



MERC

MAHARASHTRA ELECTRICITY REGULATORY COMMISSION

13th Floor, Centre No. 1, World Trade Centre, Cuffe Parade, Colaba, Mumbai - 400 005.

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TPC-FAC - Apr07-June07

MERC

Ref.: MERC/TPC/FAC/Apr07-Jun07/2007-08/117

April 1, 2008

The Tata Power Company Ltd.,

Regulations Department,

Corporate Centre, 'B' Block

34, Sant Tukaram Road,

Carnac Bunder,

Mumbai – 400 009

Kind Attention: Mr. V H Wagle, Senior Manager

Sub: Approval of TPC Fuel Adjustment Charges (FAC) for April'07 to June'07.

Dear Sir,

With reference to your application dated 17th September, 2007, in pursuance of directions in the Tariff Order dated 30th April 2007 for FY 2007-08 and subsequent correspondence on the above subject, including revised submission through email dated 26th December, 2007, I am directed to forward herewith the decision of the Commission (refer Annexure) regarding approval of FAC for the period April to June 2007.

The Commission has accorded post facto approval to FAC amount of Rs. 316.29 Lakh, Rs. 565.92 Lakh and Rs. 29.08 Lakh for the months of April, May and June 2007 respectively, the details of which are as given below:

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07

Regulations Dept.
Inward No. 85
Date 1.4.08

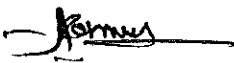
Ref.: MERC/TPC/FAC/Apr07-Jun07/2007-08/7/7

April 1, 2008

Particulars	Unit	Apr07		May07		Jun07	
		TPC	COMM SSION	TPC	COMM SSION	TPC	COMM SSION
FAC (A) = C + I + B	Rs Lakh	316.29	316.29	565.92	565.92	29.08	29.08
FAC charge without considering cap on monthly FAC charge	Paise/ kWh	14.92	14.92	26.46	26.46	1.23	1.23
Cap on Monthly FAC Charge	Paise/ kWh	45.00	45.00	45.00	45.00	45.00	45.00
FAC Charge considering cap on monthly FAC Charge	Paise/ kWh	14.92	14.92	26.46	26.46	1.23	1.23
FAC Amount considering cap on monthly FAC Charge	Rs. Lakh	316.29	316.29	565.92	565.92	29.08	29.08
FAC disallowed corresponding to excess T&D loss	Rs. Lakh	-	-	-	-	-	-
Carried Forward FAC for recovery during future period	Rs. Lakh	-	-	-	-	-	-

With Regards,

Yours faithfully,



Director (E.E), MERC

Encl: Detailed Vetting Report

Ref.: MERC/TPC/FAC/Apr07-Jun07/2007-08/717

April 1, 2008

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

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

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

The President,
Vidarbha Industries Association,
1st floor, Udyog Bhawan,
Civil Lines, Nagpur 440 001.

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

**Detailed Vetting of Fuel Adjustment Cost (FAC) Charges of The Tata Power
Company Ltd. (TPC) for FY 08**

(Attachment to MERC letter No. /TPC/FAC/Apr07 – Jun07 2007-08 dated 1st April
2008)

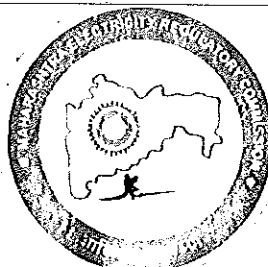
1 TPC's Application for approval of FAC Charge for April'07 to June'07

As per the Tariff Order dated 3rd October 2006 and the MERC Tariff Regulations, TPC is required to obtain post facto approval of the Commission on a quarterly basis for the FAC charged.

For the month of Apr-07, the methodology applicable for the period Oct-06 to Mar-07 is applied except for the normative performance parameters for generating station of TPC which were revised by the order of MERC dated 2nd April 2007.

