	-	-	-
1.5	Adjustment for Over Recovery/Under Recovery (B)	Rs Lakh	280.84	280.84	391.26	391.26	1077.51	1077.51
<b>1.6</b>	<b>FAC (A) = C + I + B</b>	Rs Lakh	2068.54	2068.54	3050.52	3050.52	3144.71	3144.71
<b>2.0</b>	<b>Calculation of FAC<sub>kWh</sub></b>							
2.1	Sale within License Area	MU	613.260	613.260	617.236	617.236	655.522	655.522
2.2	Excess T&D Loss	MU	-	-	-	-	-	-
2.3	FAC Charge (FAC <sub>kWh</sub> ) without considering cap on monthly FAC Charge	Paise/kWh	33.73	33.73	49.42	49.42	47.97	47.97
2.4	Cap on monthly FAC Charge	Paise/kWh	29.90	29.90	29.90	29.90	29.90	29.90
<b>2.5</b>	<b>FAC Charge (FAC<sub>kWh</sub>) considering cap on monthly FAC Charge</b>	Paise/kWh	29.90	29.90	29.90	29.90	29.90	29.90
<b>3.0</b>	<b>FAC (A)</b>							
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	1833.65	1833.65	1845.54	1845.54	1960.01	1960.01
3.2	FAC (A) disallowed corresponding to excess T&D loss	Rs Lakh	-	-	-	-	-	-
3.3	Carried forward FAC (A) for recovery during future period	Rs Lakh	234.89	234.89	1204.99	1204.99	1184.70	1184.70





**JULY 2006**

Table	3.1						
Title	Heat Rate for Thermal Generating Station/Unit						
Sr. No.	Generating Station/Unit <sup>1</sup>	Order FY					Cumulative Actual upto Month & Year
		Heat Rate	Gross Generation	Energy Input	Heat Rate	Reasons for material variation	Heat Rate
		kcal/kWh	MU	Mkcal	Kcal/ kWh		kcal/kWh
(A)	(B)	(C)	(D)	(E)	(F) = (E)/(D)	(G)	(H)
	For the month of July 2006						
	Generating Station DTPS	2319	391.743	902,968	2305		2309

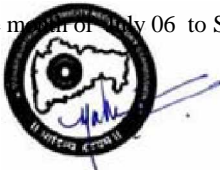


Table	3.3																		
Title	Calculation of Station/Unit-wise variable cost of generation (fuel cost)																		
Sr. No.	Generating Station/Unit <sup>1&amp;2</sup>	Fuel Basket (FB) <sup>1&amp;2</sup>	Order (FY)			Order for Month & Year			Actual for Month & Year				Normative Actual Var. Cost <sup>4</sup> for Month & Year			Cumulative Actual upto Month & Year			
			Var. Cost <sup>3</sup>	Var. Cost	Generation <sup>3</sup>	Var. Cost <sup>3</sup>	Var. Cost	Generation <sup>3</sup>	Reasons for Material Variation	Var. Cos <sup>13</sup>	Var. Cost	Generation <sup>3</sup>	Var. Cos <sup>13</sup>	Var. Cost	Generation <sup>3</sup>	Var. Cos <sup>13</sup>	Var. Cost		
(A)	(B)	(C)	MU	Rs/kWh	Rs Lakh	MU	Rs/kWh	Rs Lakh	MU		Rs/kWh	Rs Lakh	MU	Rs/kWh	Rs Lakh	MU	Rs/kWh	Rs Lakh	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	
1.0	Generating Station/Unit wise, Fuel Basket-wise details																		
	Generating Station/Unit 1	OIL																	
	Generating Station/Unit 1	FB ..																	
	Generating Station/Unit 2	COAL																	
	Generating Station/Unit 2	OIL																	
	Generating Station/Unit 2	FB ..																	
	...																		
	DTPS	COAL							391.743		1.237	4,847.44				1,530.627	1.237	18,856.36	
	DTPS	OIL							391.743		0.001	3.67				1,530.627	0.002	26.45	
	TOTAL							1.006	391.743		1.238	4,851.11		391.743	1.246	4,880.57	1,530.627	1.238	18,882.81

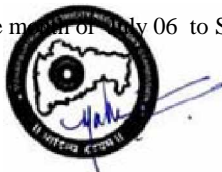
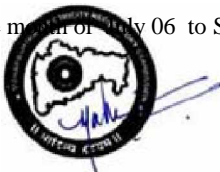


Table	3.3																				
Title	Calculation of Station/Unit-wise variable cost of generation (fuel cost)																				
Sr. No.	Generating Station/Unit <sup>1&amp;2</sup>	Fuel Basket (FB) <sup>1&amp;2</sup>	Order (FY)			Order for Month & Year			Actual for Month & Year			Normative Actual Var. Cost <sup>4</sup> for Month & Year			Cumulative Actual upto Month & Year						
			Var. Cost <sup>3</sup>	Var. Cost	Generat ion <sup>3</sup>	Var. Cost <sup>3</sup>	Var. Cost	Generatio <sup>3</sup>	Reasons for Material Variation	Var. Cos <sup>3</sup>	Var. Cost	Generation <sup>3</sup>	Var. Cos <sup>3</sup>	Var. Cost	Generatio <sup>3</sup>	Var. Cos <sup>3</sup>	Var. Cost				
			MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU		Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh			
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)			
2.0	Generating Station/Unit wise summary																				
	Generating Station/Unit 1	All fuels																			
	Generating Station/Unit 2	All fuels																			
	...																				
	DTPS	All fuels					1.006				391.743			1.238	4,851.11	391.743	1.246	4,880.57	1,530.627	1.238	18,882.81
3.0	Total for all Generating Stations/Units																				
	DTPS	All fuels					1.006				391.743			1.238	4,851.11	391.743	1.246	4,880.57	1,530.627	1.238	18,882.81
4.0	Generation corresponding to Utilisation of Specific Generating Station/Unit corresponding to sale mentioned at Table 1.1, Item 3 <sup>5</sup>																				
	-----NA-----																				
5.0	Total for all Generating Stations/Units excl. generation reported at (4.0)																				
							1.006				391.743			1.238	4,851.11	391.743	1.246	4,880.57	1,530.627	1.238	18,882.81



