

Ref No. MERC/REL-FAC/1243

8th June, 2006

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

**Subject: Approval of REL Fuel Adjustment Charges (FAC) for the period -
April 2004 to March 2005 and April 2005 to March 2006.**

Reference:

- 1) Tariff Order dated 1st July, 2004 in Case No. 18 of 2003
- 2) MERC letter No. MERC/Case 18 of 2003/FAC/0096 dated 19th January, 2005 in respect of Vetting and approval of REL FAC charges for July, 2004
- 3) The Commission's review order dated 3rd August, 2005 in respect of Fuel Adjustment Cost (FAC) charges for Reliance Energy Ltd.
- 4) REL's application for post facto approval of FAC dated 28th February, 2005 for August 2004 to September, 2004 & October 2004 to December 2004
- 5) REL's application for post facto approval of FAC dated 17th May, 2005 for January 2005 to March 2005
- 6) REL's application for post facto approval of FAC dated 31st August, 2005 for April 2004 to June 2004
- 7) REL's application for post facto approval of FAC dated 26th October 2005 for April 2005 to June 2005
- 8) REL's application for post facto approval of FAC dated 22nd November 2005 for July 2005 to September 2005
- 9) REL's application for post facto approval of FAC dated 14th February 2006 for October 2005 to December 2005
- 10) MERC's letter No. MERC/Case 18 of 2003/FAC/2005/0798 dated 13th April, 2006 in respect of Vetting and approval of REL Fuel Adjustment Charges (FAC) for October, 2005 to December 2005.
- 11) REL's application for post facto approval of FAC dated 12th May, 2006 for January 2006 to March 2006.

Sir,

With reference to your above referred applications, and in pursuance of directions in the Tariff Order, Review Order of FAC and subsequent correspondence on the above subject, I am directed to forward herewith the detailed vetting of the FAC for the various periods April 2004 to June 2004, August 2004 to September 2004, October 2004 to December 2004, January 2005 to March 2005, April 2005 to June 2005, July 2005 to September 2005 & January 2006 to March 2006 (refer Annexure A for FY 04-05 and Annexure B for FY 2005-06) and Commission's decision for your information.

The Commission had earlier carried out vetting of FAC amount for the month of October 2005 to December 2005 and was communicated to you vide letter Ref. No. MERC/Case No. 18 of 2003/FAC/2005/0798 dated 13th April 2006. Now, the Commission has carried out the vetting of all the remaining months covering F.Y. 04-05 and F.Y. 05-06. The summary of the vetting is as under:

Table: Vetting Results for F.Y. 2004-05

Month	FAC Recoverable Rs. lacs	FAC considering Cap (Paise /unit)	Remarks
April 2004	-7.212	-0.12	
May 2004	-85.022	-1.37	
June 2004	65.991	1.18	
July 2004	215.80	3.90	Detailed Vetting result communicated earlier vide letter dated 19 th January, 2005
August 2004	-35.986	-0.67	
September 2004	886.763	16.06	
October 2004	1040.92	18.38	
November 2004	1168.80	20.68	
December 2004	745.387	14.07	
January 2005	366.790	7.56	
February 2005	398.80	8.66	
March 2005	320.93	6.13	
Total	5081.961		

Table: Vetting Results for F.Y. 2005-06

Month	FAC Recoverable Rs. lacs	FAC considering Cap (Paise /unit)	Remarks
April 2005	960.259	15.81	
May 2005	1015.611	16.91	
June 2005	1874.906	29.90	
July 2005	1726.417	29.90	
August 2005	1654.146	29.90	
September 2005	1768.056	29.90	
October 2005	1794.015	29.90	Detailed Vetting results communicated earlier vide letter dated 13 th April, 2006.
November 2005	1027.489	18.27	
December 2005	1047.363	19.54	
January 2006	1259.753	24.34	
February 2006	324.189	6.15	
March 2006	1308.178	22.58	
Total	15760.382		

Thus, FAC amount after vetting works out to Rs.5081.96 lacs that is allowed to be recovered for the period April 2004 to March 2005, however REL has actually recovered Rs. 11013.00 lacs as FAC for the same period. Thus, there is over recovered amount of Rs.5931.04 lacs on account of FAC. Further, the Commission has also noted in the Tariff Order that an amount of Rs.3870.00 lacs has been over recovered as on 1st April 2004. The interest on total over recovered FAC works out to Rs.641.12 lacs as on 31st March 2005. Thus, total over recovered amount of Rs.10442.16 lacs as on 31st March 2005, shall be adjusted at the time of 'truing up' while considering ARR for FY 2005-06.

For the year 2005-06, REL as submitted has recovered Rs. 13394.69 lacs from April 2005 to March 2006 as against recoverable FAC of Rs.15760.38 lacs for the same period. As per the Tariff Order and the methodology set out in the Approved FAC Formula, increase in costs (FAC recoverable) in the month of February 06 & March 06 would be recovered in the FAC applicable for the month of April 06 & May 06 respectively and accordingly the under recovery amount will undergo change.