The methodology for arriving at FAC from the period May, 2007 is as per Tariff Order dated 30th April, 2007. The salient features for arriving at FAC for the period May-07 onwards are as under:

- a. Variable cost of generation is calculated based on net generation for TPC-G. The hydro generation continues to be charged based on the variable tariff @ Rs. 2.00 per kWh and Rs. 1.65 per kWh for peak and off peak period generation respectively. These charges are considered as given in the Tariff Order dated 2nd April 2007.
- b. Normative parameters of Heat Rate, Auxiliary Consumption, Transmission and Distribution loss are considered.
- c. Normative Distribution losses are considered for calculations as metering arrangement at TPC-T & TPC-D has been established in October'07 and the



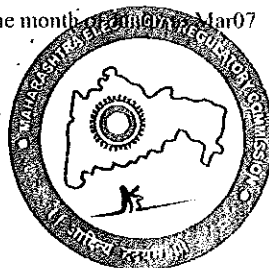
determination of the actual loss is in progress and is expected to be complete by March'08.

- d. Power purchase is considered from non-expensive sources of TPC-G (excluding power from Unit 4 oil and external source) and wind based generation.
- e. The cap on the FAC rate, as per the Commission's Tariff Order dated 30th April 2007 for TPC-Distribution Business, which is set at 10% of the average variable charge works out to 45 paise per kWh. The working for the cap on FAC rate for FY08 is shown in the following table:

Annual Sales for TPC-D as approved in TO for FY08	MUs	A	2933
Variable Charges as approved for FY08*	Rs. Cr.	B	1307
Average Variable charges (VC) for FY08 – TPC (D)	Rs./kWh	$C=B/A*10$	4.46
Cap on FAC Rate (10% of Avg VC)	Rs./kWh	$D=C*0.10$	0.45

* - Variable component of tariff includes energy charge of Rs. 733 Crore and Reliability Charge of Rs. 574 Crore.

- f. The normative parameters as per the tariff order dated 30th April 2007 are as under:



Sr.No.	Parameter	Unit	Normative Rate
1.	Heat Rate		
	Unit # 4	kCal/kWh	2565
	Unit # 5	kCal/kWh	2489
	Unit # 6	kCal/kWh	2400
	Unit # 7	kCal/kWh	1971
2.	Auxiliary Consumption		
	Hydro	%	0.50
	Unit # 4	%	8.00
	Unit # 5	%	5.50
	Unit # 6	%	3.50
	Unit # 7	%	2.75
3.	Distribution Loss (TPC-D)	%	2.93
4.	Transmission Loss	%	4.85
5.	Weighted Average variable cost of power purchase (Excl. U#4 & Expensive power)	Rs./kWh	2.76

Variable cost of generation for TPC-G -

While assessing the actual variable cost of generation, the Commission has assessed unit wise variable cost of generation and weighted average variable cost of generation considering the following:-

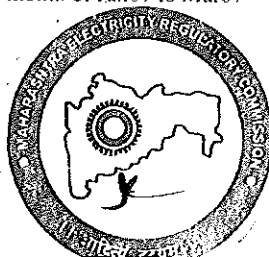
- Change in generation mix
- Change in fuel price
- Normative operating parameters (i.e. heat rate and auxiliary consumption) as set out in the Tariff Order.

Change in Fuel Price:

Actual variable cost of power generation of each unit is certified by Cost Accountant. TPC also has submitted Fuel Analysis Report of representative monthly samples of fuels certified by an Independent Certification Agencies viz M/s Geo-Chem Laboratories Pvt Ltd, Mumbai in support of actual fuel calorific value.

Normative Operating Parameters:

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07



TPC has considered Unit-wise approved heat rate as per the Tariff Order dated 2nd April 2007 for computing actual Unit-wise, variable cost of generation on monthly basis and the same is allowed.

Variable cost of power purchase of TPC-D:

In addition to TPC-G, TPC-D has considered power purchase sources from the Wind Plants of TPC.

Change in variable cost of power purchase (“C”)

Change in variable cost of power purchase (Rs lakh) has been arrived at by multiplying power purchase (MU) with the change in weighted average cost (Rs/kWh) of power purchase.

Interest on working capital (“I”)

TPC has not considered any interest on working capital due to change in prices of fuel and accordingly, the Commission has also not considered the same.

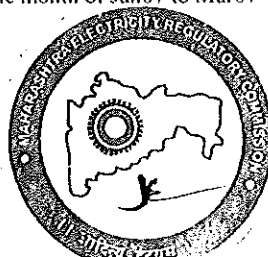
Adjustment factor for over recovery / under recovery (“B”)

The adjustment factor for over / under recovery “B” has been worked out as shown in Table 6.6.