Table	4.1																	
Title	Variable cost of power purchase <sup>1&amp;11</sup>																	
Sr. No.	Power Purchase Source <sup>2</sup>	Order (FY)			Order for Month & Year			Actual for Month & Year						Cumulative Actual upto Month & Year				
		Net Purchase <sup>3</sup>	Var. Cost <sup>5</sup>	Var. Cost Amt <sup>4</sup>	Net Purchase <sup>3</sup>	Var. Cost <sup>5</sup>	Var. Cost Amt <sup>4</sup>	Net Purchase <sup>3</sup>	Tarif <sup>6</sup>	PP Am <sup>7</sup>	FAC Unit <sup>8</sup>	FAC Rate <sup>9</sup>	FAC Amt <sup>10</sup>	Var. Cost Amt <sup>4</sup>	Var. Cos <sup>5</sup>	Net Purchase <sup>3</sup>	Var. Cost Amt <sup>4</sup>	Var. Cos <sup>5</sup>
		MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	Rs Lakh	Rs/ kWh	MU	Rs Lakh	Rs/ kWh
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)= (I)*(J)	(L)	(M)	(N)= (L)*(M)	(O)= (K)+(N)	(P)	(Q)	(R)	(S)=(R)/(Q)
	For the month of July 2006																	
	Power Purchase TPC 22/33 Kv							263.399	1.862	4,905.80	263.399	0.210	553.14	5,458.94	2.072	1,122.740	23,268.76	2.072
	Power Purchase TPC 220 Kv							81.176	1.770	1,436.82	81.176	0.210	170.47	1,607.28	1.980	369.796	7,321.96	1.980
	Total Power Purchase							344.575		6,342.62	344.575		723.61	7,066.23	2.051	1,492.536	30,590.73	2.050



Sr. No.	Parameter	Order (FY)			Order for Month & Year ARR FY 2004-05			Actual for Month & Year			Normative Actual <sup>4</sup> for Month & Year			Cumulative Actual upto Month & Year		
		Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Unit	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>
(A)	(B)	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
	For the month of July 2006															
1.0	Own Generation <sup>1</sup> (Table No. 3.3, Sr. No. 5.0)				4,326.000	1.006	43,540.00	391.743	1.238	4,851.11	391.743	1.246	4,880.57	1530.627	1.234	18,882.81
2.0	Disallowance of FAC for Excess Auxiliary Consumption (Table No. 3.4)				-	-		1.386	0.240	3.32			3.32	5.856	0.239	13.97
3.0	Net Power Purchase (Table No. 4.1)				3,401.200	1.853	63,038.49	344.575	2.051	7,066.23	344.575	2.051	7,066.23	1492.536	2.050	30,590.73
4.0	Own Generation + Net Power Purchase (1.0-2.0+3.0)				7,727.200	1.379	106,578.49	734.932	1.621	11,914.01	736.318	1.622	11,943.47	3,017.31	1.639	49,459.57



Table	6.2		
Title	Change in variable cost of generation and power purchase (C) - Format 1		
Sr. No.	Parameter	Unit	Value
(A)	(B)	(C)	(D)
	For the month of July 2006		
1.0	Weighted Average variable cost of generation and power purchase considered by the Commission for Month & Year (Table No.6.1 Sr. No.4.0, Col. No. (H))	Rs/kWh	1.379
2.0	Weighted Average Normative Actual variable cost of generation and power purchase for Month & Year (Table No.6.1 Sr. No.4.0, Col. No. (M))	Rs/kWh	1.622
3.0	Change in variable cost of generation and power purchase (2.0-1.0)	Rs/kWh	0.243
4.0	Generation <sup>1</sup> + Net Power Purchase (Table No.6.1 Sr. No.4.0, Col. No. (L))	MU	736.318
5.0	Change in variable cost of generation and power purchase (3.0 x 4.0)	Rs Lakh	1,787.70

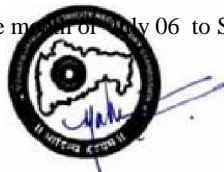


Table	6.6		
Title	Adjustment for Over-Recovery/Under-Recovery (B)		
Sr. No.	Parameter	Unit	Value
(A)	(B)	(C)	(D)
	For the month of July 2006		
1.0	Adjustment for over-recovery/under-recovery ('B')		
1.1	Incremental cost allowed to be recovered in Month j-4 (May 2006) (Specify Month & Year)	Rs Lakh	1,892.70
1.2	Incremental cost in Month j-4 (May 2006) actually recovered in month j-2 (July 2006) (Specify Month & Year)	Rs Lakh	1,834.18
1.3	(over-recovery)/under-recovery (1.2-1.1)	Rs Lakh	58.52
2.0	Carried forward adjustment for over-recovery/under-recovery attributable to application of ceiling limit	Rs Lakh	222.32
3.0	Adjustment factor for over-recovery/under-recovery (1.3+2.0)	Rs Lakh	280.84



