No. MERC/FAC-REL/1822 September 07, 2006

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

Subject: Approval of Fuel Adjustment Charges (FAC) for April 2006 to June 2006.

Reference: Your letter dated August 12, 2006 for post facto approval.

Sir,

In response to your submission of FAC calculations under above reference for the period April 2006 to June 2006, in compliance to the direction in the Tariff Order dated July 01, 2004 (Case 18 of 2003), necessary vetting of the FAC calculations has been carried out.

I am directed to forward herewith the decision of the Commission for further necessary action. Detail vetting report is attached herewith, please find below the summery of the approval.

Particulars	Unit	April 06	May 06	June 06
FAC (C+I+B)	Rs. Lacs	1561.63	1977.37	2224.92
FAC Charge considering cap on monthly FAC Charge	Paise/Kwh	24.96	29.90	29.90
FAC considering cap on monthly FAC Charge	Rs. Lacs	1561.63	1892.70	2002.59
FAC disallowed corresponding to excess T& D loss	Rs. Lacs	-	51.49	-
Carried Forward FAC for recovery during future period	Rs. Lacs	-	33.18	222.32

With Regards,

Yours Faithfully,

(Ms. Malini Shankar)
Secretary, MERC

Encl: Annexure (63 Pages)

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c.c. to :

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ANNEXURE

Accompaniment of the letter Ref No.MERC/Case No.18 of 2003/FAC/2005/____ dated September 07, 2006

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

1. REL, vide its submission dated 12th August 2006, has worked out the FAC for the month of April 2006 to June 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 April 2006 to June 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 April 2006 to June 2006. REL after finding certain modification in computation resent the revised version of forms through email as softcopy on 28th August 2006.

4. Validation of Fuel Adjustment Cost for April 2006 to June 2006:

   The Commission has assessed FAC charge of REL for the period April 2006 to June 2006 based on the FAC formula approved in the Tariff Order. The methodology adopted for vetting is as followed while vetting July 2004 FAC.

   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 22.47Paise/KWh, 29.26Paise/KWh & 27.45Paise/KWh for April, May & June 2006 respectively. Normative actual variable (fuel) cost of generation and power purchase is Rs.1.604/KWh, Rs.1.672/KWh & Rs.1.654/KWh for April, May & June 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.1.179/kwh, Rs.1.281/kwh & Rs.1.248/kwh for April, May & June 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.4443.86lacs, Rs.4937.51lacs & Rs.4700.39lacs for April, May & June 2006 respectively.

Change in Fuel Mix

REL has used blending ratio of raw coal: washed coal: imported coal as 0%:79%:21% during April 06, 0%:69%:31% during May 06 & 0%:75%:25% during June 06 as against ratio of 0%:80%:20% for the FY 2004-05 considered in the Tariff Order. The Commission has accepted the change in fuel mix effected by REL for April, May & June 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.1.13 lacs (April 06), Rs.199.81 lacs (May 06) & Rs.18.78 lacs (June 06) and submitted the details & relevant documents justifying the expenses. The Commission has allowed REL to pass through these expenses as fuel cost expenses in the respective months.

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 2306 kcal/KWh, 2311kcal/KWh & 2315 kcal/KWh for April, May & June 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.2.01 lacs, Rs.5.19 lacs and Rs.3.45 lacs for April, May & June 2006.

Change in variable cost of power purchase:

Total variable cost of power purchase for April, May and June 2006 is summarized as under:

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

Month	**Units MU**	**Power Purchase Variable cost**	**FAC**	**Total Variable Cost of Power Purchase**
April 06	22/33 kv – 275.759	5136.01	579.09	5715.10
April 06	220 kv – 82.280	1456.36	172.79	1629.15
May 06	22/33 kv – 301.869	5622.31	633.92	6256.23
May 06	220 kv – 98.088	1736.16	205.98	1942.14
June 06	22/33 kv – 281.713	5246.90	591.59	5838.49
June 06	220 kv – 108.252	1916.06	227.33	2143.39

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 April, May and June 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 April to June 2006.

Adjustment for Over Recovery/Under Recovery (B)

REL has proposed to adjust Rs.413.76 lacs of FAC recovered in April 2006 against the incremental cost of Rs.324.18 lacs in February 2006. Thus, REL has computed adjustment factor (B) as Rs. 89.57 lacs of over recovery of FAC in the computation of FAC for April 2006.

In the month of May 2006 FAC computation, REL has proposed to adjust Rs.1629.04 lacs of FAC recovered in May 2006 against the incremental cost of Rs.1308.18 lacs in March 2006. Thus, REL has computed adjustment factor (B) as Rs. 320.86 lacs of over recovery of FAC.

In the month of June 2006 FAC computation, REL has proposed to adjust Rs.1474.45 lacs of FAC recovered in June 2006 against the incremental cost of Rs.1561.73 lacs in April 2006. Thus, REL has computed adjustment factor (B) as Rs. 120.36 lacs of over recovery of FAC comprising the difference of above plus carried forward adjustment attributable to application of ceiling limit of Rs. 33.18 lacs for the month of May 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 April 06 is 11.38%, for May 06 is 16.18% and for June 2006 is 9.20% as against normative level of 13.9%. FAC disallowed corresponding to excess T&D Loss for May 2006 is 51.49 lacs and is computed by multiplying excess T&D Loss (17.219 MU) with the FACkwh rate 29.90 paise /kWh. However, for April 2006 and June 2006 the T&D Loss is within the normative level of 13.9%.

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 24.96 paise/kWh, 30.41 paise/kWh and 33.22 paise/kWh for April, May and June 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 considering Cap is assessed at 24.96 Paise/kWh, at 29.90 Paise/kWh and at 29.90 Paise/kWh for April, May and June 2006 respectively.

Recovery of FAC:

The Commission has assessed FAC to be recovered in the month of April, May and June 2006 as Rs.1561.63 lacs, Rs.1892.70 lacs and Rs. 2002.59 lacs respectively. The FAC disallowed corresponding to excess T&D Loss is Rs.nil, Rs. 51.49lacs and Rs.nil for April, May and June 2006 respectively. The carried forward FAC for recovery during future period is Rs. nil, Rs. 33.18 lacs and Rs. 222.32 lacs for April, May and June 2006 respectively.

5. Summary of Results

The Summary of the Total Fuel Cost and Power Purchase Cost Adjustment (FAC), FAC Charge per unit (FAC_{kwh}) and FAC to be recovered considering the cap on monthly FAC Charge for April, May & June 2006 is given in the Table below:

Sr. No.	Parameter	Unit	REL Subm	Commission	REL Subm	Commission	REL Subm	Commission
			Apr 06		May 06		Jun 06	
1.0	**Calculation of FAC (A)**							
1.1	Disallowance of change in variable cost of generation corresponding to excess auxiliary consumption	Rs Lakh	2.01	2.01	5.19	5.19	3.45	3.45
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	1,651.20	1,651.20	2,298.23	2,298.23	2,104.55	2,104.56
1.3	Apportionment of change in variable cost of generation and power purchase to License Area (C)	Rs Lakh	1,651.20	1,651.20	2,298.23	2,298.23	2,104.55	2,104.56
1.4	Working Capital Interest (I)	Rs Lakh	-	-	-	-	-	-
1.5	Adjustment for Over Recovery/Under Recovery (B)	Rs Lakh	(89.57)	(89.57)	(320.86)	(320.86)	120.46	120.36
1.6	**FAC (A) = C + I + B**	Rs Lakh	1,561.63	1,561.63	1,977.37	1,977.37	2,225.01	2,224.92
2.0	**Calculation of FAC_{kWh}**							
2.1	Sale within License Area	MU	625.629	625.629	633.011	633.011	669.764	669.764
2.2	Excess T&D Loss	MU	-	-	17.220	17.219	-	-
2.3	FAC Charge (FAC_{kWh}) without considering cap on monthly FAC Charge	Paise/kWh	24.96	24.96	31.24	30.41	33.22	33.22
2.4	Cap on monthly FAC Charge	Paise/kWh	29.90	29.90	29.90	29.90	29.90	29.90
2.5	**FAC Charge (FAC_{kWh}) considering cap on monthly FAC Charge**	Paise/kWh	24.96	24.96	29.90	29.90	29.90	29.90
3.0	**FAC (A)**							
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	1,561.63	1,561.63	1,892.70	1,892.70	2,002.59	2,002.59
3.2	FAC (A) disallowed corresponding to excess T&D loss	Rs Lakh	-	-	51.49	51.49	-	-
3.3	Carried forward FAC (A) for recovery during future period	Rs Lakh	-	-	33.18	33.18	222.42	222.32

MONTH: APRIL 2006

Table	1.1							
Title	Energy Sales							
Sr. No.	Consumer Category	Unit	FY	Month & Year			Cumulative upto Month & Year	
			Order	Order	Actual April 2006	Reasons for material variation	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
1.0	**Energy Sales in License Area[1]**							
	Residential LF 1	MU			341.567			341.567
	Commercial LF 2	MU			111.736			111.736
	LTP1	MU			22.689			22.689
	LTP2	MU			76.674			76.674
	AGRI	MU			0.008			0.008
	TEMP	MU			0.427			0.427
	HTP Housing	MU			2.760			2.760
	HTP Industrial	MU			65.739			65.739
	Subtotal	**MU**			**621.600**			**621.600**
2.0	**Energy Sales outside License Area excluding Energy Sales reported at (3)**				-			**-**
3.0	**Energy Sales corresponding to specific utilisation of a particular Unit/Station[2] as per Order**	**MU**			-			**-**
4.0	**Total Energy Sales (1.0 + 2.0 + 3.0)**	**MU**			**621.600**			**621.600**
5.0	**Total Energy Sales excluding Energy Sales corresponding to specific utilisation of a particular Unit/Station as per Order (1.0 + 2.0)**	**MU**			**621.600**			**621.600**

Table	**1.2**									
Title	**Estimated Consumption**									
Sr. No.	**Consumer Category[1]**	**FY (Order)**			**Month & Year**				**Cumulative upto Month & Year**	
		Load	**Norm[2]**	**EC_{UM}[3]**	**Order**	**Load**	**ECUM3 APRIL 2006**	**Reasons for material variation**	**Order**	**ECUM3**
		HP	**hrs/ HP/ Year**	**MU**	**MU**	**HP**	**MU**		**MU**	**MU**
(A)	(B)	(F)	(F)	(D)	(E)	(G)	(H)	(I)	(J)	(K)
1.0	**Estimated Consumption for Unmetered - Street Light**						**4.029**			**4.029**