Please note that the adjustment component of over recovery / under recovery upto September 2005 for F.Y. 2005-06, which was not considered during vetting of October to December 2005, has been taken into account in the vetting of January 2006.

With Regards,

Yours faithfully,

(Secretary, MERC)

- Encl :** (i) Annexure A – Vetting of FAC charges claimed by REL for April 2004 – March 2005 - (Pages - 33)
(ii) Annexure B - Vetting of FAC charges claimed by REL for April 2005 – March 2006 - (Pages - 39)

c.c. to :

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

E.mail: prayas@vsnl.com

The President,
Thane Belapur Industries Association,
Plot No.P-14, MIDC,
Rabale Village, PO Ghansoli,
Navi Mumbai 400 701.

Shri A.D. Mahajan / Shri Uday Thakur,
SICOM Ltd., Nirmal Building, Nirmal
Building,
Nariman Point, Mumbai 400 021.

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

E-mail: seb@vsnl.com

The President,
Vidarbha Industries Association,
1st floor, Udyog Bhawan,
Civil Lines, Nagpur 440 001.
E-mail: rkengg_ngp@sancharnet.in
viangp@nagpur.dot.net.in

ANNEXURE A

**Re: Vetting of the Fuel Adjustment Cost (FAC) charges claimed by Reliance
Energy Ltd (REL) for April 2004 – March 2005
Attachment to MERC letter No. MERC/REL-FAC/1243 dated 08.06.2006**

REL has worked out the FAC for the month of April 2004-March 2005 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.

1. Approved FAC Formula

The FAC formula approved by the Commission for levying FAC charges for any variation in fuel and variable cost of power purchase including FAC charged by TPC vis-à-vis the fuel and power purchase costs approved by the Commission in the Tariff Order for BSES – FY 2003-04 and FY 2004-05 (Case No. 18 of 2003) is as follows:

$$\begin{aligned}
 \text{FAC} &= C + I + B \text{ where,} \\
 \text{FAC} &= \text{Total Fuel Cost Adjustment} \\
 C &= \text{Change in cost of own generation and power purchase} \\
 &\quad \text{due to variation in the fuel cost.} \\
 I &= \text{Interest on Working Capital} \\
 B &= \text{Adjustment Factor for over-recovery/under-recovery}
 \end{aligned}$$

The calculation of FAC to be charged for the month 'j', will be

$$A_{j-2} = C_{j-2} + I_{j-2} + B_{j-2}$$

The subscript 'j-2' shows that the FAC would be applicable from the month after the month in which the additional costs are calculated. Thus, increase in costs in May (month j-2) would be calculated at the end of the month of June (month j-1) and would be included in the FAC applicable for the month of July (month j).

The Change in costs 'C' would include change in the following expenses heads:

$$\begin{aligned}
 C &= A_{vc,gen} + A_{vc,pp}, \text{ where} \\
 A_{vc,gen} &= \text{Variation in fuel cost of own generation} \\
 A_{vc,pp} &= \text{Variation in fuel cost of power purchase} \\
 &\quad \text{including FAC of TPC}
 \end{aligned}$$

The change in variable cost of own generation and variable cost of power purchase should be considered in FAC computations, subject to operational norms, i.e., Generation, Heat Rate and Auxiliary Consumption approved by the Commission for DTPS, and the generation and power purchase mix in line with the principles approved by the Commission in the Order.

'I' is the Working Capital Interest at actuals and will be allowed only if it is actually incurred and is within the limits specified by the Commission.

The Adjustment for over-recovery/under-recovery 'B', should be calculated as:

$$\begin{aligned}
 B_{j-2} &= [(A_{j-4} - R_{j-2})], \text{ where} \\
 A_{j-4} &= \text{Incremental cost in month } j-4 \\
 R_{j-2} &= \text{Incremental cost in month } j-4 \text{ actually recovered in} \\
 &\quad \text{Month } j-2.
 \end{aligned}$$

14.5 Calculation of FAC per unit

The total FAC recoverable, as per the formula discussed above should be recovered from the actual sales in that period in Rs/kWh terms. If the T & D loss of BSES (REL) is higher than the T & D loss level approved by the Commission, then the amount of FAC corresponding to the excess T & D loss in units will be deducted from the total FAC recoverable. The balance FAC amount will be recovered from the consumers in the following manner:

$$\begin{aligned}
 \text{FAC}_{\text{kWh}} &= \frac{(\text{Total FAC in Rs. Crore}) * 10}{\text{Energy Sales} + \text{Excess T\&D loss}} \\
 \text{FAC}_{\text{kWh}} &= \text{FAC in Rs/kWh} \\
 \text{Energy Sales} &= \text{Actual energy sold in MU} \\
 \text{Excess T \& D loss} &= \text{Excess T \& D loss in MU} \\
 &= \text{Energy Input} - \text{Energy Sales} - (\text{T\&D}_{\text{app}} * \text{Energy Input}), \text{ where} \\
 \text{T\&D}_{\text{app}} &= \text{T \& D loss level approved by the Commission in the Tariff Order, in \%} \\
 \text{Energy Input} &= \text{Total energy input, i.e., the sum of total net energy generated and energy purchased}
 \end{aligned}$$