Table	6.7		
Title	Total Fuel Cost and Power Purchase Adjustment		
Sr. No.	Parameter	Unit	
			July 2006
(A)	(B)	(C)	(D)
1.0	Change in cost (C) (Table 6.2, Sr. No.5.0 for FAC Mechanism or Table 6.3, Sr. No. 4.0 for FOCA Mechanism)	Rs Lakh	1,787.70
2.0	Interest on Working Capital (I) (Table 6.5, Sr. No. 3.0)	Rs Lakh	-
3.0	Adjustment factor for over-recovery/under-recovery (B) (Table 6.6, Sr. No. 3.0)	Rs Lakh	280.84
4.0	FAC (A) = C + I + B (1.0 + 2.0 + 3.0)	Rs Lakh	2,068.54
5.0	Any unpredictable and uncontrollable expenses incurred (Z) <sup>1</sup>	Rs Lakh	-
6.0	FOCA (A) = C + I + B + Z (4.0 + 5.0)	Rs Lakh	2,068.54





Table	7.1		
Title	Calculation of per unit FAC/FOCA Charge		
Sr. No.	Parameter	Unit	Value
			July 2006
(A)	(B)	(C)	(D)
1.0	Energy Sales within License Area (Table 1.1, Sr. No.5.0)	MU	609.716
2.0	Estimated Consumption within License Area (Table 1.2, Sr. No. 4.0)	MU	3.544
3.0	Excess T&D Loss (Table 1.4, Sr. No. 4.0)	MU	-
4.0	Total FAC (Table 6.7, Sr. No. 4.0) or Total FOCA (Table 6.7, Sr. No. 6.0)	Rs Lakh	2,068.54
5.0	FAC Charge ( $FAC_{kWh}$ ) or FOCA Charge ( $FOCA_{kWh}$ ) without considering cap on monthly Charge ( $4.0/(1.0+2.0+3.0)$ )	Paise/kWh	33.73
6.0	Cap on monthly FAC/FOCA Charge		
6.1	Cap at 10% of the variable component of tariff <sup>2</sup>	Paise/kWh	29.90
6.2	Cap at increase in CPI for a similar period	Paise/kWh	NA
6.3	Cap as lower of 6.1 and 6.2	Paise/kWh	29.90
7.0	FAC Charge ( $FAC_{kWh}$ ) or FOCA Charge ( $FOCA_{kWh}$ ) considering cap on monthly FAC Charge/FOCA Charge (lower of 5.0 and 6.3) <sup>1</sup>	Paise/kWh	29.90



Table	8.1		
Title	Summary of FAC (A) and FAC <sub>kWh</sub>		
Sr. No.	Parameter	Unit	Value
			July 2006
(A)	(B)	(C)	(D)
1.0	Calculation of FAC (A)		
1.1	Disallowance of change in variable cost of generation corresponding to excess auxiliary consumption	Rs Lakh	3.32
1.2	Change in weighted average variable cost of generation and power purchase after accounting for disallowance of change in variable cost corresponding to excess auxiliary consumption	Rs Lakh	1,787.70
1.3	Apportionment of change in variable cost of generation and power purchase to License Area (C)	Rs Lakh	1,787.70
1.4	Working Capital Interest (I)	Rs Lakh	-
1.5	Adjustment for Over Recovery/Under Recovery (B)	Rs Lakh	280.84
1.6	FAC (A) = C + I + B	Rs Lakh	2,068.54
2.0	Calculation of FAC <sub>kWh</sub>		
2.1	Sale within License Area	MU	613.260
2.2	Excess T&D Loss	MU	-
2.3	FAC Charge (FAC <sub>kWh</sub> ) without considering cap on monthly FAC Charge	Paise/kWh	33.73
2.4	Cap on monthly FAC Charge	Paise/kWh	29.90
2.5	FAC Charge (FAC <sub>kWh</sub> ) considering cap on monthly FAC Charge	Paise/kWh	29.90
3.0	FAC (A)		
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	1,833.65
3.2	FAC (A) disallowed corresponding to excess T&D loss	Rs Lakh	-
3.3	Carried forward FAC (A) for recovery during future period	Rs Lakh	234.89



**AUGUST 2006**

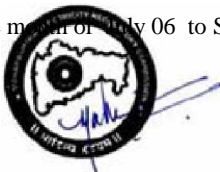
Table	3.1						
Title	Heat Rate for Thermal Generating Station/Unit						
Sr. No.	Generating Station/Unit <sup>1</sup>	Order FY					Cumulative Actual upto Month & Year
		Heat Rate	Gross Generation	Energy Input	Heat Rate	Reasons for material variation	Heat Rate
		kcal/kWh	MU	Mkcal	kcal/ kWh		kcal/kWh
(A)	(B)	(C)	(D)	(E)	(F) = (E)/(D)	(G)	(H)
	For the month of Aug 2006						
	Generating Station DTPS	2319	270.312	612,528	2266		2303