Table	**1.3**							
Title	**Energy Availability**							
Sr. No.	Sources of Generation Power Purcahse	**Unit**	**FY**	**Month & Year**			**Cumulative upto Month & Year**	
			Order	**Order**	**Actual April 2006**	**Reasons for material variation**	**Order**	**Actual**
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
1.0	**Generation**[1]							
1.1	**Capacity**							
	Generating Station DTPS	MW			500			500
1.2	**Availability**							
	Generating Station DTPS	%			100.00			100.00
1.3	**PLF**							
	Generating Station DTPS	%			104.66			104.66
1.4	**Gross Generation**							
	Generating Station DTPS	MU			376.766			376.766
1.5	**Auxiliary Consumption**							
	Generating Station DTPS	MU			28.813			28.813
1.6	**Net Generation (1.4-1.5)**							
	Generating StationDTPS	MU			347.953			347.953
2.0	**Net Power Purchase**[2]							
	Power Purchase TPC 22/33	MU			275.759			275.759
	Power Purchase TPC 220	MU			82.280			82.280
	Subtotal	**MU**			**358.039**			**358.039**
3.0	**Energy Available**	**MU**						
3.1	Gross Generation + Net Power Purchase (1.4+2.0)	MU			734.805			734.805
3.2	Net Generation + Net Power Purchase (1.6+2.0)	MU			705.992			705.992
3.3	Net Energy Available at transmission voltage	MU						
3.4	Net Energy Available at distribution voltage	MU						

Table	**1.4**							
Title	**T&D Loss**							
Sr. No.	**Parameter**	**Unit**	**FY**	**Month & Year**			**Cumulative upto Month & Year**	
			Order	**Order**	**Actual April 2006**	**Reasons for material variation**	**Order**	**Actual**
(A)	(B)	(C)	(D)	(E)	(F)	(H)	(I)	(J)
1.0	**Transmission and Stepdown Loss**[1]							
1.1	Net Energy Input at transmission voltages (Net Generation + Net Purchase)	MU			705.992		705.992	
1.2	Energy Sales at transmission voltages	MU			-		-	
1.3	Energy fed to Distribution System	MU			697.620		697.620	
1.4	Transmission and Stepdown Loss (1.1 - 1.2 - 1.3)	MU			8.372		8.372	
1.5	Transmission and Stepdown Loss as % of Net Energy Input (1.4 / 1.1)	%			1.19		1.19	
2.0	**Distribution Loss**[1]							
2.1	Net Energy Input (input from Transmission System + net energy input at distribution voltages)	MU			697.620		697.620	
2.2	Energy Sales (Metered) at distribution voltages	MU			621.600		621.600	
2.3	Estimated Consumption for Unmetered Categories	MU			4.029		4.029	
2.4	Distribution Loss (2.1 - 2.2 - 2.3)	MU			71.991		71.991	
2.5	Distribution Loss as % of net energy input (2.4 / 2.1)	%			10.32		10.32	
3.0	**Transmission and Distribution (T&D) Loss**							
3.1	Net Energy Input (i.e. Net Generation + Net Power Purchase)	MU			705.992		705.992	
3.2	Energy Sales (Metered + Unmetered) (1.2+2.2+2.3)	MU			625.629		625.629	
3.3	T&D Loss (3.1 - 3.2)	MU			80.363		80.363	
3.4	T&D Loss as % of Net Energy Input (3.3 / 3.1)	%		13.90%	11.38		11.38	
4.0	**Excess T&D Loss = T&D Loss (3.3) - T&Dapp x Net Energy Input (3.1)**	**MU**			**(17.770)**		(17.770)	

Table	**1.5**			
Title	**Excess Auxiliary Consumption**			
Sr. No.	**Parameter**	**Unit**	**April 2006**	**Cumulative upto Month & Year**
(A)	(B)	(C)	(F)	(I)
1.0	**Actual Auxiliary Consumption (Table 1.3, Sr. No. 1.5)**			
	Generating Station DTPS	MU	28.813	28.813
2.0	**Actual Auxiliary Consumption %**			
	Generating Station DTPS ***Note A***	%	7.65%	7.65%
3.0	**Normative Auxiliary Consumption[1]**			
	Generating Station DTPS (Normative : 7.34%)	MU	27.655	27.655
4.0	**Excess Auxiliary Consumption[2]**			
	Generating Station DTPS	MU	1.158	1.158

Table	**2.1**					
Title	**Fuel Calorific Value**					
Sr. No.	**Station / Unit**	**Parameter**	**Unit**	**FY**	**April 2006**	**Cumulative upto Month & Year**
				Order	**Actual**	**Actual**
(A)	(B)	(C)	(D)	(E)	(F)	(G)
1.0		**Calorific value of constituents of Fuel Basket specified at (2.0)**				
		Fuel basket 1 - Washed Coal	kcal/Kg		4,101	4,101
		Fuel basket 1 - Imported coal	kcal/Kg		5,069	5,069
		Fuel basket 1 - Total Coal			**4,301**	
		Fuel basket 2 - LDO	kcal/ltr		9543	9,543
		Fuel basket 2 - HFO	kcal/ltr		-	-
		Fuel basket 2 - Total Oil			**9543**	**9543**
2.0		**Calorific value of Fuel Basket specified in the Tariff Order**				
		Fuel Basket 1 - Coal	kcal/qty	4500	4,301	4301
		Fuel Basket 2 - Oil	kcal/ltr	10619	9,543	9543

Table 2.2 Fuel Inventory																		
Fuel[1]	**Unit of Qty**	**Opening Level**			**Purchase2 during month**			**Available at Plant Boundary2 during month**		**Consumption during month**					**Closing Inventory**			
		Qty	**Value**	**Rate**	**Qty**	**Value**	**Rate**	**Transit (Loss) Gain**	**Qty at Plant Boundary**	**Qty**	**Qty**	**Value**	**Price**	**Price**	Q t y	**Value**	**Rate**	
			Rs Lakh	**Rs/Qty**		**Rs Lakh**	**Rs/Qty**				**Mkcal**	**Rs Lakh**	**Rs/Qty**	**Rs/ Mkcal**		**Rs Lakh**	**Rs/Qty**	
(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L) = (H)-(K)	(M)	(N)	(O)	(P)	(Q)	(R)=(E)+(L)-(M)	(S)=(F)+(I)-(O)	(T)	
For the month of April 2006																		
Fuel -1 washed coal	MT	183,187	3,970.84	2,167.64	133,309	2,984.93	2,239.10	2,823	136,132	160,247	657,173	3,490.68	2,178.31	531	159,072	3,465.09	2,178.32	
Coal related exp												0.14						
Fuel -1 washed coal	MT	183,187	3,970.84	2,167.64	133,309	2,984.93	2,239.10	2,823	136,132	160,247	657,173	3,490.82	2,178.31	531	159,072	3,465.09	2,178.32	
Fuel 2- Imported Coal	MT	251,631	5,439.99	2,153.09	71,857	1,721.89	2,396.27	(126)	71,731	41,736	211,568	924.82	2,215.88	437	281,626	6,237.05	2,214.66	
												0.99						
Total Coal Basket	**MT**	**434,818**	**9,410.83**	**2,164.32**	**205,166**	**4,706.82**	**2,294.15**	**2,697**	**207,864**	**201,983**	**868,740**	**4,416.63**	**2,186.63**	**508**	440,698	**9,702.14**	**2,201.54**	
Fuel-3 LDO	KL	336.23	89.62	26,653.93				-	-	8.69	83	2.31	26,636.75	2,791	327.54	87.30	26,654.39	
Fuel-4 HFO	KL																	
Total Oil Basket	**KL**	**336.23**	**89.62**	**26,653.93**	**-**	**-**	**-**	**-**	**-**	**8.69**	**83**	**2.31**	**26,636.75**	**2,791**	**327.54**	**87.30**	**26,654.39**	
Total			**9,500.44**			**4,706.82**					**868,823**	**4,418.95**				**9,789.44**		

Table	**2.3**									
Title	**Fuel Cost**									
Sr. No.	**Station**	**Fuel Basket**	**Unit of Qty**	**Order for FY**		**April 2006**			**Cumulative Actual upto Month & Year**	
				Consumption[1]	**Fuel price[1]**	**Consumption[1]**	**Fuel price[1]**	**Reasons for material variation**	**Consumption[1]**	**Fuel Price[1]**
				Unit	**Rs/Unit**	**Mkcal**	**Rs/Mkcal**		**Mkcal**	**Rs/Mkcal**
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
		Fuel Basket -Coal				868,740	508		868,740	508
		Fuel Basket -Oil				83	2,791		83	2,791
		Total				**868,823**	**509**		**868,823**	**509**

Table	**2.4**						
Title	**Fuel Consumption by Various Generating Station/ Unit**						
Sr. No.	**Generating Station/Unit**	**Unit for Qty**	**Fuel Basket (FB) [1]**	**April 2006**		**Cumulative upto Month & Year**	
				Consumption	**Consumption**	**Consumption**	**Consumption**
				Qty	**Mkcal**	**Qty**	**Mkal**
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	Fuel consumption by Generating Station/Unit						
	Fuel-wise subtotal of consumption						
	Total fuel consumption -Coal	MT	Coal	201,983	868,740	201,983	868,740
	Total fuel consumption - Oil	KL	Oil	8.69	83	8.69	83
	Subtotal		**All fuels[2]**		**868,823**		**868,823**

Table	**2.5**							
Title	**Transit Loss on Fuel**							
Sr. No.	**Generating Station[1]**	**Fuel[1]**	**Order FY**	**Actual for Month & Year**				**Cumulative Actual upto Month & Year**
			Transit Loss	**Despatch[2]**	**Receipt[3]**	**Transit Loss**	**Reasons for material variation**	**Transit Loss**
			%	**Qty**	**Qty**	**%**		**%**
(A)	(B)		(C)	(D)	(E)	(F) = ((D)-(E))/(D)	(G)	(H)
	For the month of April 2006							
	Generating Station 'DTPS'	Coal		133,309	136,132	(2.12)		(2.12)

Table	**3.1**						
Title	**Heat Rate for Thermal Generating Station/Unit**						
Sr. No.	**Generating Station/Unit[1]**	**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)
	Actual for April 2006						
	Generating Station DTPS	2319	376.766	868,823	2306		2306