The Commission has also factored the carried forward adjustment (if applicable) for over / under recovery attributable to application of ceiling limit in the computation of component “B”.

Excess Distribution Loss –

TPC-D’s distribution loss of 2.93% is approved as per the tariff order date 30th April 2007 and is considered for arriving at the requirement of TPC-D. Thus there is no excess Distribution loss.



Calculation of FAC (“A”) and FAC per unit: -

FAC (A=C+I+B) has been considered at Rs 316.29 lakh, Rs. 565.92 lakh and Rs. 29.08 lakh for April , May & June 2007 respectively. The details are given in Table 6.7. FAC per unit has been computed by considering FAC (A) for the License area, Energy sales submitted by TPC for the License area and Excess Distribution Loss. The Commission approves the FAC rate of 14.92 paise/kWh, 26.46 paise/kWh, and 1.23 paise/kWh for the months of April, May & June 07 respectively.

FAC charge considering monthly cap: -

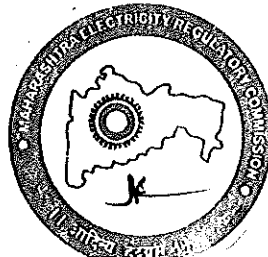
FAC_{kWh} for April, 07 to June, 07 is lower than the cap of 45 paise / kWh on FAC charge. Thus there is no carry forward FAC. The details are given in Table 7.1.

Summary of FAC

The summarized details of FAC (A) & FAC per unit are given in Table 8.1. The highlights are as under –

Particulars	Unit	April'07		May'07		June'07	
		TPC	COMMISSION	TPC	COMMISSION	TPC	COMMISSION
FAC (A) = C + I + B	Rs Lakhs	316.29	316.29	565.92	565.92	29.08	29.08
FAC charge without considering cap on monthly FAC charge	Paise/kWh	14.92	14.92	26.46	26.46	1.23	1.23
Cap on Monthly FAC Charge	Paise/kWh	45.00	45.00	45.00	45.00	45.00	45.00
FAC Charge considering cap on monthly FAC Charge	Paise/kWh	14.92	14.92	26.46	26.46	1.23	1.23
FAC considering cap on monthly FAC Charge	Rs. Lakhs	316.29	316.29	565.92	565.92	29.08	29.08

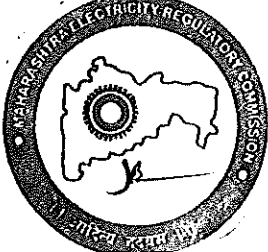
Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07



TPC-FAC – Apr07-Jun07
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FAC disallowed corresponding to excess T&D loss	Rs. Lakhs	-	-	-	-	-	-
Carried Forward FAC for recovery during future period	Rs. Lakhs	-	-	-	-	-	-

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07



TPC Fuel Adjustment Charges (FAC) for April'07 to June'07.

Table No	Title
3.1	Heat rate for Thermal generating Units
3.3	Calculation of Station/Unit wise Variable cost of Generation
4.1	Variable cost of Power Purchases
6.2	Change in Variable Cost of Power Purchase
6.5	Working Capital Interest
6.6	Adjustment for Over/Under recovery
6.7	Total FAC
7.1	Calculation of per unit FAC charge
7.3	Recovery of FAC charge
8.1	Summary of FAC and FAC _{kWh}

Detailed vetting & approval of FAC charges for the months of Apr07 to Mar07



Table 3.1

Title: Heat Rate for Thermal Generating Station/Unit

Sr. No.	Generating Station/Unit ¹	Order	April'07			May'07			June'07			
			Heat Rate	Gross Generation	Energy Input	Heat Rate	Gross Generation	Energy Input	Heat Rate	Gross Generation	Energy Input	Heat Rate
			kcal/ kWh (C)	MU (D)	Mkcal (E)	kcal/ kWh (F) = (E)/(D)	MU (G)	Mkcal (H)	kcal/ kWh (I)	MU (J)	Mkcal (K)	kcal/ kWh (L)
1.0	Unit # 4	2,565.00	87.88	219,243.86	2,494.81	62.80	157,515.50	2,508.21	58.69	149,139.02	2,541.22	
2.0	Unit # 5	2,489.00	366.02	929,395.23	2,539.19	375.21	971,370.49	2,588.91	361.69	928,100.55	2,566.01	
3.0	Unit # 6	2,400.00	347.67	782,476.96	2,250.66	350.53	790,139.68	2,254.16	327.06	759,418.08	2,321.95	
4.0	Unit # 7	1,971.00	100.27	208,988.44	2,084.17	105.29	220,496.15	2,094.26	104.88	211,528.99	2,016.91	
Total for Thermal Generation			901.84	2,140,104.49	2,373.04	893.82	2,139,521.82	2,393.69	852.32	2,048,186.64	2,403.08	