Table 3.3																		
Title Calculation of Station/Unit-wise variable cost of generation (fuel cost)																		
Sr. No.	Generating Station/Unit <sup>1&amp;2</sup>	Fuel Basket (FB) <sup>1&amp;2</sup>	Order (FY)			Order for Month & Year			Actual for Month & Year				Normative Actual Var. Cost <sup>4</sup> for Month & Year			Cumulative Actual upto Month & Year		
			Var. Cost <sup>3</sup>	Var. Cost	Gene ratio <sup>3</sup>	Var. Cost <sup>3</sup>	Var. Cost	Generatio <sup>3</sup>	Reasons for Material Variation	Var. Cos <sup>13</sup>	Var. Cost	Generatio <sup>3</sup>	Var. Cos <sup>13</sup>	Var. Cost	Generatio <sup>3</sup>	Var. Cos <sup>13</sup>	Var. Cost	
			MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU		Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
	For the month of Aug 2006																	
1.0	Generating Station/Unit wise, Fuel Basket-wise details																	
	Generating Station/Unit 1	OIL																
	Generating Station/Unit 1	FB ..																
	Generating Station/Unit 2	COAL																
	Generating Station/Unit 2	OIL																
	Generating Station/Unit 2	FB ..																
	...																	
	DTPS	COAL							270.312		1.223	3,305.34				1,800.939	1.223	22,161.70
	DTPS	OIL							270.312		0.021	56.68				1,800.939	0.005	83.13
	TOTAL						1.006		270.312		1.244	3,362.02	270.312	1.273	3,440.66	1,800.939	1.244	22,244.83



Table 3.3																		
Title Calculation of Station/Unit-wise variable cost of generation (fuel cost)																		
Sr. No.	Generating Station/Unit <sup>1&amp;2</sup>	Fuel Basket (FB) <sup>1&amp;2</sup>	Order (FY)			Order for Month & Year			Actual for Month & Year			Normative Actual Var. Cost <sup>4</sup> for Month & Year			Cumulative Actual upto Month & Year			
			Var. Cost <sup>3</sup>	Var. Cost	Generation <sup>3</sup>	Var. Cost <sup>3</sup>	Var. Cost	Generation <sup>3</sup>	Reasons for Material Variation	Var. Cos <sup>13</sup>	Var. Cost	Generation <sup>3</sup>	Var. Cos <sup>13</sup>	Var. Cost	Generation <sup>3</sup>	Var. Cos <sup>13</sup>	Var. Cost	
			MU	Rs/kWh	Rs Lakh	MU	Rs/kWh	Rs Lakh	MU		Rs/kWh	Rs Lakh	MU	Rs/kWh	Rs Lakh	MU	Rs/kWh	Rs Lakh
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
2.0	Generating Station/Unit wise summary																	
	Generating Station/Unit 1	All fuels																
	Generating Station/Unit 2	All fuels																
	...																	
	DTPS	All fuels				1.006		270.312			1.244	3,362.02	270.312	1.273	3,440.66	1,800.939	1.244	22,244.83
3.0	Total for all Generating Stations/Units																	
	DTPS	All fuels				1.006		270.312			1.244	3,362.02	270.312	1.273	3,440.66	1,800.939	1.244	22,244.83
4.0	Generation corresponding to Utilisation of Specific Generating Station/Unit corresponding to sale mentioned at Table 1.1, Item 3 <sup>5</sup>																	
	-----NA-----																	
5.0	Total for all Generating Stations/Units excl. generation reported at (4.0)																	
						1.006		270.312			1.244	3,362.02	270.312	1.273	3,440.66	1,800.939	1.244	22,244.83



**REL-FAC – JULY 2006- SEPTEMBER 2006**  
**MERC**

Sr. No.	Power Purchase Source <sup>2</sup>	Order (FY)			Order for Month & Year			Actual for Month & Year								Cumulative Actual upto Month & Year		
	Net Purchase <sup>3</sup>	Var. Cost <sup>5</sup>	Var. Cost Amt <sup>4</sup>	Net Purchase <sup>3</sup>	Var. Cost <sup>5</sup>	Var. Cost Amt <sup>4</sup>	Net Purchase <sup>3</sup>	Tarif <sup>6</sup>	PP Am <sup>7</sup>	FAC Unit <sup>8</sup>	FAC Rate <sup>9</sup>	FAC Amt <sup>10</sup>	Var. Cost Am <sup>14</sup>	Var. Cos <sup>15</sup>	Net Purchas <sup>e3</sup>	Var. Cost Am <sup>14</sup>	Var. Cos <sup>15</sup>	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)= (I)*(J)	(L)	(M)	(N)= (L)*(M)	(O)= (K)+(N)	(P)	(Q)	(R)	(S)=(R) )/(Q)
	For the month of Aug 2006																	
	Power Purchase TPC 22/33 Kv							293.479	1.863	5,466.05	293.479	0.210	616.31	6,082.36	2.073	1,416.219	29,351.12	2.072
	Power Purchase TPC 220 Kv							152.832	1.770	2,705.13	152.832	0.210	320.95	3,026.07	1.980	522.628	10,348.04	1.980
	Total Power Purchase							446.311		8,171.18	446.311		937.25	9,108.43	2.041	1,938.847	39,699.16	2.048