Table	**3.2**						
Title	**Secondary Oil Consumption for Thermal Generating Station/Unit**						
Sr. No.	**Generating Station/Unit [1]**	**Order (FY)**	**Actual**				**Cumulative actual upto Month & Year**
		Secondary Oil Consumption	**Gross Generation**	**Secondary Oil Consumption**	**Secondary Oil Consumption**	**Reasons for material variation**	**Secondary Oil Consumption**
		ml/kWh	**MU**	**kl**	**ml/kWh**		**ml/kWh**
(A)	(B)	(C)	(D)	(E)	(F) = (E)/(D)	(G)	(H)
	Actual for April 2006						
	Total for Thermal Generation - DTPS	0.2 (Ref Note A)	376.766	8.69	0.023		0.023

Table	**3.3**														
Sr. No.	**Generating Station/Unit[1] &2**	**Fuel Basket (FB)[1&2]**	Order for Month & Year			**Actual for Month & Year**				**Normative Actual Var. Cost[4] for Month & Year**			**Cumulative Actual upto Month & Year**		
			Generation[3]	**Var. Cost[3]**	**Var. Cost**	**Generation3**	**Reasons for Material Variation**	**Var. Cost3**	**Var. Cost**	**Generation[3]**	**Var. Cost3**	**Var. Cost**	**Generation3**	**Var. Cost3**	**Var. Cost**
			MU	**Rs/ kWh**	**Rs Lakh**	**MU**		**Rs/ kWh**	**Rs Lakh**	**MU**	**Rs/ kWh**	**Rs Lakh**	**MU**	**Rs/ kWh**	**Rs Lakh**
(A)	(B)	(C)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
	Actual for April 2006														
1.0	**Generating Station/Unit wise, Fuel Basket-wise details**														
	DTPS	COAL				376.766		1.172	4,416.63				376.766	1.1722	4,416.63
	DTPS	OIL				376.766		0.001	2.31				376.766	0.0006	2.31
	TOTAL			**1.006**		**376.766**		**1.173**	**4,418.95**	**376.766**	**1.179**	**4,443.86**	**376.766**	**1.1729**	**4,418.95**
2.0	**Generating Station/Unit wise summary**														
	DTPS	**All fuels**		**1.006**		**376.766**		**1.173**	**4,418.95**	**376.77**	**1.179**	**4,443.86**	**376.766**	**1.1729**	**4,418.95**
3.0	**Total for all Generating Stations/Units**														
	DTPS	**All fuels**		**1.006**		**376.766**		**1.173**	**4,418.95**	**376.77**	**1.179**	**4,443.86**	**376.77**	**1.1729**	**4,418.95**
4.0	**Generation corresponding to Utilisation of Specific Generating Station/Unit corresponding to sale mentioned at Table 1.1, Item 3[5]**					----------NA----------									
5.0	**Total for all Generating Stations/Units excl. generation reported at (4.0)**			**1.006**		**376.766**	**-**	**1.173**	**4,418.95**	**376.766**	**1.179**	**4,443.86**	**376.766**	**1.173**	**4,418.95**

Table	**3.4**							
Title	**Disallowance of FAC for Excess Auxiliary Consumption[1]**							
Sr. No.	**Generating Station/Unit**	**Fuel Basket (FB)**	**Month & Year**	**Actual for Month & Year**			**Cumulative actual upto Month & Year**	
			Excess Aux Cons[2]	**Change in Var. Cost[3]**	**Increase in Var. Cost[4]**	**Disallowance[5]**	**Excess Aux Cons[2]**	**Disallowance[5]**
			MU	**Rs/kWh**	**Rs/kWh**	**Rs Lakh**	**MU**	**Rs Lakh**
(A)	(B)	(C)	(D)	(E)	(F) = max(E,0)	(G) = (D) * (F)	(H)	(I)
	For the month of April 2006							
	Generating Station DTPS	Coal	1.158				1.158	
	Generating Station DTPS	Oil	1.158				1.158	
	TOTAL Generating Station DTPS	All Fuel	1.158	0.173	0.173	2.01	1.158	2.01

Table 4.1												
Sr. No.	**Power Purchase Source[2]**	Actual for Month & Year								**Cumulative Actual upto Month & Year**		
		Net Purchase3	**Tariff6**	**PP Amt7**	**FAC Unit[8]**	**FAC Rate[9]**	**FAC Amt[10]**	**Var. Cost Amt4**	**Var. Cost5**	**Net Purchase 3**	**Var. Cost Amt4**	Var. Cost5
		MU	**Rs/ kWh**	**Rs Lakh**	**MU**	**Rs/ kWh**	**Rs Lakh**	**Rs Lakh**	**Rs/ kWh**	**MU**	**Rs Lakh**	**Rs/ kWh**
(A)	(B)	(I)	(J)	(K)= (I)*(J)	(L)	(M)	(N)= (L)*(M)	(O)= (K)+(N)	(P)	(Q)	(R)	(S)=(R)/(Q)
	For the month of April 2006											
	Power Purchase TPC 22/33 Kv	275.759	1.862	5,136.01	275.759	0.210	579.09	5,715.10	2.072	275.759	5,715.10	2.072
	Power Purchase TPC 220 Kv	82.280	1.770	1,456.36	82.280	0.210	172.79	1,629.15	1.980	82.280	1,629.15	1.980
	Total Power Purchase	358.039		6,592.37	358.039		751.88	7,344.25	2.051	358.039	7,344.25	2.051

Table	**6.1**												
Title	**Composite variable cost of generation and power purchase**												
Sr. No.	**Parameter**	**Order for Month & Year ARR FY 2004-05**			**Actual for Month & Year**			**Normative Actual[4] for Month & Year**			Cumulative Actual upto **Month & Year**		
		Energy	**Var. Cost[2]**	**Var. Cost Amt[3]**	**Energy**	**Var. Cost[2]**	**Var. Cost Amt[3]**	**Energy**	**Var. Cost[2]**	**Var. Cost Amt[3]**	**Unit**	**Var. Cost[2]**	**Var. Cost Amt[3]**
		MU	**Rs/ kWh**	**Rs Lakh**	**MU**	**Rs/ kWh**	**Rs Lakh**	**MU**	**Rs/ kWh**	**Rs Lakh**	**MU**	**Rs/ kWh**	**Rs Lakh**
(A)	(B)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
	For the month of April 2006												
1.0	Own Generation[1] (Table No. 3.3, Sr. No. 5.0)	4,326.000	1.006	43,540.00	376.766	1.173	4,418.95	376.766	1.179	4,443.86	376.766	1.173	4,418.95
2.0	Disallowance of FAC for Excess Auxiliary Consumption (Table No. 3.4)	-	-		1.158	0.173	2.01	1.158	0.173	2.009	1.158	0.173	2.01
3.0	Net Power Purchase (Table No. 4.1)	3,401.200	1.853	63,038.49	358.039	2.051	7,344.25	358.039	2.051	7,344.25	358.039	2.051	7,344.25
4.0	Own Generation + Net Power Purchase (1.0-2.0+3.0)	7,727.200	1.379	106,578.49	733.647	1.603	11,761.19	734.805	1.604	11,786.10	733.65	1.603	11,761.19

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 April 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	1.604
3.0	Change in variable cost of generation and power purchase (2.0-1.0)	Rs/kWh	0.225
4.0	Generation[1] + Net Power Purchase (Table No.6.1 Sr. No.4.0, Col. No. (L))	MU	734.805
5.0	Change in variable cost of generation and power purchase (3.0 x 4.0)	Rs Lakh	1,651.20

Table	**6.4**				
Title	**Apportionment of change in variable cost of generation and power purchase (C) to License Area**				
Sr. No.	**Parameter**	**Unit**	**Sale within License Area**	**Sale outside License Area**	**Total Cummulative**
			April 2006		
(A)	(B)	(C)	(D)	(E)	(F) = (D) + (E)
1	**Energy Sales (Table 1.1, Sr. No. 5.0)**	**MU**	**621.600**		**621.600**
2	**Apportionment of Generation and Power purchase**				
2.1	Apportionment of hydel generation[1]	MU	**-**		**-**
2.2	Apportionment of net thermal generation and power purchase[2&3] (Table 3.3, Sr. No. 5.0)	MU	376.766		376.766
2.3	Apportionment of generation and power purchase (2.2 + 2.3)	MU	376.766		376.766
3	**Apportionment of change in variable cost of generation and power purchase (Table 6.2, Sr. No. 5.0) in proportion of 2.2 above**	**Rs Crore**	**16.51**		**16.51**

Table	**6.5**		
Title	**Working capital Interest (I)**		
Sr. No.	**Parameter**	**Unit**	**Value**
(A)	(B)	(C)	(D)
1.0	Working capital requirement attributable to recovery of FAC component	Rs Lakh	-
2.0	Interest on Working Capital	%	-
3.0	Interest on Working Capital[1]	Rs Lakh	-

Table	**6.6**		
Title	**Adjustment for Over-Recovery/Under-Recovery (B)**		
Sr. No.	**Parameter**	**Unit**	**Value**
(A)	(B)	(C)	(D)
	For the month of April 2006		
1.0	**Adjustment for over-recovery/under-recovery ('B')**		
1.1	Incremental cost allowed to be recoverd in Month j-4 (Feb 2006) (Specify Month & Year)	Rs Lakh	324.19
1.2	Incremental cost in Month j-4 (Feb 2006) actually recovered in month j-2 (April 2006) (Specify Month & Year)	Rs Lakh	413.76
1.3	(over-recovery)/under-recovery (1.2-1.1)	Rs Lakh	(89.57)
2.0	**Carried forward adjustment for over-recovery/under-recovery attributable to application of ceiling limit**	Rs Lakh	-
3.0	**Adjustment factor for over-recovery/under-recovery (1.3+2.0)**	Rs Lakh	(89.57)

Table	**6.7**		
Title	**Total Fuel Cost and Power Purchase Adjustment**		
Sr. No.	**Parameter**	**Unit**	**Value**
			April 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	1,651.20
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	(89.57)
4.0	FAC (A) = C + I + B (1.0 + 2.0 + 3.0)	Rs Lakh	1,561.63
5.0	Any unpredictable and uncontrollable expenses incurred (Z)[1]	Rs Lakh	-
6.0	FOCA (A) = C + I + B + Z (4.0 + 5.0)	Rs Lakh	-