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07



Table 3.3
Title: Calculation of Station/Unit-wise variable cost of generation (Net cost)

Sr. No.	Generating Station/Unit ^{1,2}	Fuel Basket ^{1,2} (B)	Order (FY)			Order for the month			April 07						
			Net Generation ³	Var. Cost ³	Var. Cost	Net Generation ³	Var. Cost ³	Var. Cost	Actual			Norm			
									Var. Cost ³	Var. Cost ³	Var. Cost ³		Var. Cost ³		
									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)	
1.0	Generating Station/Unit wise, Fuel Basket-wise details														
	Hydro-Peak	Water	747.00	2.00	14,940.00	6225	2.00	1,245.00	6224	2.00	1,244.86	20000			
	Hydro-Off Peak	Water	746.00	1.65	12,309.00	6217	1.65	1,025.75	6234	1.65	1,028.68	1,6500			
	Unit # 7	Gas	1,399.40	0.70	9,854.57	11662	0.70	821.21	9661	0.75	727.45	0.7055			
	Unit # 6	Gas	36.88	0.86	318.68	307	0.86	265.6	470	0.81	37.90	0.8657			
	Unit # 5	Gas	-	0.92	-	-	0.92	-	-	0.93	-	0.9168			
	Unit # 4	Gas	-	0.97	-	-	0.97	-	-	0.93	-	0.9705			
	Unit # 5	Coal	3,337.00	1.48	49,377.59	27808	1.48	4,114.80	34641	1.42	4,925.01	1,4076			
	Unit # 6	Oil	3,647.99	4.71	171,827.62	30400	4.71	14,318.97	33321	4.75	15,812.90	5,0969			
	Unit # 5	Oil	435.40	4.99	21,719.06	3628	4.99	1,809.92	295	5.45	160.58	5.3978			
	Unit # 4	Oil	861.80	5.28	45,505.63	7182	5.28	3,792.14	8185	5.49	4,493.18	5.7138			
	Total		11,211.47	2.91	325,852.15	93429	2.91	27,154.35	99031	2.87	28,430.57	3.00			
	TPC-G Non Expensive Power (Total-U#4)		10,349.67	2.71	280,346.53	86247	2.71	23,362.21	90846	2.63	23,937.39	2.75			
	TPC-G Non Expensive Power for TPC-D (Total-U#4)*20.27%		2,097.88	2.71	56,826.24	17482	2.71	4,735.52	18415	2.6349	4,852.11	2.7535			
2.0	Generating Station/ Unit wise summary														
	Hydro	All fuels	1,493.00	1.83	27,249.00	12442	1.83	2,270.75	12459	1.82	2,273.54	1.82			
	Unit # 4	All fuels	861.80	5.28	45,505.63	7182	5.28	3,792.14	8185	5.49	4,493.18	5.71			
	Unit # 5	All fuels	3,772.40	1.88	71,096.65	31437	1.88	5,924.72	34935	1.46	5,055.59	1.44			
	Unit # 6	All fuels	3,684.87	4.67	172,146.31	30707	4.67	14,345.53	33791	4.69	15,850.80	5.04			
	Unit # 7	All fuels	1,399.40	0.70	9,854.57	11662	0.70	821.21	9661	0.75	727.45	0.71			
3.0	Total for all Generating Stations /Units														
	Total Generation excl FHC All fuels		11,211.47	2.906	325,852.15	93429	2.91	27,154.35	99031	2.87	28,430.57	2.9981			
4.0	Generation corresponding to Utilization of Specific Generating Station/ Unit corresponding to sale mentioned at Table 1.1, Item 3 ⁵														
	Contracted Power Sale outside LA														
5.0	Total for all Generating Stations/Units excl. generation reported at (4.0)														
			11,211.47	2.91	325,852.15	93429	2.91	27,154.35	99031	2.87	28,430.57	2.9981			