Note: The factor of 10 appears in the formula, on account of the conversion of FAC in Rs.Crore to Rs. Million, to get FAC per unit (FAC_{kWh})

2. Background

- 2.1 As per clause 14.4 of the Tariff Order passed on 1st July 2004, REL is required 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 2004 to March 2005** covering all four quarters of FY 04-05 except July 2004, which was previously vetted by Commission vide its letter dated 19th January 2005. The Commission validated FAC and FAC_{kWh} for the entire year of 04-05.
- 2.2 The actual performance parameters of generation and power purchase vis-à-vis that approved in the Tariff Order for the month of April 2004 to March 2005 has been summarised at Annexure-I.
- 2.3 REL has submitted affidavit verifying the application.
- 2.4 REL has submitted FAC data certified by Cost Accountant.

- 2.5 The Commission vide its order dated 19th January 2005 (clause 4.1.1) directed REL to submit fuel analysis reports of representative monthly samples of fuels certified by an independent certification agency in support of actual fuel calorific value considered for the month along with the quarterly FAC submissions in future. REL has submitted independent certification agency report in support of fuel calorific value as received basis of as fired coal for the month of January to March 2005.

3. **Change in Variable Cost of own generation and power purchase (C)**

Normative Actual Variable cost (fuel cost) of generation and power purchase is compared with the variable cost (fuel cost) of generation and power purchase considered in the Tariff Order for FY 04-05 to arrive at the change in weighted average cost of generation and power purchase.

The summary of working results of increase in weighted average variable cost of generation (fuel cost) and power purchase costs is as under:

Table: Variable cost of generation and power purchase

Month	Variable cost of gen & pp considered in Tariff Order FY 2004-2005	Normative actual variable (fuel) cost of gen & pp (Re/kwh)		Increase in Weighted Avg Variable (Fuel) cost of gen & pp (Paise/kwh)	
		REL's submission	Commission's approval	REL's submission	Commission's approval
Apr 04	1.771	1.770	1.770	-0.1	-0.1
May 04	1.754	1.743	1.743	-1.1	-1.1
Jun 04	1.374	1.384	1.384	1.0	1.0
Jul 04	1.353	-	1.385	-	3.2
Aug 04	1.355	1.350	1.349	-0.5	-0.6
Sept 04	1.370	1.503	1.503	13.3	13.3
Oct 04	1.396	1.548	1.548	15.2	15.2
Nov 04	1.426	1.604	1.604	17.8	17.8
Dec 04	1.398	1.519	1.519	12.1	12.1
Jan 05	1.304	1.369	1.369	6.5	6.5
Feb 05	1.330	1.405	1.405	7.5	7.5
Mar 05	1.409	1.460	1.460	5.1	5.1

The Commission has computed Net change in variable cost (fuel cost) of own generation and power purchase by multiplying quantum of gross generation and power purchase and change in weighted average cost of own generation and power purchase less disallowance of FAC corresponding to excess auxiliary consumption. The summary of the result is as under:

Table: Summary of Net Change of VC(Fuel) of Gen & PP

Month	Net Change in variable cost of own generation and power purchase (Rs. lacs)	
	REL's submission	Commission's approval
Apr 04	-4.6	-7.21
May 04	-80.9	-80.94
Jun 04	66.4	65.99
Jul 04	90.7	217.6
Aug 04	-35.5	-35.59
Sept 04	886.7	886.76
Oct 04	1059.5	1059.36
Nov 04	1170.9	1168.80
Dec 04	745.4	745.39
Jan 05	366.0	366.79
Feb 05	398.8	398.80
Mar 05	338.4	335.65

3.1 Change in variable Cost of own generation

The Commission has assessed the change in variable cost of own generation taking into consideration change in fuel mix, actual fuel price and normative heat rate. The Commission has considered base rate as Rs.1.006 / kwh as considered in the Tariff Order for FY 04-05 dated 1st July 2004.