Table	**7.1**		
Title	**Calculation of per unit FAC/FOCA Charge**		
Sr. No.	**Parameter**	**Unit**	**Value**
			April 2006
(A)	(B)	(C)	(D)
1.0	Energy Sales within License Area (Table 1.1, Sr. No.5.0)	MU	621.600
2.0	Estimated Consumption within License Area (Table 1.2, Sr. No. 4.0)	MU	4.029
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	1,561.63
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	24.96
6.0	Cap on monthly FAC/FOCA Charge		
6.1	Cap at 10% of the variable component of tariff[2]	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)[1]	Paise/kWh	24.96

Table	**7.3**		
Title	**Recovery of FAC/FOCA Charge**		
Sr. No.	**Parameter**	**Unit**	**Value**
			April 2006
(A)	(B)	(C)	(D)
1.0	FAC (A)/ FOCA (A) considering cap on Monthly FAC/FOCA Charge (Table 7.1, Sr. No. 6.0 x (Table 7.1, Sr. No. 1.0 + Table 7.1, Sr. No. 2.0))	Rs Lakh	1,561.63
2.0	FAC(A)/ FOCA (A) disallowed corresponding to excess T&D loss (Table 7.1, Sr. No. 7.0 x Table 7.1, Sr. No. 3.0)	Rs Lakh	-
3.0	Carried forward FAC (A)/ FOCA (A) for recovery during future period (Table 7.1, Sr. No. 4.0 - 1.0 - 2.0)	Rs Lakh	-

Table	**8.1**		
Title	**Summary of FAC (A) and FAC_{kWh}**		
Sr. No.	**Parameter**	**Unit**	**Value**
			April 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	2.01
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	1,651.20
1.3	Apportionment of change in variable cost of generation and power purchase to License Area (C)	Rs Lakh	1,651.20
1.4	Working Capital Interest (I)	Rs Lakh	-
1.5	Adjustment for Over Recovery/Under Recovery (B)	Rs Lakh	(89.57)
1.6	**FAC (A) = C + I + B**	Rs Lakh	1,561.63
2.0	**Calculation of FAC_{kWh}**		
2.1	Sale within License Area	MU	625.629
2.2	Excess T&D Loss	MU	-
2.3	FAC Charge (FAC_{kWh}) without considering cap on monthly FAC Charge	Paise/kWh	24.96
2.4	Cap on monthly FAC Charge	Paise/kWh	29.90
2.5	**FAC Charge (FAC_{kWh}) considering cap on monthly FAC Charge**	Paise/kWh	24.96
3.0	**FAC (A)**		
3.1	FAC (A) considering cap on Monthly FAC Charge	Rs Lakh	1,561.63
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	-

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Table	1.1							
Title	Energy Sales							
Sr. No.	Consumer Category	Unit	FY	Month & Year			Cumulative upto Month & Year	
			Order	Order	Actual May 2006	Reasons for material variation	Order	Actual
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
1.0	**Energy Sales in License Area[1]**							
	Residential LF 1	MU			343.163			684.730
	Commercial LF 2	MU			108.587			220.323
	LTP1	MU			21.918			44.607
	LTP2	MU			80.805			157.479
	AGRI	MU			0.005			0.013
	TEMP	MU			0.303			0.730
	HTP Housing	MU			2.838			5.598
	HTP Industrial	MU			71.410			137.149
	Subtotal	**MU**			**629.029**			**1,250.629**
2.0	**Energy Sales outside License Area excluding Energy Sales reported at (3)**				-			**-**
3.0	**Energy Sales corresponding to specific utilisation of a particular Unit/Station[2] as per Order**	**MU**			-			**-**
4.0	**Total Energy Sales (1.0 + 2.0 + 3.0)**	**MU**			**629.029**			**1,250.629**
5.0	**Total Energy Sales excluding Energy Sales corresponding to specific utilisation of a particular Unit/Station as per Order (1.0 + 2.0)**	**MU**			**629.029**			**1,250.629**

Table	**1.2**									
Title	**Estimated Consumption**									
Sr. No.	**Consumer Category[1]**	**FY (Order)**			**Month & Year**				**Cumulative upto Month & Year**	
1		**Load**	**Norm[2]**	**EC_{UM}[3]**	**Order**	**Load**	**ECUM3 May 2006**	**Reasons for material variation**	**Order**	**ECUM3**
		HP	**hrs/ HP/ Year**	**MU**	**MU**	**HP**	**MU**		**MU**	**MU**
(A)	(B)	(F)	(F)	(D)	(E)	(G)	(H)	(I)	(J)	(K)
1.0	**Estimated Consumption for Unmetered - Street Light**						**3.982**			**8.011**

Table	**1.3**							
Title	**Energy Availability**							
Sr. No.	**Source of Generation/Power Purchase**	**Unit**	**FY**	**Month & Year**			**Cumulative upto Month & Year**	
			Order	**Order**	**Actual May 2006**	**Reasons for material variation**	**Order**	**Actual**
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
1.0	**Generation**[1]							
1.1	**Capacity**							
	Generating Station DTPS	MW			500			500
1.2	**Availability**							
	Generating Station DTPS	%			99.15			94.08
1.3	**PLF**							
	Generating Station DTPS	%			103.61			97.93
1.4	**Gross Generation**							
	Generating Station DTPS	MU			385.423			762.189
1.5	**Auxiliary Consumption**							
	Generating Station DTPS	MU			30.176			58.989
1.6	**Net Generation (1.4-1.5)**							
	Generating StationDTPS	MU			355.247			703.200
2.0	**Net Power Purchase**[2]							
	Power Purchase TPC 22/33	MU			301.869			577.628
	Power Purchase TPC 220	MU			98.088			180.368
	Subtotal	**MU**			**399.957**			**757.996**
3.0	**Energy Available**	**MU**						
3.1	Gross Generation + Net Power Purchase (1.4+2.0)	MU			785.380			1,520.185
3.2	Net Generation + Net Power Purchase (1.6+2.0)	MU			755.204			1,461.196
3.3	Net Energy Available at transmission voltage	MU						
3.4	Net Energy Available at distribution voltage	MU						

Table	**1.4**							
Title	**T&D Loss**							
Sr. No.	**Parameter**	**Unit**	**FY**	**Month & Year**			**Cumulative upto Month & Year**	
			Order	**Order**	**Actual May 2006**	**Reasons for material variation**	**Order**	**Actual**
(A)	(B)	(C)	(D)	(E)	(F)	(H)	(I)	(J)
1.0	**Transmission and Stepdown Loss[1]**							
1.1	Net Energy Input at transmission voltages (Net Generation + Net Purchase)	MU			755.204		1,461.196	
1.2	Energy Sales at transmission voltages	MU			-		-	
1.3	Energy fed to Distribution System	MU			746.326		1,443.946	
1.4	Transmission and Stepdown Loss (1.1 - 1.2 - 1.3)	MU			8.878		17.250	
1.5	Transmission and Stepdown Loss as % of Net Energy Input (1.4 / 1.1)	%			1.18		1.18	
2.0	**Distribution Loss[1]**							
2.1	Net Energy Input (input from Transmission System + net energy input at distribution voltages)	MU			746.326		1,443.946	
2.2	Energy Sales (Metered) at distribution voltages	MU			629.029		1,250.629	
2.3	Estimated Consumption for Unmetered Categories	MU			3.982		8.011	
2.4	Distribution Loss (2.1 - 2.2 - 2.3)	MU			113.315		185.306	
2.5	Distribution Loss as % of net energy input (2.4 / 2.1)	%			15.18		12.83	
3.0	**Transmission and Distribution (T&D) Loss**							
3.1	Net Energy Input (i.e. Net Generation + Net Power Purchase)	MU			755.204		1,461.196	
3.2	Energy Sales (Metered + Unmetered) (1.2+2.2+2.3)	MU			633.011		1,258.640	
3.3	T&D Loss (3.1 - 3.2)	MU			122.193		202.556	
3.4	T&D Loss as % of Net Energy Input (3.3 / 3.1)	%		13.90%	16.18		13.86	
4.0	**Excess T&D Loss = T&D Loss (3.3) - T&Dapp x Net Energy Input (3.1)**	**MU**			**17.219**		(0.550)	

Table	**1.5**			
Title	**Excess Auxiliary Consumption**			
Sr. No.	**Parameter**	**Unit**	**May 2006**	**Cumulative upto Month & Year**
(A)	(B)	(C)	(F)	(I)
1.0	**Actual Auxiliary Consumption (Table 1.3, Sr. No. 1.5)**			
	Generating Station DTPS	MU	30.176	58.989
2.0	**Actual Auxiliary Consumption %**			
	Generating Station DTPS ***Note A***	%	7.83%	7.74%
3.0	**Normative Auxiliary Consumption**[1]			
	Generating Station DTPS (Normative : 7.34%)	MU	28.290	55.945
4.0	**Excess Auxiliary Consumption**[2]			
	Generating Station DTPS	MU	1.886	3.044

Table	**2.1**					
Title	**Fuel Calorific Value**					
Sr. No.	**Station/ Unit**	**Parameter**	**Unit**	**FY**	**May 2006**	**Cumulative upto Month & Year**
				Order	**Actual**	**Actual**
(A)	(B)	(C)	(D)	(E)	(F)	(G)
1.0		**Calorific value of constituents of Fuel Basket specified at (2.0)**				
		Fuel basket 1 - Washed Coal	kcal/Kg		3,779	3,940
		Fuel basket 1 - Imported coal	kcal/Kg		5,200	5,135
		Fuel basket 1 - Total Coal			**4,216**	**4,259**
		Fuel basket 2 - LDO	kcal/ltr		9,543	9,543
		Fuel basket 2 - HFO	kcal/ltr		-	-
		Fuel basket 2 - Total Oil			**9,543**	**9,543**
2.0		**Calorific value of Fuel Basket specified in the Tariff Order**				
		Fuel Basket 1 - Coal	kcal/qty		4,216	4,259
		Fuel Basket 2 - Oil	kcal/ltr		9,543	9,543