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07



Table 3.3
Title: Calculation of Station/Unit-wise variable cost of generation (Fuel cost)

Sr. No.	Generating Station/Unit ^{1,2}	Fuel Basket (B) ^{1,2}	Order (FY)			Order for the month			May07				
			Net Generation ³			Net Generation ³			Actual				
			Var. Cost ³	Var. Cost		Var. Cost ³	Var. Cost		Var. Cost ³	Var. Cost	Var. Cost	Var. Cost ³	
			MU	Rs/kWh	Rs Lakh	MU	Rs/kWh	Rs Lakh	MU	Rs/kWh	Rs Lakh	Rs/kWh	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
1.0	Generating Station/Unit wise, Fuel Basket-wise details												
	Hydro-Peak	Water	747.00	2.00	14,940.00	6225	2.00	1,245.00	6221	2.00	1,244.29	2.00	
	Hydro-Coff Peak	Water	746.00	1.65	12,309.00	6217	1.65	1,025.75	7123	1.65	1,175.30	1.65	
	Unit # 7	Gas	1,399.40	0.70	9,854.57	11662	0.70	821.21	10256	0.74	789.95	0.70	
	Unit # 6	Gas	36.88	0.86	318.68	307	0.86	26.56	256	0.80	20.48	0.86	
	Unit # 5	Gas	-	0.92	-	-	0.92	-	-	0.94	-	0.91	
	Unit # 4	Gas	-	0.97	-	-	0.97	-	-	0.94	-	0.96	
	Unit # 5	Cool	3,337.00	1.48	49,377.59	27808	1.48	4,114.80	35671	1.53	5,441.30	1.48	
	Unit # 6	Oil	3,647.99	4.71	171,827.62	30400	4.71	14,318.97	33774	4.97	14,779.49	5.32	
	Unit # 5	Oil	435.40	4.99	21,719.06	3628	4.99	1,809.92	0.80	5.81	46.25	5.64	
	Unit # 4	Oil	861.80	5.28	45,305.63	7182	5.28	3,792.14	5778	5.83	3,370.40	5.97	
	Total		11,211.47	2.91	325,852.15	93429	2.91	27,154.35	99160	2.91	28,836.48	3.01	
	TPC Non Expensive Power for TPCD (Total-UM)		10,349.67	2.71	280,346.53	86247	2.71	23,362.21	93382	2.73	25,466.08	2.83	
	TPC Non Expensive Power for TPCD (Total-UM)*20.27%		2,097.88	2.71	56,826.24	17482	2.71	4,735.52	18928	2.721	5,161.97	2.8324	
2.0	Generating Station/ Unit wise summary												
	Hydro	All fuels	1,493.00	1.83	27,249.00	12442	1.83	2,270.75	13345	1.81	2,419.59	1.81	
	Unit # 4	All fuels	861.80	5.28	45,305.63	7182	5.28	3,792.14	5778	5.83	3,370.40	5.97	
	Unit # 5	All fuels	3,772.40	1.88	71,076.65	31437	1.88	5,924.72	35751	1.53	5,487.56	1.49	
	Unit # 6	All fuels	3,684.87	4.67	172,146.31	30707	4.67	14,345.53	34031	4.94	14,799.97	5.29	
	Unit # 7	All fuels	1,399.40	0.70	9,854.57	11662	0.70	821.21	10256	0.74	789.95	0.70	
3.0	Total for all Generating Stations/Units												
	Total Generation excl. RHC All fuels		11,211.47	2.906	325,852.15	93429	2.91	27,154.35	99160	2.91	28,836.48	3.01	
4.0	Generation corresponding to Utilisation of Specific Generating Station/ Unit corresponding to side mentioned at Table 1.1, Item 3 ³												
	Contracted Power Sale outside LA												
5.0	Total for all Generating Stations/Units excl. generation reported at (4.0)												
			11,211.47	2.91	325,852.15	93429	2.91	27,154.35	99160	2.91	28,836.48	3.01	