**REL-FAC – JULY 2006- SEPTEMBER 2006**  
**MERC**

Sr. No.	Parameter	Order (FY)			Order for Month & Year ARR FY 2004-05			Actual for Month & Year			Normative Actual <sup>4</sup> for Month & Year			Cumulative Actual upto Month & Year		
		Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Unit	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>
(A)	(B)	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
	For the month of Aug 2006															
1.0	Own Generation <sup>1</sup> (Table No. 3.3, Sr. No. 5.0)				4,326.000	1.006	43,540.00	270.312	1.244	3,362.02	270.312	1.273	3,440.66	1800.939	1.235	22,244.83
2.0	Disallowance of FAC for Excess Auxiliary Consumption (Table No. 3.4)				-	-		2.138	0.267	5.71			5.71	7.994	0.246	19.67
3.0	Net Power Purchase (Table No. 4.1)				3,401.200	1.853	63,038.49	446.311	2.041	9,108.43	446.311	2.041	9,108.43	1938.847	2.048	39,699.16
4.0	Own Generation + Net Power Purchase (1.0-2.0+3.0)				7,727.200	1.379	106,578.49	714.485	1.745	12,464.75	716.623	1.750	12,543.39	3,731.79	1.659	61,924.32



<b>Table 6.2</b>			
<b>Title Change in variable cost of generation and power purchase (C) - Format 1</b>			
<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Value</b>
(A)	(B)	(C)	(D)
	<b>For the month of Aug 2006</b>		
1.0	Weighted Average variable cost of generation and power purchase considered by the Commission for Month & Year (Table No.6.1 Sr. No.4.0, Col. No. (H))	Rs/kWh	1.379
2.0	Weighted Average Normative Actual variable cost of generation and power purchase for Month & Year (Table No.6.1 Sr. No.4.0, Col. No. (M))	Rs/kWh	1.750
3.0	Change in variable cost of generation and power purchase (2.0-1.0)	Rs/kWh	0.371
4.0	Generation <sup>1</sup> + Net Power Purchase (Table No.6.1 Sr. No.4.0, Col. No. (L))	MU	716.623
5.0	Change in variable cost of generation and power purchase (3.0 x 4.0)	Rs Lakh	2,659.26





Table	6.6		
Title	Adjustment for Over-Recovery/Under-Recovery (B)		
Sr. No.	Parameter	Unit	Value
(A)	(B)	(C)	(D)
	For the month of Aug 2006		
1.0	Adjustment for over-recovery/under-recovery ('B')		
1.1	Incremental cost allowed to be recovered in Month j-4 (Jun 2006) (Specify Month & Year)	Rs Lakh	2,002.59
1.2	Incremental cost in Month j-4 (June 2006) actually recovered in month j-2 (Aug 2006) (Specify Month & Year)	Rs Lakh	1,846.23
1.3	(over-recovery)/under-recovery (1.2-1.1)	Rs Lakh	156.36
2.0	Carried forward adjustment for over-recovery/under-recovery attributable to application of ceiling limit	Rs Lakh	234.89
3.0	Adjustment factor for over-recovery/under-recovery (1.3+2.0)	Rs Lakh	391.26



<b>Table</b>	<b>6.7</b>		
<b>Title</b>	<b>Total Fuel Cost and Power Purchase Adjustment</b>		
<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Aug 2006</b>
(A)	(B)	(C)	(D)
1.0	Change in cost (C) (Table 6.2, Sr. No.5.0 for FAC Mechanism or Table 6.3, Sr. No. 4.0 for FOCA Mechanism)	Rs Lakh	2,659.26
2.0	Interest on Working Capital (I) (Table 6.5, Sr. No. 3.0)	Rs Lakh	-
3.0	Adjustment factor for over-recovery/under-recovery (B) (Table 6.6, Sr. No. 3.0)	Rs Lakh	391.26
4.0	FAC (A) = C + I + B (1.0 + 2.0 + 3.0)	Rs Lakh	3,050.52
5.0	Any unpredictable and uncontrollable expenses incurred (Z) <sup>1</sup>	Rs Lakh	-
6.0	FOCA (A) = C + I + B + Z (4.0 + 5.0)	Rs Lakh	3,050.52



<b>Table</b>	<b>7.1</b>		
<b>Title</b>	<b>Calculation of per unit FAC/FOCA Charge</b>		
<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Value</b>
			<b>Aug 2006</b>
(A)	(B)	(C)	(D)
1.0	Energy Sales within License Area (Table 1.1, Sr. No.5.0)	MU	613.198
2.0	Estimated Consumption within License Area (Table 1.2, Sr. No. 4.0)	MU	4.038
3.0	Excess T&D Loss (Table 1.4, Sr. No. 4.0)	MU	-
4.0	Total FAC (Table 6.7, Sr. No. 4.0) or Total FOCA (Table 6.7, Sr. No. 6.0)	Rs Lakh	3,050.52
5.0	FAC Charge (FAC <sub>kWh</sub> ) or FOCA Charge (FOCA <sub>kWh</sub> ) without considering cap on monthly Charge (4.0/(1.0+2.0+3.0))	Paise/kWh	49.42
6.0	Cap on monthly FAC/FOCA Charge		
6.1	Cap at 10% of the variable component of tariff <sup>2</sup>	Paise/kWh	29.90
6.2	Cap at increase in CPI for a similar period	Paise/kWh	NA
6.3	Cap as lower of 6.1 and 6.2	Paise/kWh	29.90
7.0	FAC Charge (FAC <sub>kWh</sub> ) or FOCA Charge (FOCA <sub>kWh</sub> ) considering cap on monthly FAC Charge/FOCA Charge (lower of 5.0 and 6.3) <sup>1</sup>	Paise/kWh	29.90