Table 2.2																	
	Fuel Inventory																
Fuel[1]	**Unit of Qty**	**Opening Level**			**Purchase2 during month**			**Available at Plant Boundary2 during month**		**Consumption during month**					**Closing Inventory**		
		Qty	**Value**	**Rate**	**Qty**	**Value**	**Rate**	**Transit (Loss) Gain**	**Qty at Plant Boundary**	**Qty**	**Qty**	**Value**	**Price**	**Price**	**Qty**	**Value**	**Rate**
			Rs Lakh	**Rs/Qty**		**Rs Lakh**	**Rs/Qty**				**Mkcal**	**Rs Lakh**	**Rs/Qty**	**Rs/ Mkcal**		**Rs Lakh**	**Rs/Qty**
C	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L) = (H)-(K)	(M)	(N)	(O)	(P)	(Q)	(R)=(E)+(L)-(M)	(S)=(F)+(I)-(O)	(T)
For the month of May 2006																	
Fuel -1 washed coal	MT	159,072	3,465.09	2,178.32	172,868	3,749.96	2,169.27	(3,395)	169,473	146,198	552,484	3,210.59	2,196.07	617	182,347	4,004.46	2,196.06
Coal related exp												199.81					
Fuel -1 washed coal	MT	159,072	3,465.09	2,178.32	172,868	3,749.96	2,169.27	(3,395)	169,473	146,198	552,484	3,410.40	2,196.07	617	182,347	4,004.46	2,196.06
Fuel 2- Imported Coal	MT	281,626	6,237.05	2,214.66	-	(0.62)	-	-	-	64,940	337,690	1,495.03	2,302.15	443	216,686	4,741.40	2,188.15
Total Coal Basket	**MT**	**440,698**	**9,702.14**	**2,201.54**	**172,868**	**3,749.34**	**2,168.91**	**(3,395)**	**169,473**	**211,138**	**890,174**	**4,905.43**	**2,323.33**	**551**	**399,033**	**8,745.86**	**2,191.77**
Fuel-3 LDO	KL	328	87.30	26,654.39	-	-	-	-	-	56.48	539	15.04	26,636.75	2,791	271	72.26	26,658.06
Fuel-4 HFO	KL																
Total Oil Basket	**KL**	**328**	**87.30**	**26,654.39**	**-**	**-**	**-**	**-**	**-**	**56.48**	**539**	**15.04**	**-**	**2,791**	**271**	**72.26**	**26,658.06**
Total			**9,789.44**			**3,749.34**					**890,713**	**4,920.47**		**552**		**8,818.12**	

Table	**2.3**									
Title	**Fuel Cost**									
Sr. No.	**Station**	**Fuel Basket**	**Unit of Qty**	**Order for FY**		**Actual for Month & Year**			**Cumulative Actual upto Month & Year**	
				Consumption[1]	**Fuel price[1]**	**Consumption[1]**	**Fuel price[1]**	**Reasons for material variation**	**Consumption[1]**	**Fuel Price[1]**
				Unit	**Rs/Unit**	**Mkcal**	**Rs/Mkcal**		**Mkcal**	**Rs/Mkcal**
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
	For the month of May 2006									
		Fuel Basket - Coal				890,174	551		1,758,914	530
		Fuel Basket -Oil				539	2,791		622	2,791
		Total				**890,713**	**552**		**1,759,536**	**531**

Table	2.4						
Title	Fuel Consumption by Various Generating Station/ Unit						
Sr. No.	Generating Station/Unit	Unit for Qty	Fuel Basket (FB) [1]	May 2006		Cumulative upto Month & Year	
				Consumption	Consumption	Consumption	Consumption
				Qty	Mkcal	Qty	Mkal
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	Fuel consumption by Generating Station/Unit						
	Fuel-wise subtotal of consumption						
	Total fuel consumption -Coal	MT	Coal	211,138	890,174	413,121	1,758,914
	Total fuel consumption - Oil	KL	Oil	56.48	539	65.17	622
	Subtotal		**All fuels[2]**		**890,713**		**1,759,536**

Table	2.5							
Title	Transit Loss on Fuel							
Sr. No.	Generating Station[1]	Fuel[1]	Order FY	Actual for Month & Year				Cumulative Actual upto Month & Year
			Transit Loss	Despatch[2]	Receipt[3]	Transit Loss	Reasons for material variation	Transit Loss
			%	Qty	Qty	%		%
(A)	(B)		(C)	(D)	(E)	(F) = ((D)-(E))/(D)	(G)	(H)
	For the month of May 2006							
	Generating Station 'DTPS'	Coal		172,868	169,473	1.96		0.32

Table	3.1						
Title	Heat Rate for Thermal Generating Station/Unit						
Sr. No.	Generating Station/Unit[1]	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 May 2006						
	Generating Station DTPS	2319	385.423	890,713	2311		2309

Table	3.2						
Title	Secondary Oil Consumption for Thermal Generating Station/Unit						
Sr. No.	Generating Station/Unit[1]	Order (FY)	Actual				Cumulative actual upto Month & Year
		Secondary Oil Consumption	Gross Generation	Secondary Oil Consumption	Secondary Oil Consumption	Reasons for material variation	Secondary Oil Consumption
		ml/kWh	MU	kl	ml/kWh		ml/kWh
(A)	(B)	(C)	(D)	(E)	(F) = (E)/(D)	(G)	(H)
	For the month of May 2006						
	Total for Thermal Generation - DTPS	0.2 (Ref Note A)	385.423	56.48	0.147		0.170

Table	3.3														
Sr. No.	Generating Station/Unit[1&2]	Fuel Basket (FB)[1&2]	Order for Month & Year			Actual for Month & Year				Normative Actual Var. Cost[4] for Month & Year			Cumulative Actual upto Month & Year		
			Generation[3]	Var. Cost[3]	Var. Cost	Generation3	Reasons for Material Variation	Var. Cost3	Var. Cost	Generation[3]	Var. Cost3	Var. Cost	Generation3	Var. Cost3	Var. Cost
			MU	Rs/ kWh	Rs Lakh	MU		Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh
(A)	(B)	(C)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
	For the month of May 2006														
1.0	**Generating Station/Unit wise, Fuel Basket-wise details**														
	DTPS	COAL				385.423		1.273	4,905.43				762.189	1.273	9,322.06
	DTPS	OIL				385.423		0.004	15.04				762.189	0.002	17.36
	TOTAL			**1.006**		**385.423**		**1.277**	**4,920.47**	**385.423**	**1.281**	**4,937.51**	**762.189**	**1.277**	**9,339.42**
2.0	**Generating Station/Unit wise summary**														
	DTPS	**All fuels**		**1.006**		**385.423**		**1.277**	**4,920.47**	**385.423**	**1.281**	**4,937.51**	**762.189**	**1.277**	**9,339.42**
3.0	**Total for all Generating Stations/Units**														
	DTPS	**All fuels**		**1.006**		**385.423**		**1.277**	**4,920.47**	**385.423**	**1.281**	**4,937.51**	**762.189**	**1.277**	**9,339.42**
4.0	**Generation corresponding to Utilisation of Specific Generating Station/Unit corresponding to sale mentioned at Table 1.1, Item 3[5]**					----------NA----------									
5.0	**Total for all Generating Stations/Units excl. generation reported at (4.0)**			**1.006**		**385.423**	**-**	**1.277**	**4,920.47**	**385.423**	**1.281**	**4,937.51**	**762.189**	**1.277**	**9,339.42**

Table	**3.4**							
Title	**Disallowance of FAC for Excess Auxiliary Consumption[1]**							
Sr. No.	**Generating Station/Unit**	**Fuel Basket (FB)**	**Month & Year**	**Actual for Month & Year**			**Cumulative actual upto Month & Year**	
			Excess Aux Cons[2]	**Change in Var. Cost[3]**	**Increase in Var. Cost[4]**	**Disallowance[5]**	**Excess Aux Cons[2]**	**Disallowance[5]**
			MU	**Rs/kWh**	**Rs/kWh**	**Rs Lakh**	**MU**	**Rs Lakh**
(A)	(B)	(C)	(D)	(E)	(F) = max(E,0)	(G) = (D) * (F)	(H)	(I)
	For the month of May 2006							
	Generating Station DTPS	Coal	1.886				3.044	
	Generating Station DTPS	Oil	1.886				3.044	
	TOTAL Generating Station DTPS	All Fuel	1.886	0.275	0.275	5.19	3.044	7.20

Table	**4.1**											
Sr. No.	**Power Purchase Source[2]**	**Actual for Month & Year**								**Cumulative Actual upto Month & Year**		
		Net Purchase3	**Tariff6**	**PP Amt7**	**FAC Unit[8]**	**FAC Rate[9]**	**FAC Amt[10]**	**Var. Cost Amt4**	**Var. Cost5**	**Net Purchase3**	**Var. Cost Amt4**	**Var. Cost5**
		MU	**Rs/ kWh**	**Rs Lakh**	**MU**	**Rs/ kWh**	**Rs Lakh**	**Rs Lakh**	**Rs/ kWh**	**MU**	**Rs Lakh**	**Rs/ kWh**
(A)	(B)	(I)	(J)	(K)= (I)*(J)	(L)	(M)	(N)= (L)*(M)	(O)= (K)+(N)	(P)	(Q)	(R)	(S)=(R)/(Q)
	For the month of May 2006											
	Power Purchase TPC 22/33 Kv	301.869	1.8625	5,622.31	301.869	0.210	633.92	6,256.23	2.072	577.628	11,971.33	2.072
	Power Purchase TPC 220 Kv	98.088	1.7700	1,736.16	98.088	0.210	205.98	1,942.14	1.980	180.368	3,571.29	1.980
	Total Power Purchase	399.957		7,358.46	399.96		839.91	8,198.37	2.050	757.996	15,542.62	2.050

Table	6.1												
Title	Composite variable cost of generation and power purchase												
Sr. No.	Parameter	Order for Month & Year ARR FY 2004-05			Actual for Month & Year			Normative Actual[4] for Month & Year			Cumulative Actual upto Month & Year		
		Energy	Var. Cost[2]	Var. Cost Amt[3]	Energy	Var. Cost[2]	Var. Cost Amt[3]	Energy	Var. Cost[2]	Var. Cost Amt[3]	Unit	Var. Cost[2]	Var. Cost Amt[3]
		MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs. Lakhs
(A)	(B)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
	For the month of May 2006												
1.0	Own Generation[1] (Table No. 3.3, Sr. No. 5.0)	4,326.000	1.006	43,540.00	385.423	1.277	4,920.47	385.423	1.281	4,937.51	762.189	1.225	9,339.42
2.0	Disallowance of FAC for Excess Auxiliary Consumption (Table No. 3.4)	-	-		1.886	0.275	5.19			5.19	3.044	0.236	7.20
3.0	Net Power Purchase (Table No. 4.1)	3,401.200	1.853	63,038.49	399.957	2.050	8,198.37	399.957	2.050	8,198.37	757.996	2.050	15,542.62
4.0	Own Generation + Net Power Purchase (1.0-2.0+3.0)	7,727.200	1.379	106,578.49	783.494	1.674	13,113.66	785.380	1.672	13,130.69	1,517.14	1.640	24,874.85