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07



Table 3.3
Title: Calculation of Station/Unit-wise variable cost of generation (fuel cost)

Sr. No.	Generating Station/Unit ^{1,2}	Fuel Basket (FB) ^{1,2}	Order (FY)			Order for the month			June07				
			Net Generation ³		Var. Cost ³	Net Generation ³		Var. Cost ³	Actual		No		
			MU	Rs/kWh		MU	Rs/kWh		Var. Cost ³	Var. Cost ³			
			(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)		
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
1.0 Generating Station/Unit wise, fuel basket-wise details													
	Hydro-Peak	Water	747.00	2.00	14,940.00	6225	2.00	1,245.00	6875	2.00	1,375.09	2.00	
	Hydro-Off Peak	Water	746.00	1.65	12,309.00	6217	1.65	1,025.75	9220	1.65	1,521.29	1.65	
	Unit # 7	Gas	1,399.40	0.70	9,854.57	11662	0.70	821.21	10239	0.73	743.89	0.71	
	Unit # 6	Gas	36.88	0.86	318.68	307	0.86	26.56	304	0.84	25.60	0.87	
	Unit # 5	Gas	-	0.92	-	-	0.92	-	-	0.95	-	0.93	
	Unit # 4	Gas	-	0.97	-	-	0.97	-	-	0.97	-	0.98	
	Unit # 5	Coal	3,337.00	1.48	49,377.59	27808	1.48	4,114.80	33666	1.55	5,217.16	1.52	
	Unit # 6	Oil	3,647.99	4.71	171,827.62	30400	4.71	14,318.97	31394	5.22	16,332.75	5.42	
	Unit # 5	Oil	435.40	4.99	21,719.06	3628	4.99	1,809.92	801	5.87	469.63	5.74	
	Unit # 4	Oil	861.80	5.28	45,305.63	7182	5.28	3,792.14	5383	6.03	3,243.48	6.07	
	Total		11,211.47	2.91	325,852.15	93429	2.91	27,154.35	97881	2.96	28,983.89	3.01	
	TPC-G Non Expensive Power (Total-UE4)		10,349.67	2.71	280,346.53	86247	2.71	23,362.21	92498	2.78	25,735.41	2.83	
	TPC-G Non Expensive Power for TPC-D (Total-UE4)*20.27%		2,097.88	2.71	56,826.24	17482	2.71	4,735.52	18749	2.7823	5,216.57	2.8348	
2.0 Generating Station/ Unit wise summary													
	Hydro	All fuels	1,493.00	1.83	27,249.00	12442	1.83	2,270.75	16095	1.80	2,896.37	1.80	
	Unit # 4	All fuels	861.80	5.28	45,305.63	7182	5.28	3,792.14	5383	6.03	3,243.48	6.07	
	Unit # 5	All fuels	3,772.40	1.88	71,096.65	31437	1.88	5,924.72	34467	1.65	5,686.80	1.61	
	Unit # 6	All fuels	3,684.87	4.67	172,146.31	30707	4.67	14,345.53	31698	5.18	16,408.35	5.37	
	Unit # 7	All fuels	1,399.40	0.70	9,854.57	11662	0.70	821.21	10239	0.73	743.89	0.71	
3.0 Total for all Generating Stations/Units													
	Total Generation excl. PFC All fuels		11,211.47	2.906	325,852.15	93429	2.91	27,154.35	97881	2.96	28,983.89	3.01	
4.0 Generation corresponding to Utilization of Specific Generating Station/ Unit corresponding to sale mentioned at Table 1.1, Item 3⁵													
	Contracted Power Sale outside IA												
5.0 Total for all Generating Stations/Units excl. generation reported at (4.0)													
			11,211.47	2.91	325,852.15	93429	2.91	27,154.35	97881	2.96	28,983.89	3.01	