<b>Table</b>	<b>8.1</b>		
<b>Title</b>	<b>Summary of FAC (A) and FAC<sub>kWh</sub></b>		
<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Value</b>
			<b>Aug 2006</b>
(A)	(B)	(C)	(D)
<b>1.0</b>	<b>Calculation of FAC (A)</b>		
1.1	Disallowance of change in variable cost of generation corresponding to excess auxiliary consumption	Rs Lakh	5.71
1.2	Change in weighted average variable cost of generation and power purchase after accounting for disallowance of change in variable cost corresponding to excess auxiliary consumption	Rs Lakh	2,659.26
1.3	Apportionment of change in variable cost of generation and power purchase to License Area (C)	Rs Lakh	2,659.26
1.4	Working Capital Interest (I)	Rs Lakh	-
1.5	Adjustment for Over Recovery/Under Recovery (B)	Rs Lakh	391.26
<b>1.6</b>	<b>FAC (A) = C + I + B</b>	Rs Lakh	3,050.52
<b>2.0</b>	<b>Calculation of FAC<sub>kWh</sub></b>		
2.1	Sale within License Area	MU	617.236
2.2	Excess T&D Loss	MU	-
2.3	FAC Charge (FAC <sub>kWh</sub> ) without considering cap on monthly FAC Charge	Paise/kWh	49.42
2.4	Cap on monthly FAC Charge	Paise/kWh	29.90
<b>2.5</b>	<b>FAC Charge (FAC<sub>kWh</sub>) considering cap on monthly FAC Charge</b>	Paise/kWh	29.90
<b>3.0</b>	<b>FAC (A)</b>		
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	1,845.54
3.2	FAC (A) disallowed corresponding to excess T&D loss	Rs Lakh	-
3.3	Carried forward FAC (A) for recovery during future period	Rs Lakh	1,204.99



**SEPTEMBER, 2006**

Table	3.1						
Title	Heat Rate for Thermal Generating Station/Unit						
Sr. No.	Generating Station/Unit <sup>1</sup>	Order FY					Cumulative Actual upto Month & Year
		Heat Rate	Gross Generation	Energy Input	Heat Rate	Reasons for material variation	Heat Rate
		kcal/kWh	MU	Mkcal	kcal/ kWh		kcal/kWh
(A)	(B)	(C)	(D)	(E)	(F) = (E)/(D)	(G)	(H)
	For the month of Sep 2006						
	Generating Station DTPS	2319	376.355	853,197	2267		2297

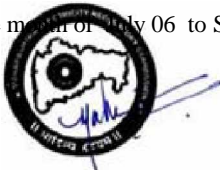


Table	3.3																		
Title	Calculation of Station/Unit-wise variable cost of generation (fuel cost)																		
Sr. No.	Generating Station/Unit <sup>1&amp;2</sup>	Fuel Basket (FB) <sup>1&amp;2</sup>	Order (FY)			Order for Month & Year			Actual for Month & Year				Normative Actual Var. Cost <sup>4</sup> for Month & Year			Cumulative Actual upto Month & Year			
			Var. Cost <sup>3</sup>	Var. Cost	Generati on <sup>3</sup>	Var. Cost <sup>3</sup>	Var. Cost	Generatio <sup>n3</sup>	Reasons for Material Variation	Var. Cos <sup>t3</sup>	Var. Cost	Generation <sup>3</sup>	Var. Cos <sup>t3</sup>	Var. Cost	Generatio <sup>n3</sup>	Var. Cos <sup>t3</sup>	Var. Cost		
			MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh		Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh		
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	
	For the month of Sep 2006																		
1.0	Generating Station/Unit wise, Fuel Basket-wise details																		
	Generating Station/Unit 1	OIL																	
	Generating Station/Unit 1	FB ..																	
	Generating Station/Unit 2	COAL																	
	Generating Station/Unit 2	OIL																	
	Generating Station/Unit 2	FB ..																	
	...																		
	DTPS	COAL								376.355		1.233	4,640.76				2,177.294	1.233	26,802.46
	DTPS	OIL								376.355		0.002	8.19				2,177.294	0.004	91.32
	TOTAL							1.006		376.355		1.235	4,648.95	376.355	1.264	4,755.58	2,177.294	1.235	26,893.78