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 May 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	1.672
3.0	Change in variable cost of generation and power purchase (2.0-1.0)	Rs/kWh	0.293
4.0	Generation[1] + Net Power Purchase (Table No.6.1 Sr. No.4.0, Col. No. (L))	MU	785.380
5.0	Change in variable cost of generation and power purchase (3.0 x 4.0)	Rs Lakh	2,298.23

Table	**6.4**				
Title	**Apportionment of change in variable cost of generation and power purchase (C) to License Area**				
Sr. No.	**Parameter**	**Unit**	**Sale within License Area**	**Sale outside License Area**	**Total Cummulative**
			May 2006		
(A)	(B)	(C)		(E)	(F) = (D) + (E)
1	**Energy Sales (Table 1.1, Sr. No. 5.0)**	**MU**	**629.029**		**1,250.629**
2	**Apportionment of Generation and Power purchase**				
2.1	Apportionment of hydel generation[1]	MU	-		-
2.2	Apportionment of net thermal generation and power purchase[2&3] (Table 3.3, Sr. No. 5.0)	MU	385.423		762.189
2.3	Apportionment of generation and power purchase (2.2 + 2.3)	MU	385.423		762.189
3	**Apportionment of change in variable cost of generation and power purchase (Table 6.2, Sr. No. 5.0) in proportion of 2.2 above**	**Rs Crore**	**22.98**		**39.49**

Table	**6.5**		
Title	**Working capital Interest (I)**		
Sr. No.	**Parameter**	**Unit**	**Value**
(A)	(B)	(C)	(D)
1.0	Working capital requirement attributable to recovery of FAC component	Rs Lakh	-
2.0	Interest on Working Capital	%	-
3.0	Interest on Working Capital[1]	Rs Lakh	-

Table	**6.6**		
Title	**Adjustment for Over-Recovery/Under-Recovery (B)**		
Sr. No.	**Parameter**	**Unit**	**Value**
(A)	(B)	(C)	(D)
	For the month of May 2006		
1.0	**Adjustment for over-recovery/under-recovery ('B')**		
1.1	Incremental cost allowed to be recoverd in Month j-4 (Mar 2006) (Specify Month & Year)	Rs Lakh	1,308.18
1.2	Incremental cost in Month j-4 (Mar 2006) actually recovered in month j-2 (May 2006) (Specify Month & Year)	Rs Lakh	1,629.04
1.3	(over-recovery)/under-recovery (1.2-1.1)	Rs Lakh	(320.86)
2.0	**Carried forward adjustment for over-recovery/under-recovery attributable to application of ceiling limit**	Rs Lakh	-
3.0	**Adjustment factor for over-recovery/under-recovery (1.3+2.0)**	Rs Lakh	(320.86)

Table	**6.7**		
Title	**Total Fuel Cost and Power Purchase Adjustment**		
Sr. No.	**Parameter**	**Unit**	**Value**
			May 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	2,298.23
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	(320.86)
4.0	FAC (A) = C + I + B (1.0 + 2.0 + 3.0)	Rs Lakh	1,977.37
5.0	Any unpredictable and uncontrollable expenses incurred (Z)[1]	Rs Lakh	-
6.0	FOCA (A) = C + I + B + Z (4.0 + 5.0)	Rs Lakh	1,977.37

Table	**7.1**		
Title	**Calculation of per unit FAC/FOCA Charge**		
Sr. No.	**Parameter**	**Unit**	**Value**
			May 2006
(A)	(B)	(C)	(D)
1.0	Energy Sales within License Area (Table 1.1, Sr. No.5.0)	MU	629.029
2.0	Estimated Consumption within License Area (Table 1.2, Sr. No. 4.0)	MU	3.982
3.0	Excess T&D Loss (Table 1.4, Sr. No. 4.0)	MU	17.219
4.0	Total FAC (Table 6.7, Sr. No. 4.0) or Total FOCA (Table 6.7, Sr. No. 6.0)	Rs Lakh	1,977.37
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	30.41
6.0	Cap on monthly FAC/FOCA Charge		
6.1	Cap at 10% of the variable component of tariff[2]	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)[1]	Paise/kWh	29.90

Table	**7.3**		
Title	**Recovery of FAC/FOCA Charge**		
Sr. No.	**Parameter**	**Unit**	**Value**
			May 2006
(A)	(B)	(C)	(D)
1.0	FAC (A)/ FOCA (A) considering cap on Monthly FAC/FOCA Charge (Table 7.1, Sr. No. 6.0 x (Table 7.1, Sr. No. 1.0 + Table 7.1, Sr. No. 2.0))	Rs Lakh	1,892.70
2.0	FAC(A)/ FOCA (A) disallowed corresponding to excess T&D loss (Table 7.1, Sr. No. 7.0 x Table 7.1, Sr. No. 3.0)	Rs Lakh	51.49
3.0	Carried forward FAC (A)/ FOCA (A) for recovery during future period (Table 7.1, Sr. No. 4.0 - 1.0 - 2.0)	Rs Lakh	33.18

Table	**8.1**		
Title	**Summary of FAC (A) and FAC_{kWh}**		
Sr. No.	**Parameter**	**Unit**	**Value**
			May 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	5.19
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 conumption	Rs Lakh	2,298.23
1.3	Apportionment of change in variable cost of generation and power purchase to License Area (C)	Rs Lakh	2,298.23
1.4	Working Capital Interest (I)	Rs Lakh	-
1.5	Adjustment for Over Recovery/Under Recovery (B)	Rs Lakh	(320.86)
1.6	**FAC (A) = C + I + B**	Rs Lakh	1,977.37
2.0	**Calculation of FAC_{kWh}**		
2.1	Sale within License Area	MU	633.011
2.2	Excess T&D Loss	MU	17.219
2.3	FAC Charge (FAC_{kWh}) without considering cap on monthly FAC Charge	Paise/kWh	30.41
2.4	Cap on monthly FAC Charge	Paise/kWh	29.90
2.5	**FAC Charge (FAC_{kWh}) 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	1,892.70
3.2	FAC (A) disallowed corresponding to excess T&D loss	Rs Lakh	51.49
3.3	Carried forward FAC (A) for recovery during future period	Rs Lakh	33.18

MONTH : JUNE 2006

Table	1.1							
Title	Energy Sales							
Sr. No.	Consumer Category	Unit	FY	Month & Year			Cumulative upto Month & Year	
			Order	Order	Actual June 2006	Reasons for material variation	Order	Actual
(A)	(B)	(C)	(D)	(E)		(G)	(H)	(I)
1.0	**Energy Sales in License Area[1]**							
	Residential LF 1	MU			370.518			1,055.248
	Commercial LF 2	MU			113.460			333.783
	LTP1	MU			23.133			67.740
	LTP2	MU			85.801			243.280
	AGRI	MU			0.004			0.017
	TEMP	MU			0.108			0.838
	HTP Housing	MU			2.793			8.391
	HTP Industrial	MU			70.254			207.403
	Subtotal	**MU**			**666.071**			**1,916.700**
2.0	**Energy Sales outside License Area excluding Energy Sales reported at (3)**							-
3.0	**Energy Sales corresponding to specific utilisation of a particular Unit/Station[2] as per Order**	**MU**						-
4.0	**Total Energy Sales (1.0 + 2.0 + 3.0)**	**MU**			**666.071**			**1,916.700**
5.0	**Total Energy Sales excluding Energy Sales corresponding to specific utilisation of a particular Unit/Station as per Order (1.0 + 2.0)**	**MU**			**666.071**			**1,916.700**

Table	**1.2**									
Title	**Estimated Consumption**									
Sr. No.	**Consumer Category[1]**	**FY (Order)**			**Month & Year**				**Cumulative upto Month & Year**	
		Load	**Norm[2]**	**EC_{UM}[3]**	**Order**	**Load**	**ECUM3 June 2006**	**Reasons for material variation**	**Order**	**ECUM3**
		HP	**hrs/ HP/ Year**	**MU**	**MU**	**HP**	**MU**		**MU**	**MU**
(A)	(B)	(F)	(F)	(D)	(E)	(G)	(H)	(I)	(J)	(K)
1.0	**Estimated Consumption for Unmetered - Street Light**						**3.693**			**11.704**

Table	1.3							
Title	Energy Availability							
Sr. No.	Source of Generation/Power Purchase	Unit	FY	Month & Year			Cumulative upto Month & Year	
			Order	Order	Actual June 2006	Reasons for material variation	Order	Actual
(A)	(B)	(C)	(D)	(E)		(G)	(H)	(I)
1.0	**Generation**[1]							
1.1	**Capacity**							
	Generating Station DTPS	MW			500			500
1.2	**Availability**							
	Generating Station DTPS	%			99.87			94.08
1.3	**PLF**							
	Generating Station DTPS	%			104.64			97.93
1.4	**Gross Generation**							
	Generating Station DTPS	MU			376.695			1,138.884
1.5	**Auxiliary Consumption**							
	Generating Station DTPS	MU			29.075			88.064
1.6	**Net Generation (1.4-1.5)**							
	Generating StationDTPS	MU			347.620			1,050.820
2.0	**Net Power Purchase**[2]							
	Power Purchase TPC 22/33	MU			281.713			859.341
	Power Purchase TPC 220	MU			108.252			288.620
	Subtotal	**MU**			**389.965**			**1,147.961**
3.0	**Energy Available**	**MU**						
3.1	Gross Generation + Net Power Purchase (1.4+2.0)	MU			766.660			2,286.845
3.2	Net Generation + Net Power Purchase (1.6+2.0)	MU			737.585			2,198.781
3.3	Net Energy Available at transmission voltage	MU						
3.4	Net Energy Available at distribution voltage	MU						