Table: Summary of Variable (Fuel) Cost of own generation

Month	Total Normative variable cost of generation (Fuel Cost) (Rs. lacs)		Variable cost of own generation (fuel cost) (Rs./kwh)		Increase in variable cost of own generation (fuel cost) (Paise/kwh)	
	REL's submission	Commission's approval	REL's submission	Commission's approval	REL's submission	Commission's approval
Apr 04	3821.44	3821.27	1.048	1.048	4.2	4.2
May 04	3916.36	3916.36	1.010	1.010	0.4	0.4
Jun 04	3813.52	3813.52	1.015	1.015	0.8	0.8
Jul 04	3869.00	3939.00	1.012	1.031	2.4	2.4
Aug 04	4015.76	4015.75	1.026	1.026	2.0	2.0
Sept 04	3894.37	3894.37	1.032	1.032	2.6	2.6
Oct 04	4093.41	4093.41	1.074	1.074	6.8	6.8
Nov 04	3529.85	3529.85	1.087	1.087	8.1	8.1
Dec 04	3731.42	3731.42	1.105	1.105	9.9	9.9
Jan 05	4395.82	4396.65	1.142	1.142	13.5	13.5
Feb 05	3889.08	3889.08	1.147	1.147	14.1	14.1
Mar 05	4659.26	4659.24	1.189	1.189	18.3	18.3

3.1.1 Change in Fuel Mix

REL has used varying blending ratio of washed coal: imported coal. REL has also used raw coal in some of the months in view of inadequate availability of washed coal. The reason stated is production bottleneck at washeries and the shortfall has to be met by procuring raw coal. Thus, Commission noted the variation in blending ratio as compared to the ratio of washed coal : imported coal (80% : 20%) considered in the Tariff Order for FY 04-05. The Commission has accepted the change in fuel mix effected by REL for the above period.

3.1.2 Actual Fuel Price

The Commission has assessed actual fuel price based on the cost accountant certified statement of fuel cost. In view of the directions laid down by Commission in its letter dated 19th January 2005, REL has submitted independent verification agency's certification regarding calorific value of the fuel for January 2005, February 2005 and March 2005.

3.1.3 Heat Rate

While calculating the FAC, normative heat rate (2319kcal/kwh) as approved vide tariff order for FY 2004-05 has been considered for computing variable cost of generation though the actual heat rate is lower than the normative.

3.2 Disallowance of FAC corresponding to excess auxiliary consumption

The Commission has considered the norm of auxiliary consumption approved in the Tariff Order for computing excess auxiliary consumption. Fuel Adjustment Cost corresponding to excess auxiliary consumption has been disallowed by multiplying the excess auxiliary consumption with the increase in the variable cost of generation.

Table: Disallowance of FAC corresponding to excess Auxiliary Consumption

Month	Disallowance of FAC corresponding to excess auxiliary consumption (Rs. lacs)	
	REL's submission	Commission's approval
Apr 04	0.4	0.43
May 04	0.1	0.04
Jun 04	0.0	0.05
Jul 04	0.0	0.20
Aug 04	0.1	0.14
Sept 04	0.2	0.16
Oct 04	0.6	0.57
Nov 04	0.5	0.49
Dec 04	0.5	0.50
Jan 05	0.6	0.62
Feb 05	1.0	1.04
Mar 05	0.4	0.39

3.3 Change in variable cost of power purchase

REL has submitted the data for the power purchase certified by Cost Accountant. The following table shows the power purchase cost and FAC charged by TPC for the period April 2004 to March 2005:

Table: Variable Cost of Power Purchase

Month	Net purchase in MUs	Tariff (Rs/kwh)	FAC rate (Rs./kwh)	Power Purchase cost (Rs. Lacs)
Apr 04-22/33kV	269.677	1.7700	1.12*	7038.57
Apr 04-220kV	44.112	1.7700	1.12*	1151.32
May 04-22/33kV	282.683	1.7700	1.12*	7378.03
May 04-220 kV	44.992	1.7700	1.12*	1174.29
Jun 04-22/33kV	248.202	1.8625	0.00	4622.76
Jun 04-220 kV	51.584	1.7700	0.00	9130.36
July 04-22/33kV	251.61	1.8625	0.00	4686.23
July 04-220 kV	40.680	1.7700	0.00	720.03
Aug 04-22/33kV	221.669	1.8625	0.00	4128.59
Aug 04-220 kV	31.248	1.7700	0.00	553.08
Sep 04-22/33kV	246.770	1.8625	0.27	5262.36
Sep 04-220 kV	41.776	1.7700	0.27	852.23
Oct 04 - 22/33kV	265.456	1.8625	0.27	5660.84
Oct 04-220 kV	51.592	1.7700	0.27	1052.47
Nov 04-22/33kV	253.641	1.8625	0.27	5408.89
Nov 04-220 kV	78.332	1.7700	0.27	1597.97
Dec 04-22/33kV	220.498	1.8625	0.18	4503.68
Dec 04-220 kV	57.240	1.7700	0.18	1116.18
Jan 05-22/33kV	161.093	1.8625	0.00	3000.35
Jan 05-220 kV	19.688	1.7700	0.00	348.48
Feb 05-22/33kV	169.551	1.8625	0.00	3157.88
Feb 05-220 kV	26.420	1.7700	0.00	467.63
Mar 05-22/33kV	234.010	1.8625	0.00	4358.43
Mar 05 -220 kV	39.164	1.7700	0.00	693.20

(* TPC has not charged FAC for the first 25% of the consumption)

The tariff paid by REL for purchase of power from TPC is as per the Commission's Tariff Order dated 1st July 2004 and hence Commission approves the above power purchase cost.