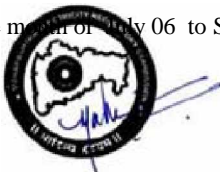


Table	3.3																		
Title	Calculation of Station/Unit-wise variable cost of generation (fuel cost)																		
Sr. No.	Generating Station/Unit <sup>1&amp;2</sup>	Fuel Basket (FB) <sup>1&amp;2</sup>	Order (FY)			Order for Month & Year			Actual for Month & Year			Normative Actual Var. Cost <sup>4</sup> for Month & Year			Cumulative Actual upto Month & Year				
			Var. Cost <sup>3</sup>	Var. Cost	Generati on <sup>3</sup>	Var. Cost <sup>3</sup>	Var. Cost	Generatio <sup>n3</sup>	Reasons for Material Variation	Var. Cos <sup>t3</sup>	Var. Cost	Generation <sup>3</sup>	Var. Cos <sup>t3</sup>	Var. Cost	Generatio <sup>n3</sup>	Var. Cos <sup>t3</sup>	Var. Cost		
			MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU		Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	
2.0	Generating Station/Unit wise summary																		
	Generating Station/Unit 1	All fuels																	
	Generating Station/Unit 2	All fuels																	
	...																		
	DTPS	All fuels					1.006			376.355		1.235	4,648.95	376.355	1.264	4,755.58	2,177.294	1.235	26,893.78
3.0	Total for all Generating Stations/Units																		
	DTPS	All fuels					1.006			376.355		1.235	4,648.95	376.355	1.264	4,755.58	2,177.294	1.235	26,893.78
4.0	Generation corresponding to Utilisation of Specific Generating Station/Unit corresponding to sale mentioned at Table 1.1, Item 3 <sup>5</sup> -----NA-----																		
5.0	Total for all Generating Stations/Units excl. generation reported at (4.0)																		
							1.006			376.355		1.235	4,648.95	376.355	1.264	4,755.58	2,177.294	1.235	26,893.78



**REL-FAC – JULY 2006- SEPTEMBER 2006**  
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Table 4.1																		
Title Variable cost of power purchase <sup>1&amp;11</sup>																		
Sr. No.	Power Purchase Source <sup>2</sup>	Order (FY)			Order for Month & Year			Actual for Month & Year			Cumulative Actual upto Month & Year							
		Net Purchas e <sup>3</sup>	Var. Cost <sup>5</sup>	Var. Cost Amt <sup>4</sup>	Net Purchase <sup>3</sup>	Var. Cost <sup>5</sup>	Var. Cost Amt <sup>4</sup>	Net Purchas e <sup>3</sup>	Tarif <sup>6</sup>	PP Am <sup>7</sup>	FAC Unit <sup>8</sup>	FAC Rate <sup>9</sup>	FAC Amt <sup>10</sup>	Var. Cost Am <sup>4</sup>	Var. Cos <sup>15</sup>	Net Purchas e <sup>3</sup>	Var. Cost Am <sup>4</sup>	Var. Cos <sup>15</sup>
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)= (I)*(J)	(L)	(M)	(N)= (L)*(M)	(O)= (K)+(N)	(P)	(Q)	(R)	(S)=(R)/(Q)
For the month of Sep 2006																		
	Power Purchase TPC 22/33 Kv							280.200	1.862	5,218.72	280.200	0.210	588.42	5,807.14	2.072	1,696.419	35,158.26	2.072
	Power Purchase TPC 220 Kv							93.592	1.770	1,656.58	93.592	0.210	196.54	1,853.12	1.980	616.220	12,201.16	1.980
	Total Power Purchase							373.792		6,875.30	373.792		784.96	7,660.26	2.049	2,312.639	47,359.42	2.048





**REL-FAC – JULY 2006- SEPTEMBER 2006**  
**MERC**

Table	6.1																
Title	Composite variable cost of generation and power purchase																
Sr. No.	Parameter	Order (FY)			Order for Month & Year ARR FY 2004-05			Actual for Month & Year			Normative Actual <sup>4</sup> for Month & Year			Cumulative Actual upto Month & Year			
		Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Energy	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	Unit	Var. Cost <sup>2</sup>	Var. Cost Amt <sup>3</sup>	
(A)	(B)	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	
	For the month of Sep 2006	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	
1.0	Own Generation <sup>1</sup> (Table No. 3.3, Sr. No. 5.0)				4,326.000	1.006	43,540.00	376.355	1.235	4,648.95	376.355	1.264	4,755.58	2177.294	1.235	26,893.78	
2.0	Disallowance of FAC for Excess Auxiliary Consumption (Table No. 3.4)				-	-		0.831	0.258	2.14			2.14	8.825	0.247	21.81	
3.0	Net Power Purchase (Table No. 4.1)				3,401.200	1.853	63,038.49	373.792	2.049	7,660.26	373.792	2.049	7,660.26	2312.639	2.048	47,359.42	
4.0	Own Generation + Net Power Purchase (1.0-2.0+3.0)				7,727.200	1.379	106,578.49	749.316	1.642	12,307.07	750.147	1.655	12,413.71	4,481.11	1.657	74,231.39	



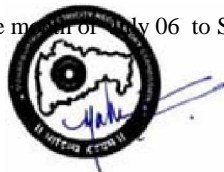
<b>Table 6.2</b>			
<b>Title Change in variable cost of generation and power purchase (C) - Format 1</b>			
<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Value</b>
(A)	(B)	(C)	(D)
	<b>For the month of Sep 2006</b>		
1.0	Weighted Average variable cost of generation and power purchase considered by the Commission for Month & Year (Table No.6.1 Sr. No.4.0, Col. No. (H))	Rs/kWh	1.379
2.0	Weighted Average Normative Actual variable cost of generation and power purchase for Month & Year (Table No.6.1 Sr. No.4.0, Col. No. (M))	Rs/kWh	1.655
3.0	Change in variable cost of generation and power purchase (2.0-1.0)	Rs/kWh	0.276
4.0	Generation <sup>1</sup> + Net Power Purchase (Table No.6.1 Sr. No.4.0, Col. No. (L))	MU	750.147
5.0	Change in variable cost of generation and power purchase (3.0 x 4.0)	Rs Lakh	2,067.20