Table	**1.4**							
Title	**T&D Loss**							
Sr. No.	**Parameter**	**Unit**	**FY**	**Month & Year**			**Cumulative upto Month & Year**	
			Order	**Order**	**Actual June 2006**	**Reasons for material variation**	**Order**	**Actual**
(A)	(B)	(C)	(D)	(E)		(H)	(I)	(J)
1.0	**Transmission and Stepdown Loss[1]**							
1.1	Net Energy Input at transmission voltages (Net Generation + Net Purchase)	MU			737.585		2,198.781	
1.2	Energy Sales at transmission voltages	MU			-		-	
1.3	Energy fed to Distribution System	MU			728.828		2,172.774	
1.4	Transmission and Stepdown Loss (1.1 - 1.2 - 1.3)	MU			8.757		26.007	
1.5	Transmission and Stepdown Loss as % of Net Energy Input (1.4 / 1.1)	%			1.19		1.18	
2.0	**Distribution Loss[1]**							
2.1	Net Energy Input (input from Transmission System + net energy input at distribution voltages)	MU			728.828		2,172.774	
2.2	Energy Sales (Metered) at distribution voltages	MU			666.071		1,916.700	
2.3	Estimated Consumption for Unmetered Categories	MU			3.693		11.704	
2.4	Distribution Loss (2.1 - 2.2 - 2.3)	MU			59.064		244.370	
2.5	Distribution Loss as % of net energy input (2.4 / 2.1)	%			8.10		11.25	
3.0	**Transmission and Distribution (T&D) Loss**							
3.1	Net Energy Input (i.e. Net Generation + Net Power Purchase)	MU			737.585		2,198.781	
3.2	Energy Sales (Metered + Unmetered) (1.2+2.2+2.3)	MU			669.764		1,928.404	
3.3	T&D Loss (3.1 - 3.2)	MU			67.821		270.377	
3.4	T&D Loss as % of Net Energy Input (3.3 / 3.1)	%		13.90%	9.20		12.30	
4.0	**Excess T&D Loss = T&D Loss (3.3) - T&Dapp x Net Energy Input (3.1)**	**MU**			**(34.703)**		(35.254)	

Table	**1.5**			
Title	**Excess Auxiliary Consumption**			
Sr. No.	**Parameter**	**Unit**	**June 2006**	**Cumulative upto Month & Year**
(A)	(B)	(C)	(F)	(I)
1.0	**Actual Auxiliary Consumption (Table 1.3, Sr. No. 1.5)**			
	Generating Station DTPS	MU	29.075	88.064
2.0	**Actual Auxiliary Consumption %**			
	Generating Station DTPS ***Note A***	%	7.72%	7.73%
3.0	**Normative Auxiliary Consumption**[1]			
	Generating Station DTPS (Normative : 7.34%)	MU	27.649	83.594
4.0	**Excess Auxiliary Consumption**[2]			
	Generating Station DTPS	MU	1.426	4.470

Table	**2.1**					
Title	**Fuel Calorific Value**					
Sr. No.	**Station/ Unit**	**Parameter**	**Unit**	**FY**	**June 2006**	**Cumulative upto Month & Year**
				Order	**Actual**	**Actual**
(A)	(B)	(C)	(D)	(E)	(F)	(G)
1.0		**Calorific value of constituents of Fuel Basket specified at (2.0)**				
		Fuel basket 1 - Washed Coal	kcal/Kg		3,794	3,891
		Fuel basket 1 - Imported coal	kcal/Kg		4,909	5,059
		Fuel basket 1 - Total Coal			**4,067**	**4,195**
		Fuel basket 2 - LDO	kcal/ltr		9584	9,556
		Fuel basket 2 - HFO	kcal/ltr		0	-
		Fuel basket 2 - Total Oil			**9584**	**9,556**
2.0		**Calorific value of Fuel Basket specified in the Tariff Order**				
		Fuel Basket 1 - Coal	kcal/qty		4,067	4,195
		Fuel Basket 2 - Oil	kcal/ltr		9,584	9,556

Table2.2 Fuel Inventory																	
Fuel[1]	**Unit of Qty**	**Opening Level**			**Purchase2 during month**			**Available at Plant Boundary2 during month**		**Consumption during month**					**Closing Inventory**		
		Qty	**Value**	**Rate**	**Qty**	**Value**	**Rate**	**Transit (Loss) Gain**	**Qty at Plant Boundary**	**Qty**	**Qty**	**Value**	**Price**	**Price**	**Qty**	**Value**	**Rate**
			Rs Lakh	**Rs/Qty**		**Rs Lakh**	**Rs/Qty**				**Mkcal**	**Rs Lakh**	**Rs/Qty**	**Rs/ Mkcal**		**Rs Lakh**	**Rs/Qty**
(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L) = (H)-(K)	(M)	(N)	(O)	(P)	(Q)	(R)=(E)+(L)-(M)	(S)=(F)+(I)-(O)	(T)
For the month of June 2006																	
Fuel -1 washed coal	MT	182,347	4,004.46	2,196.06	159,644	3,448.66	2,160.22	(3,193)	156,451	161,782	613,796	3,558.99	2,199.87	583	177,016	3894.13	2,199.87
Coal related exp												18.78					
Fuel -1 washed coal	MT	182,347	4,004.46	2,196.06	159,644	3,448.66	2,160.22	(3,193)	156,451	161,782	613,796	3,577.77	2,199.87	583	177,016	3,894.13	2,199.87
Fuel 2-Imported Coal	MT	216,686	4,741.40	2,188.15			-	-	-	52,570	258,063	1,109.09	2,109.73	430	164,116	3632.32	2,213.27
Total Coal Basket	**MT**	**399,033**	**8,745.86**	**2,191.77**	**159,644**	**3,448.66**	**2,160.22**	**(3,193)**	**156,451**	**214,352**	**871,859**	**4,686.86**	**2,186.53**	**538**	**341,132**	**7,526.45**	**2,206.32**
Fuel-3 LDO	KL	271	72.26	26,658.06	80	22.80	28,506.13	-	80	19.86	190	5.37	27,062.49	2,824	331	89.69	27,080.21
Increase in Freight												0.05					
Fuel-4 HFO	KL																
Total Oil Basket	**KL**	**271**	**72.26**	**26,658.06**	**80**	**22.80**	**28,506.13**	**-**	**80**	**20**	**190**	**5.42**	**-**	**2,849**	**331**	**89.64**	**27,065.72**
Total			**8,818.12**			**3,471.47**					**872,049**	**4,692.28**				**7,616.09**	

Table	**2.3**									
Title	**Fuel Cost**									
Sr. No.	**Station**	**Fuel Basket**	**Unit of Qty**	**Order for FY**		**Actual for Month & Year**			**Cumulative Actual upto Month & Year**	
				Consumption[1]	**Fuel price[1]**	**Consumption[1]**	**Fuel price[1]**	**Reasons for material variation**	**Consumption[1]**	**Fuel Price[1]**
				Unit	**Rs/Unit**	**Mkcal**	**Rs/Mkcal**		**Mkcal**	**Rs/Mkcal**
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
	For the month of June 2006									
		Fuel Basket - Coal				871,859	538		2,630,773	533
		Fuel Basket - Oil				190	2,849		812	2,805
		Total				**872,049**	**538**		**2,631,585**	**533**

Table	**2.4**						
Title	**Fuel Consumption by Various Generating Station/ Unit**						
Sr. No.	**Generating Station/Unit**	**Unit for Qty**	**Fuel Basket (FB) [1]**	**June 2006**		**Cumulative upto Month & Year**	
				Consumption	**Consumption**	**Consumption**	**Consumption**
				Qty	**Mkcal**	**Qty**	**Mkal**
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	Fuel consumption by Generating Station/Unit						
	Fuel-wise subtotal of consumption						
	Total fuel consumption -Coal	MT	Coal	214,352	871,859	627,473	2,630,773
	Total fuel consumption - Oil	KL	Oil	19.86	190	85.03	812
	Subtotal		**All fuels[2]**		**872,049**		**2,631,585**

Table	**2.5**							
Title	**Transit Loss on Fuel**							
Sr. No.	**Generating Station[1]**	**Fuel[1]**	**Order FY**	**Actual for Month & Year**				**Cumulative Actual upto Month & Year**
			Transit Loss	**Despatch[2]**	**Receipt[3]**	**Transit Loss**	**Reasons for material variation**	**Transit Loss**
			%	**Qty**	**Qty**	**%**		**%**
(A)	(B)		(C)	(D)	(E)	(F) = ((D)-(E))/(D)	(G)	(H)
	For the month of June 2006							
	Generating Station 'DTPS'	Coal		159,644	156,451	2.00		0.88

Table	3.1						
Title	Heat Rate for Thermal Generating Station/Unit						
Sr. No.	Generating Station/Unit[1]	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 June 2006						
	Generating Station DTPS	2319	376.695	872,049	2315		2311

Table	3.2						
Title	Secondary Oil Consumption for Thermal Generating Station/Unit						
Sr. No.	Generating Station/Unit[1]	Order (FY)	Actual				Cumulative actual upto Month & Year
		Secondary Oil Consumption	Gross Generation	Secondary Oil Consumption	Secondary Oil Consumption	Reasons for material variation	Secondary Oil Consumption
		ml/kWh	MU	kl	ml/kWh		ml/kWh
(A)	(B)	(C)	(D)	(E)	(F) = (E)/(D)	(G)	(H)
	For the month of June 2006						
	Total for Thermal Generation - DTPS	0.2 (Ref Note A)	376.695	19.86	0.053		0.075

Table	3.3														
Sr. No.	Generating Station/Unit[1&2]	Fuel Basket (FB)[1&2]	Order for Month & Year			Actual for Month & Year				Normative Actual Var. Cost[4] for Month & Year			Cumulative Actual upto Month & Year		
			Generation[3]	Var. Cost[3]	Var. Cost	Generation3	Reasons for Material Variation	Var. Cost3	Var. Cost	Generation[3]	Var. Cost3	Var. Cost	Generation3	Var. Cost3	Var. Cost
			MU	Rs/ kWh	Rs Lakh	MU		Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh	MU	Rs/ kWh	Rs Lakh
(A)	(B)	(C)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
1.0	**Generating Station/Unit wise, Fuel Basket-wise details**														
	DTPS	COAL				376.695		1.244	4,686.86				1,138.884	1.244	14,008.92
	DTPS	OIL				376.695		0.001	5.42				1,138.884	0.002	22.78
	TOTAL			**1.006**		**376.695**		**1.246**	**4,692.28**	**376.695**	**1.248**	**4,700.39**	**1,138.884**	**1.246**	**14,031.70**
2.0	**Generating Station/Unit wise summary**														
	Generating Station/Unit 1	All fuels													
	Generating Station/Unit 2	All fuels													
	…														
	DTPS	**All fuels**		**1.006**		**376.695**		**1.246**	**4,692.28**	**376.695**	**1.248**	**4,700.39**	**1,138.884**	**1.246**	**14,031.70**
3.0	**Total for all Generating Stations/Units**														
	DTPS	**All fuels**		**1.006**		**376.695**		**1.246**	**4,692.28**	**376.695**	**1.248**	**4,700.39**	**1,138.884**	**1.246**	**14,031.70**
4.0	**Generation corresponding to Utilisation of Specific Generating Station/Unit corresponding to sale mentioned at Table 1.1, Item 3[5]**					----------NA----------									
5.0	**Total for all Generating Stations/Units excl. generation reported at (4.0)**			**1.006**		**376.695**		**1.246**	**4,692.28**	**376.695**	**1.248**	**4,700.39**	**1,138.884**	**1.246**	**14,031.70**