Detailed vetting & approval of FAC charges for the months of Sep07 to Mar07



Table 4.1
Title Variable cost of power purchase^{1&11}

Sr. No.	Power Purchase Source ²	Order (FY08)					Actual				
		Net Purchase ³	Var. Cost ⁵	Var. Cost Arr ⁴	Net Purchase ³	Tariff ⁶	PP Amt ⁷	FAC Unit ⁸	FAC Rate ⁹	FAC Amt ¹⁰	Adjustment
		MU	Rs/kWh	Rs Lakh	MU	Rs/kWh	Rs Lakh	MU	Rs/kWh	Rs Lakh	Rs Lakhs
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)=(I)*(J)	
I. April 07											
(1)	TPC-G	2180.00	2.72	5929.60	190.66	2.7200	5184.06	190.66	0.10	190.47	
(2)	Others	306.00	4.41	1,345.05	30.54	4.41	1,347.02	-	-	-	
(3)	Renewable Sources	77.00	3.30	254.10	8.34	3.30	296.24	-	-	-	
(4)	Total	2,562.00	2.94	7,528.75	229.55	2.98	6,827.32				
II. May 07											
(1)	TPC-G	2097.88	2.71	56826	189.28	2.8324	5361.29				
(2)	Others										
(3)	Renewable Sources	127.20	3.54	4500	13.04	3.5379	461.34				
(4)	Total	2,225.08	2.75614	61,326	202.32	2.8779	5,822.63				
III. June 07											
(1)	TPC-G	2097.88	2.71	56826.24	187.49	2.8348	5315.15				
(2)	Others										
(3)	Renewable Sources	127.20	3.54	4500.00	14.72	3.5398	521.02				
(4)	Total	2,225.08	2.75614	61,326	202.21	2.8862	5,836.18				

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07

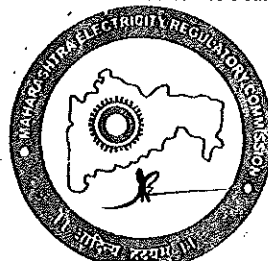


Table 6.2
Title Change In Variable Cost of Power Purchase(C)

For June'07

Sr. No.	Parameter	Unit	April'07	May'07	June'07
(A)	(B)	(C)	(D)	(E)	(F)
1.0	Weighted Average variable power purchase considered by the Commission (Table No.4.1 Sr. No.4.0, Col. No. (D))	Rs/kWh	2.9400	2.7561	2.7561
2.0	Weighted Average Normative Actual variable cost of power purchase for Month & Year (Table No.4.1 Sr. No.4.0, Col. No. (P))	Rs/kWh	3.0581	2.8779	2.8862
3.0	Change in variable cost power purchase (2.0-1.0)	Rs/kWh	0.1181	0.1218	0.1301
4.0	Net Power Purchase (Table No.4.1 Sr. No.4.0, Col. No. (I))	MU	229.55	202.32	202.21
5.0	Change in variable cost of power purchase (3.0 x 4.0)	Rs Lakh	271.15	246.35	263.00

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07

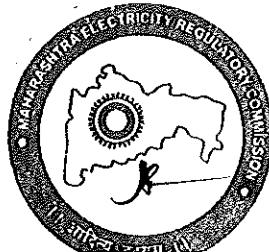


Table 6.5
Title Working capital Interest (I)

For June'07

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	

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07

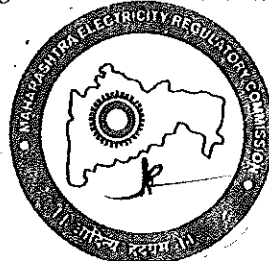


Table 6.6
Title Adjustment for Over-Recovery/Under-Recovery (B)

For June'07

Sr. No.	Parameter	Unit	April'07	May'07	June'07
(A)	(B)	(C)	(D)	(E)	(F)
1.0	Adjustment for over-recovery/under-recovery ('B')				
1.1	Incremental Cost Allowed to be Recovered in the month j-4	Rs Lakh	(185.46)	596.64	316.29
1.2	Incremental cost in Month j-4 actually recovered in month j-2 (June'07)	Rs Lakh	(230.61)	277.07	550.21
1.3	over-recovery/under-recovery (1.2-1.1)	Rs Lakh	45.14	319.57	(233.92)
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	45.14	319.57	(233.92)

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07



Table 6.7
Title Total FAC(A)

For June'07

Sr. No.	Parameter	Unit	April'07	May'07	June'07
(A)	(B)	(C)	(D)	(E)	(F)
1.0	Change in cost (C) (Table 6.2, Sr. No.5.0 for FAC Mechanism)	Rs Lakh	271.15	246.35	263.00
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	45.14	319.57	(233.92)
4.0	FAC (A) = C + I + B (1.0 + 2.0 + 3.0)	Rs Lakh	316.29	565.92	29.08