<b>Table</b>	<b>6.6</b>		
<b>Title</b>	<b>Adjustment for Over-Recovery/Under-Recovery (B)</b>		
<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Value</b>
(A)	(B)	(C)	(D)
	<b>For the month of Sep 2006</b>		
<b>1.0</b>	<b>Adjustment for over-recovery/under-recovery ('B')</b>		
1.1	Incremental cost allowed to be recovered in Month j-4 (July 2006) (Specify Month & Year)	Rs Lakh	1,833.65
1.2	Incremental cost in Month j-4 (July 2006) actually recovered in month j-2 (Sep 2006) (Specify Month & Year)	Rs Lakh	1,961.12
1.3	(over-recovery)/under-recovery (1.2-1.1)	Rs Lakh	(127.47)
<b>2.0</b>	<b>Carried forward adjustment for over-recovery/under-recovery attributable to application of ceiling limit</b>	Rs Lakh	1,204.99
<b>3.0</b>	<b>Adjustment factor for over-recovery/under-recovery (1.3+2.0)</b>	Rs Lakh	1,077.51



<b>Table</b>	<b>6.7</b>		
<b>Title</b>	<b>Total Fuel Cost and Power Purchase Adjustment</b>		
<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Sep 2006</b>
(A)	(B)	(C)	(D)
1.0	Change in cost (C) (Table 6.2, Sr. No.5.0 for FAC Mechanism or Table 6.3, Sr. No. 4.0 for FOCA Mechanism)	Rs Lakh	2,067.20
2.0	Interest on Working Capital (I) (Table 6.5, Sr. No. 3.0)	Rs Lakh	-
3.0	Adjustment factor for over-recovery/under-recovery (B) (Table 6.6, Sr. No. 3.0)	Rs Lakh	1,077.51
4.0	FAC (A) = C + I + B (1.0 + 2.0 + 3.0)	Rs Lakh	3,144.71
5.0	Any unpredictable and uncontrollable expenses incurred (Z) <sup>1</sup>	Rs Lakh	-
6.0	FOCA (A) = C + I + B + Z (4.0 + 5.0)	Rs Lakh	3,144.71



<b>Table</b>	<b>7.1</b>		
<b>Title</b>	<b>Calculation of per unit FAC/FOCA Charge</b>		
<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Value</b>
			<b>Sep 2006</b>
(A)	(B)	(C)	(D)
1.0	Energy Sales within License Area (Table 1.1, Sr. No.5.0)	MU	651.310
2.0	Estimated Consumption within License Area (Table 1.2, Sr. No. 4.0)	MU	4.212
3.0	Excess T&D Loss (Table 1.4, Sr. No. 4.0)	MU	-
4.0	Total FAC (Table 6.7, Sr. No. 4.0) or Total FOCA (Table 6.7, Sr. No. 6.0)	Rs Lakh	3,144.71
5.0	FAC Charge (FAC <sub>kWh</sub> ) or FOCA Charge (FOCA <sub>kWh</sub> ) without considering cap on monthly Charge (4.0/(1.0+2.0+3.0))	Paise/kWh	47.97
6.0	Cap on monthly FAC/FOCA Charge		
6.1	Cap at 10% of the variable component of tariff <sup>2</sup>	Paise/kWh	29.90
6.2	Cap at increase in CPI for a similar period	Paise/kWh	NA
6.3	Cap as lower of 6.1 and 6.2	Paise/kWh	29.90
7.0	FAC Charge (FAC <sub>kWh</sub> ) or FOCA Charge (FOCA <sub>kWh</sub> ) considering cap on monthly FAC Charge/FOCA Charge (lower of 5.0 and 6.3) <sup>1</sup>	Paise/kWh	29.90



<b>Table</b>	<b>8.1</b>		
<b>Title</b>	<b>Summary of FAC (A) and FAC<sub>kWh</sub></b>		
<b>Sr. No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Value</b>
			<b>Sep 2006</b>
(A)	(B)	(C)	(D)
<b>1.0</b>	<b>Calculation of FAC (A)</b>		
1.1	Disallowance of change in variable cost of generation corresponding to excess auxiliary consumption	Rs Lakh	2.14
1.2	Change in weighted average variable cost of generation and power purchase after accounting for disallowance of change in variable cost corresponding to excess auxiliary consumption	Rs Lakh	2,067.20
1.3	Apportionment of change in variable cost of generation and power purchase to License Area (C)	Rs Lakh	2,067.20
1.4	Working Capital Interest (I)	Rs Lakh	-
1.5	Adjustment for Over Recovery/Under Recovery (B)	Rs Lakh	1,077.51
<b>1.6</b>	<b>FAC (A) = C + I + B</b>	Rs Lakh	3,144.71
<b>2.0</b>	<b>Calculation of FAC<sub>kWh</sub></b>		
2.1	Sale within License Area	MU	655.522
2.2	Excess T&D Loss	MU	-
2.3	FAC Charge (FAC <sub>kWh</sub> ) without considering cap on monthly FAC Charge	Paise/kWh	47.97
2.4	Cap on monthly FAC Charge	Paise/kWh	29.90
<b>2.5</b>	<b>FAC Charge (FAC<sub>kWh</sub>) considering cap on monthly FAC Charge</b>	Paise/kWh	29.90
<b>3.0</b>	<b>FAC (A)</b>		
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	1,960.01
3.2	FAC (A) disallowed corresponding to excess T&D loss	Rs Lakh	-
3.3	Carried forward FAC (A) for recovery during future period	Rs Lakh	1,184.70