Table	**3.4**							
Title	**Disallowance of FAC for Excess Auxiliary Consumption[1]**							
Sr. No.	**Generating Station/Unit**	**Fuel Basket (FB)**	**Month & Year**	**Actual for Month & Year**			**Cumulative actual upto Month & Year**	
			Excess Aux Cons[2]	**Change in Var. Cost[3]**	**Increase in Var. Cost[4]**	**Disallowance[5]**	**Excess Aux Cons[2]**	**Disallowance[5]**
			MU	**Rs/kWh**	**Rs/kWh**	**Rs Lakh**	**MU**	**Rs Lakh**
(A)	(B)	(C)	(D)	(E)	(F) = max(E,0)	(G) = (D) * (F)	(H)	(I)
	For the month of June 2006							
	Generating Station DTPS	Coal	1.426				4.470	
	Generating Station DTPS	Oil	1.426				4.470	
	TOTAL Generating Station DTPS	All Fuel	1.426	0.242	0.242	3.45	4.470	10.64

Table	4.1														
Title	Variable cost of power purchase[1&11]														
Sr. No.	Power Purchase Source[2]	Order (FY)			Actual for Month & Year								Cumulative Actual upto Month & Year		
		Net Purchase[3]	Var. Cost[5]	Var. Cost Amt[4]	Net Purchase 3	Tariff6	PP Amt7	FAC Unit[8]	FAC Rate[9]	FAC Amt[10]	Var. Cost Amt4	Var. Cost5	Net Purchase3	Var. Cost Amt4	Var. Cost5
		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)	(I)	(J)	(K)= (I)*(J)	(L)	(M)	(N)= (L)*(M)	(O)= (K)+(N)	(P)	(Q)	(R)	(S)=(R)/(Q)
	For the month of June 2006														
	Power Purchase TPC 22/33 Kv				281.713	1.862	5,246.90	281.713	0.210	591.59	5,838.49	2.072	859.341	17,809.82	2.072
	Power Purchase TPC 220 Kv				108.252	1.770	1,916.06	108.252	0.210	227.33	2,143.39	1.980	288.620	5,714.68	1.980
	Total Power Purchase				389.965		7,162.96	389.965		818.92	7,981.88	2.047	1,147.961	23,524.50	2.049

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[4] for Month & Year**			Cumulative Actual upto Month & Year		
		Energy	**Var. Cost[2]**	**Var. Cost Amt[3]**	**Energy**	**Var. Cost[2]**	**Var. Cost Amt[3]**	**Energy**	**Var. Cost[2]**	**Var. Cost Amt[3]**	**Energy**	**Var. Cost[2]**	**Var. Cost Amt[3]**	units	**Var. Cost[2]**	**Var. Cost Amt[3]**
		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 June 2006															
1.0	Own Generation[1] (Table No. 3.3, Sr. No. 5.0)				4,326.000	1.006	43,540.00	376.695	1.246	4,692.28	376.695	1.248	4,700.39	1138.884	1.232	14,031.70
2.0	Disallowance of FAC for Excess Auxiliary Consumption (Table No. 3.4)				-	-		1.426	0.242	3.45			3.45	4.470	0.238	10.64
3.0	Net Power Purchase (Table No. 4.1)				3,401.200	1.853	63,038.49	389.965	2.047	7,981.88	389.965	2.047	7,981.88	1147.961	2.049	23,524.50
4.0	Own Generation + Net Power Purchase (1.0-2.0+3.0)				7,727.200	1.379	106,578.49	765.234	1.656	12,670.71	766.660	1.654	12,678.82	2,282.38	1.645	37,545.56

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 June 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	1.654
3.0	Change in variable cost of generation and power purchase (2.0-1.0)	Rs/kWh	0.275
4.0	Generation[1] + Net Power Purchase (Table No.6.1 Sr. No.4.0, Col. No. (L))	MU	766.660
5.0	Change in variable cost of generation and power purchase (3.0 x 4.0)	Rs Lakh	2,104.56

Table	**6.4**				
Title	**Apportionment of change in variable cost of generation and power purchase (C) to License Area**				
Sr. No.	**Parameter**	**Unit**	**Sale within License Area**	**Sale outside License Area**	**Total Cummulative**
			June 2006		
(A)	(B)	(C)	(D)	(E)	(F) = (D) + (E)
1	**Energy Sales (Table 1.1, Sr. No. 5.0)**	**MU**	**666.071**		**1,250.629**
2	**Apportionment of Generation and Power purchase**				
2.1	Apportionment of hydel generation[1]	MU	-		-
2.2	Apportionment of net thermal generation and power purchase[2&3] (Table 3.3, Sr. No. 5.0)	MU	376.695		1,138.884
2.3	Apportionment of generation and power purchase (2.2 + 2.3)	MU	376.695		1,138.884
3	**Apportionment of change in variable cost of generation and power purchase (Table 6.2, Sr. No. 5.0) in proportion of 2.2 above**	**Rs Crore**	**21.05**		**60.54**

Table	**6.5**		
Title	**Working capital Interest (I)**		
Sr. No.	**Parameter**	**Unit**	**Value**
(A)	(B)	(C)	(D)
1.0	Working capital requirement attributable to recovery of FAC component	Rs Lakh	-
2.0	Interest on Working Capital	%	-
3.0	Interest on Working Capital[1]	Rs Lakh	-

Table	**6.6**		
Title	**Adjustment for Over-Recovery/Under-Recovery (B)**		
Sr. No.	**Parameter**	**Unit**	**Value**
(A)	(B)	(C)	(D)
	For the month of June 2006		
1.0	**Adjustment for over-recovery/under-recovery ('B')**		
1.1	Incremental cost allowed to be recoverd in Month j-4 (Apr 2006) (Specify Month & Year)	Rs Lakh	1,561.63
1.2	Incremental cost in Month j-4 (Apr 2006) actually recovered in month j-2 (June 2006) (Specify Month & Year)	Rs Lakh	1,474.45
1.3	(over-recovery)/under-recovery (1.2-1.1)	Rs Lakh	87.18
2.0	**Carried forward adjustment for over-recovery/under-recovery attributable to application of ceiling limit**	Rs Lakh	33.18
3.0	**Adjustment factor for over-recovery/under-recovery (1.3+2.0)**	Rs Lakh	120.36

Table	**6.7**		
Title	**Total Fuel Cost and Power Purchase Adjustment**		
Sr. No.	**Parameter**	**Unit**	**Value**
			June 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	2,104.56
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	120.36
4.0	FAC (A) = C + I + B (1.0 + 2.0 + 3.0)	Rs Lakh	2,224.92
5.0	Any unpredictable and uncontrollable expenses incurred (Z)[1]	Rs Lakh	-
6.0	FOCA (A) = C + I + B + Z (4.0 + 5.0)	Rs Lakh	-

Table	**7.1**		
Title	**Calculation of per unit FAC/FOCA Charge**		
Sr. No.	**Parameter**	**Unit**	**Value**
			June 2006
(A)	(B)	(C)	(D)
1.0	Energy Sales within License Area (Table 1.1, Sr. No.5.0)	MU	666.071
2.0	Estimated Consumption within License Area (Table 1.2, Sr. No. 4.0)	MU	3.693
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	2,224.92
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	33.22
6.0	Cap on monthly FAC/FOCA Charge		
6.1	Cap at 10% of the variable component of tariff[2]	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)[1]	Paise/kWh	29.90

Table	**7.3**		
Title	**Recovery of FAC/FOCA Charge**		
Sr. No.	**Parameter**	**Unit**	**Value**
			June 2006
(A)	(B)	(C)	(D)
1.0	FAC (A)/ FOCA (A) considering cap on Monthly FAC/FOCA Charge (Table 7.1, Sr. No. 6.0 x (Table 7.1, Sr. No. 1.0 + Table 7.1, Sr. No. 2.0))	Rs Lakh	2,002.59
2.0	FAC(A)/ FOCA (A) disallowed corresponding to excess T&D loss (Table 7.1, Sr. No. 7.0 x Table 7.1, Sr. No. 3.0)	Rs Lakh	-
3.0	Carried forward FAC (A)/ FOCA (A) for recovery during future period (Table 7.1, Sr. No. 4.0 - 1.0 - 2.0)	Rs Lakh	222.32

Table	**8.1**		
Title	**Summary of FAC (A) and FAC_{kWh}**		
Sr. No.	**Parameter**	**Unit**	**Value**
			June 2006
(A)	(B)	(C)	(D)
1.0	**Calculation of FAC (A)**		
1.1	(Disallowance)/Allowance of change in variable cost of generation corresponding to excess auxiliary consumption	Rs Lakh	3.45
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 conumption	Rs Lakh	2,104.56
1.3	Apportionment of change in variable cost of generation and power purchase to License Area (C)	Rs Lakh	2,104.56
1.4	Working Capital Interest (I)	Rs Lakh	-
1.5	Adjustment for Over Recovery/Under Recovery (B)	Rs Lakh	120.36
1.6	**FAC (A) = C + I + B**	Rs Lakh	2,224.92
2.0	**Calculation of FAC_{kWh}**		
2.1	Sale within License Area	MU	669.764
2.2	Excess T&D Loss	MU	-
2.3	FAC Charge (FAC_{kWh}) without considering cap on monthly FAC Charge	Paise/kWh	33.22
2.4	Cap on monthly FAC Charge	Paise/kWh	29.90
2.5	**FAC Charge (FAC_{kWh}) 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	2,002.59
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	222.32