4. 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.

5. **Adjustment for Over-Recovery/Under Recovery (B)**

REL has not considered adjustment factor for over / under recovery (B) in computation of FAC for each month for FY 2004-05. However, REL submitted overall Over / Under Recovery statement for each quarter and proposed to adjust FAC recoverable against the over recovery at the beginning of 2004-05. The Commission vetted the FAC for each month without considering the adjustment for Over-Recovery/Under Recovery (B). The overall Over Recovery / Under Recovery statement for the year 2004-05 has been computed using the assessed recoverable FAC and actual FAC recovered in the year 2004-05.

6. **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.

7. **Excess T&D Loss**

The actual T&D loss for the five months i.e. May 04 (13.94%), July 04 (14.63%), Aug 04 (14.86%), Oct 04 (15.40%) and March 05 (17.68%) are higher than the allowable T&D loss at the normative level of 13.90% based on T&D loss considered in the Tariff Order and actual T&D loss for balance seven months are lower than the normative level of 13.9%. REL has not disallowed FAC corresponding to excess T&D loss for the month of May 2004.

FAC corresponding to excess T&D loss for the month of May 04, July 04, Aug 04, Oct 04 and March 05 has been disallowed and it works out to Rs. 4.082 lacs, Rs. 1.849 lacs, Rs. 0.398 lacs, Rs. 18.433 lacs & Rs.14.721 lacs respectively.

8. **FAC per unit**

FAC per unit has been computed by considering FAC, energy sales submitted by REL and excess T&D loss assessed by the Commission. The working results are summarized in Summary of Results at Clause No. 10.

9. **Adjustment of FAC Charge**

In the Tariff Order, the Commission issued direction “As over recovery of Rs. 38.70 Crore is carried forward from FY 2003-04, the Commission directs BSES to adjust this over recovery of Rs. 38.70 Crore, if not done so far in the current financial year, through the FAC charge to the consumers.”

Thus, the assessed FAC to be recovered should be adjusted against over-recovered amount towards FAC at the beginning of FY 2004-05 before charging the same to the consumers.

However, the Commission has also issued direction vide its order dated 3rd August 2005 in the matter of Review of directions on Fuel Adjustment Cost (FAC) Charges dated 19th January, 2005 in respect of Reliance Energy Ltd as (clause No.11) *“In view of the forgoing, and in modification of this aspect of its decision while vetting the computation of REL’s FAC charges for July 2004, under these circumstances the Commission clarifies that the over recovery on account of FAC for the period April to June 2004, along with interest for the period for which it is due for refund to consumers, may be adjusted at the time of truing up for FY 04-05 along with other expenses and revenue heads. Subject to the dispensation clarified in this order, FAC is otherwise to be computed as per the Commission’s letter dated 19th January 2005”*.

Accordingly, REL has worked out Over Recovery of Rs. 9561 lacs as at 31st March 2005 that would be adjusted at the time of truing up for the FY 2004-05 along with other expenses and revenue heads. REL has not provided for the interest for the period for which it is due for refund to consumers. The detailed working as submitted by REL is placed at Annexure III.

REL had worked out Credit balance of Rs. 37.13 Crore as against Rs. 38.70 Crore on the basis of actual FAC billing for March 2004 of Rs. 25.06 Crore as against provisional billing for March 2004 of Rs. 26.63 Crore. REL has also submitted the certificate from Cost Auditor in this respect. However, in the Tariff Order, the Commission had validated the FAC charged by BSES on a month-to-month basis over the period August 1999 to March 2004 and arrived at Rs. 38.70 Crore as over recovery as on 31st March 2004. Thus, Rs. 38.70 Crore, as per Tariff Order has been considered as over recovery as on 31st March 2004 for adjustment of recoverable FAC from future period of FY 2004-05 and balance towards truing up with other expenses and revenue heads.

The Commission has provided for interest rate @6% p.a., being the Bank Rate as per Reserve Bank of India on the over recovery in line with the Commission’s order dated 5th May 2006 for FAC vetting of MSEDCL for the period October 2005 to February 2006. The month-to-month detailed working of FAC Recoverable, FAC Recovered, Over/Under Recovery, Cumulative Over/Under Recovery, Interest on Cumulative Over/Under Recovery for the period April 2004 to March 2005 is given in Annexure III. The table below indicates the summary of FAC recoverable and recovered and amount of Over Recovery as at 31st March 2005.