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07

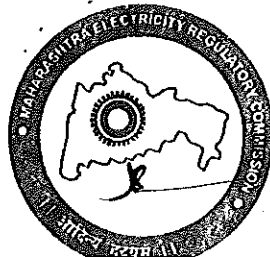


Table 7.1
Title Calculation of per unit FAC Charge

For June'07

Sr. No.	Parameter	Unit	April'07	May'07	June'07
(A)	(B)	(C)	(D)	(E)	(F)
1.0	Energy Sales within License Area (Table 1.1, Sr. No.1.0)	MU	212.01	213.91	236.04
2.0	Estimated Consumption within License Area (Table 1.2, Sr. No. 4.0)	MU			
3.0	Excess T&D Loss (Table 1.4, Sr. No. 2.0)	MU			
4.0	Total FAC (Table 6.7, Sr. No. 4.0)	Rs Lakh	316.29	565.92	29.08
5.0	FAC Charge (FAC _{kWh}) without considering cap on monthly Charge (4.0/(1.0+2.0+3.0))	Paise/kWh	14.92	26.46	1.23
6.0	Cap on monthly FAC Charge				
6.1	Cap at 10% of the variable component of tariff ²	Paise/kWh	33.00	45.00	45.00
6.2	Cap as lower of 6.1 and 6.2	Paise/kWh	14.92	26.46	1.23
7.0	FAC Charge (FAC _{kWh}) considering cap on monthly FAC Charge (lower of 5.0 and 6.3) ¹	Paise/kWh	14.92	26.46	1.23

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07

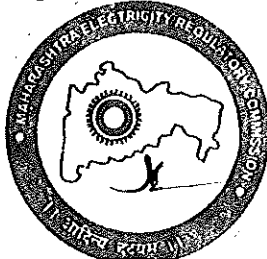


Table 7.3
Title Recovery of FAC Charge

For June'07

Sr. No.	Parameter	Unit	April'07	May'07	June'07
(A)	(B)	(C)	(D)	(E)	(F)
1.0	FAC (A) Considering cap on Monthly FAC Charge (Table 7.1, Sr. No. 6.2 x (Table 7.1, Sr. No. 1.0 + Table 7.1, Sr. No. 2.0))	Rs Lakh	316.29	565.92	29.08
2.0	FAC (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) for recovery during future period (Table 7.1, Sr. No. 4.0 - 1.0 - 2.0)	Rs Lakh	-	-	-

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07



Table 8.1
Title Summary of FAC (A) and FAC_{kWh}

For June'07

Sr. No.	Parameter	Unit	April'07	May'07	June'07
(A)	(B)	(C)	(D)	(E)	(F)
1.0	Calculation of FAC (A)				
1.1	Change in weighted average variable cost power purchase	Rs Lakh	271.15	246.35	263.00
1.2	Working Capital Interest (I)	Rs Lakh	-	-	-
1.3	Adjustment for Over Recovery/Under Recovery (B)	Rs Lakh	45.14	319.57	(233.92)
1.4	FAC (A) = C + I + B	Rs Lakh	316.29	565.92	29.08
2.0	Calculation of FAC_{kWh}				
2.1	Sale within license Area	MU	212.01	213.91	236.04
2.2	Excess T&D Loss	MU	-	-	-
2.3	FAC Charge (FAC _{kWh}) without considering cap on monthly FAC Charge	Paise/kWh	14.92	26.46	1.23
2.4	Cap on monthly FAC Charge	Paise/kWh	33.00	45.00	45.00
2.5	FAC Charge (FAC_{kWh}) considering cap on monthly FAC Charge	Paise/kWh	14.92	26.46	1.23
3.0	FAC (A)				
3.1	FAC (A) considering cap on Monthly FAC Charge (Est)	Rs Lakh	316.29	565.92	29.08
3.2	FAC (A) disallowed corresponding to excess T&D loss (Est)	Rs Lakh	-	-	-
3.3	Carried forward FAC (A) for recovery during future period (Est)	Rs Lakh	-	-	-

Detailed vetting & approval of FAC charges for the month of Jan07 to Mar07