Table: Summary of Annual FAC Recoverable and Recovered (Rs. Lacs)

Year	FAC Recoverable during the year	FAC Recovered during the year	(Over)/ Under Recovery for the year	Interest on (Over)/ Under Recovery for the Year
As at 31 st March 2004			-3870.00	-232.20
2004-05	5081.96	11013.00	-5931.04	-408.92
Total			-9801.04	-641.12

Thus, total amount of Rs. 10442.16 lacs (over recovered amount of Rs. 9801.04 lacs and interest of Rs. 641.12 lacs) will be considered for truing up for the year 2004-05 with other expenses and revenue heads as per Commission's Order dated 3rd August, 2005.

10. Summary of Results

Table: 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 2004 to March 2005 is given in the Table below:

Parameter	Unit	Apr-04		May-04		Jun-04		Jul-04		Aug-04		Sep-04	
		REL	Comm	REL	Comm	REL	Comm	REL	Comm	REL	Comm	REL	Comm
A. Calculation of FAC													
1. Change in variable cost of generation & power purchase	Rs. Lacs	-4.2	-6.78	-80.8	-80.91	66.4	66.04	90.7	217.80	-35.4	-35.45	886.9	886.92
2. Disallowance of change in variable cost of generation corresponding to excess aux consumption	Rs. Lacs	0.4	0.43	0.1	0.04	0	0.054	-	0.20	-0.1	0.14	0.2	0.16
3. Change in variable cost of generation and power purchase after accounting for disallowance i.e. Change in Cost (C)	Rs. Lacs	-4.6	-7.21	-80.9	-80.94	66.4	65.99	90.7	217.60	-35.5	-35.59	886.7	886.76
4. Working Capital interest (I)	Rs. Lacs	0	0	0	0	0	0	0	0	0	0	0	0
5. Adjustment for (Over Recovery) / Under Recovery (B)	Rs. Lacs	0	0	0	0	0	0	-	0	0	0	0	0
6. FAC = C + I+ B	Rs. Lacs	-4.6	-7.21	-80.9	-80.94	66.4	65.99	90.7	217.60	-35.5	-35.59	886.7	886.76
B. Calculation of FACkwh													
1. Sale within License Area	MU	600.06	600.06	590.383	590.38	560.509	560.509	551.14	551.14	644.493	523.649	552.295	552.295
2. Excess T & D loss	MU	0	0	0	0.298	0	0	0	4.742	5.912	5.915	0	0
3. FAC Charge without considering cap on monthly FAC charge	Paise/kwh	-	-0.12	-	-1.37	-	1.18	1.65	3.90	-	-0.67	-	16.06
4. Cap on monthly FAC Charge	Paise/kwh	-	29.90	-	29.90	-	29.90	-	29.90	-	29.90	-	29.90
5. FAC Charge (FACkwh) considering cap on monthly FAC Charge	Paise/kwh	-	-0.12	-	-1.37	-	1.18	-	3.90	-	-0.67	-	16.06
C. Recovery of FAC													
1. Recovery of FAC considering Cap on Monthly FAC Charge	Rs. Lacs	-	-7.21	-80.9	-85.02	66.4	65.99	-	215.80	-35.9	-35.99	886.7	886.76
2. FAC disallowed corresponding to excess T&D loss	Rs. Lacs	-	0	0	4.08	-	0	-	1.80	0.4	0.40	-	0
3. Carried forward FAC for recovery during future period	Rs. Lacs	-	0	0	0	-	0	-	0.00	-	0	-	0

10. Summary of Results

Table: 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 2004 to March 2005 is given in the Table below:

Parameter	Unit	Oct-04		Nov-04		Dec-04		Jan-05		Feb-05		Mar-05	
		REL	Comm	REL	Comm	REL	Comm	REL	Comm	REL	Comm	REL	Comm
A. Calculation of FAC													
1. Change in variable cost of generation & power purchase	Rs. Lacs	1060.1	1059.92	1171.4	1169.29	745.9	745.89	366.6	367.41	399.8	399.84	338.8	336.04
2. Disallowance of change in variable cost of generation corresponding to excess aux consumption	Rs. Lacs	0.6	0.57	0.5	0.49	0.5	0.50	0.6	0.623	1.0	1.04	0.4	0.39
3. Change in variable cost of generation and power purchase after accounting for disallowance i.e. Change in Cost (C)	Rs. Lacs	1059.5	1059.36	1170.9	1168.80	745.4	745.39	366.0	366.79	398.8	398.80	338.4	335.65
4. Working Capital interest (I)	Rs. Lacs	0	0	0	0	0	0	0	0.00	0	0.00	0	0.00
5. Adjustment for (Over Recovery) / Under Recovery (B)	Rs. Lacs	0	0	0	0	0	0	0	0.00	0	0.00	0	0.00
6. FAC = C + I+ B	Rs. Lacs	1059.5	1059.36	1170.9	1168.80	745.4	745.39	366.0	366.79	398.8	398.80	338.4	335.65
B. Calculation of FACkwh													
1. Sale within License Area	MU	566.304	566.304	565.184	565.184	529.788	529.788	484.875	484.875	460.344	460.34	523.723	523.72
2. Excess T & D loss	MU	10.028	10.028	0	0	0	0	0	0.00	0	0.00	24.023	24.02
3. FAC Charge without considering cap on monthly FAC charge	Paise/kwh	-	18.38	-	20.68	-	14.07	-	7.56	-	8.66	-	6.13
4. Cap on monthly FAC Charge	Paise/kwh	-	29.90	-	29.90	-	29.90	-	29.90	-	29.90	-	29.90
5. FAC Charge (FACkwh) considering cap on monthly FAC Charge	Paise/kwh	-	18.38	-	20.68	-	14.07	-	7.56	-	8.66	-	6.13
C. Recovery of FAC													
1. Recovery of FAC considering Cap on Monthly FAC Charge	Rs. Lacs	1041.1	1040.92	1170.9	1168.80	745.4	745.39	-	366.790	398.8	398.80	323.5	320.93
2. FAC disallowed corresponding to excess T&D loss	Rs. Lacs	18.4	18.43	-	0	-	0	-	0	-	0	14.9	14.72
3. Carried forward FAC for recovery during future period	Rs. Lacs	-	0	-	0	-	0	-	0	-	0	-	0

Annexure I - Summary of Operations for the month of April 2004 to March 2005

	Month	Apr-04		May-04		Jun-04		Jul-04*		Aug-04		Sep-04	
Particulars	Unit	Tariff Order for 04-05	Actual	Tariff Order for 04-05	Actual	Tariff Order for 04-05	Actual	Tariff Order for 04-05	Actual	Tariff Order for 04-05	Actual	Tariff Order for 04-05	Actual
Generation	MU	367.9	364.689	377.3	387.82	365.3	375.853	376.9	382.244	378.5	391.576	363.2	377.297
PLF	%age	98.77	101.3	98.77	104.25	98.77	104.4	98.77	102.75	98.77	105.26	98.77	104.8
Auxiliary Consumption	%age	7.34	7.62	7.34	7.6	7.34	7.52	7.34	7.57	7.34	7.52	7.34	7.5
Heat Rate	Kcal/kwh	2319	2274	2319	2271	2319	2276	2319	2279	2319	2263	2319	2271
Secondary oil consumption	ml/kwh	0.2	0.24	0.2	0.04	0.2	0	0.2	0.15	0.2	0.04	0.2	0
T&D loss	%age	13.9	7.78	13.9	13.94	13.9	13.42	13.9	14.63	13.9	14.86	13.9	13.37
Product Mix:													
Raw Coal	%age	0	0	0	0	0	0	0	28	0	33.29	0	32.11
Washed Coal	%age	80	85.35	80	90	80	89.01	80	54	80	49.33	80	54.86
Imported Coal	%age	20	14.65	20	10	20	10.99	20	18	20	17.39	20	13.04
Landed Price of Coal													
Raw Coal	Rs./MT		0		0		0		1702		1664		1675
Washed Coal	Rs./MT		1941		1931		1961		2007		2004		2020
Imported Coal	Rs./MT		2031		1683		1447		1726		1678		1687
Coal basket Price	Rs/Mkcal	433	451	433	435	433	438	433	443	433	442	433	445
Landed price of LDO	Rs./KL		16820		18863		0				16528		0
Landed price of HFO	Rs./KL		12327		0		0				23324		0
Secondary Oil basket price	Rs/Mkcal	1566	1572	1566	1983	1566	0	1566	1660	1566	1842	1566	0
All Fuel Price	Rs./Mkcal	434	452	434	435	434	438	434	444	434	442	434	445
Power purchases from TPC													
at 22/33kV	MU	302.6	269.677	296.8	282.68	252.6	248.202	235.6	251.61	239.2	221.669	246.7	246.77
at 220kV	MU	32.9	44.112	32.3	44.992	27.5	51.584	25.6	40.68	26	31.248	26.9	41.776
Total Power Purchases from TPC	MU	335.5	313.789	329.1	327.68	280.1	299.786	261.2	292.29	265.2	252.917	273.6	288.546
Energy Sales Metered	MU		595.59		585.96		556.334				519.107		547.681
Estimated consumption of unmetered	MU		4.47		4.42		4.175				4.542		4.614
Total Energy Sales	MU		600.06		590.38		560.509		551.140		523.649	0	552.295

* Approved by Commission vide its letter dated 19th January 2005

Annexure I - Summary of Operations for the month of April 2004 to March 2005

	Month	Oct-04		Nov-04		Dec-04		Jan-05		Feb-05		Mar-05	
Particulars	Unit	Tariff Order for 04-05	Actual	Tariff Order for 04-05	Actual	Tariff Order for 04-05	Actual	Tariff Order for 04-05	Actual	Tariff Order for 04-05	Actual	Tariff Order for 04-05	Actual
Generation	MU	370.1	381.134	319.1	324.78	314.3	337.812	357.5	385.022	355.1	338.973	380.8	391.986
PLF	%age	98.77	102.46	98.77	90.22	98.77	90.81	98.77	103.5	98.77	100.88	98.77	105.37
Auxiliary Consumption	%age	7.34	7.56	7.34	7.53	7.34	7.49	7.34	7.46	7.34	7.56	7.34	7.39
Heat Rate	Kcal/kwh	2319	2278	2319	2266	2319	2267	2319	2267	2319	2276	2319	2277
Secondary oil consumption	ml/kwh	0.2	0.17	0.2	0.34	0.2	0.36	0.2	0.01	0.2	0.35	0.2	0.07
T&D loss	%age	13.9	15.4	13.9	10.62	13.9	10.24	13.9	9.72	13.9	9.62	13.9	17.68
Product Mix:													
Raw Coal	%age	0	14.18	0	35.63	0	25.46	0	24.64	0	0	0	0
Washed Coal	%age	80	61.97	80	46.75	80	54.66	80	49.69	80	75	80	83.36
Imported Coal	%age	20	23.85	20	17.62	20	19.89	20	25.68	20	25	20	16.64
Landed Price of Coal													
Raw Coal	Rs./MT		1812		1711		1693		1738		0		0
Washed Coal	Rs./MT		2000		2044		2061		2115		2135		2142
Imported Coal	Rs./MT		1901		2735		2300		2414		1800		2289
Coal basket Price	Rs/Mkcal	433	462	433	467	433	474	433	492	433	492	433	512
Landed price of LDO	Rs./KL		16528		18467		19393		19393		20090		21225
Landed price of HFO	Rs./KL		14804		14730		14726		0		12365		14534
Secondary Oil basket price	Rs/Mkcal	1566	1693	1566	1796	1566	1900	1566	2043	1566	2050	1566	1928
All Fuel Price	Rs./Mkcal	434	463	434	469	434	476	434	492	434	495	434	513
Power purchases from TPC													
at 22/33kV	MU	283.8	265.456	283.1	253.64	243.2	220.498	174.4	161.093	198.2	169.551	311.1	234.01
at 220kV	MU	30.9	51.592	30.8	78.332	26.5	57.24	19.0	19.704	21.6	26.42	33.9	39.164
Total Power Purchases from TPC	MU	314.7	317.048	313.9	331.97	269.7	277.738	193.4	180.797	219.8	195.971	345	273.174
Energy Sales Metered	MU		561.276		560.11		524.423		479.59		455.684		518.754
Estimated consumption of unmetered	MU		5.028		5.071		5.365		5.285		4.66		4.969
Total Energy Sales	MU		566.304		565.18		529.788		484.875		460.344		523.723

Annexure –II MONTH: APRIL 2004

A) Cost of Coal basket and Secondary Oil basket

Coal Basket					
Particulars	Unit	Raw Coal	Washed Coal	Imported Coal	Total
Consumption	MT	0	163056	27986	191042
Blending Ratio	%	0	85.35	14.65	100
Consumption of coal	Mkcal	0	678605	149979	828584
Calorific Value	kcal/kg	0	4162	5359	4337
Landed Price of Coal	Rs/MT	0	1941	2031	1955
Total consumption of coal	Rs. Lacs	0	3165.67	568.52	3734.19
Landed Price of Coal	Rs/Mkcal	0	466	379	451

Secondary Oil Basket					
Particular	Unit	LDO	HFO		Total
Total Oil consumption	KL	57.695	31.549		89
Total Oil consumption	Mkcal	548.91	316.015		865
Calorific Value of Oil	kcal/ltrs	9514	10017		9692
Specific Consumption of Oil	ml/kwh	0.16	0.09		0.24
Landed Price of Secondary Oil	Rs/KL	16820	12327		15232
Total consumption of Sec Oil	Rs lacs	9.70	3.89		13.59
Landed Price of Secondary Oil	Rs/Mkcal	1768	1231		1572

Total fuel Cost					
Total consumption of fuel	Mkcal				829449
Total cost of fuel	Rs lacs				3747.78
Landed Price of fuel	Rs/Mkcal				452

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		April-04	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4337	451
Secondary Oil basket (kcal/L)	10619	1566	9692	1572
All fuels		434		452

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Apr 04	Considered for FAC (Apr 04)	Order (FY 2004-05)	Actual REL Apr 04
DTPS (kcal/kwh)	2319	2274	2319	7.34%	7.62%

D) Variable Cost of Generation & Power Purchase for April 2004 :

Source	Tariff Order (FY 2004-05) Apr 04			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	367.90	3700.00	1.048	364.689	3821.27
Power Purchase from TPC (B)	2.611	335.50	8760.00	2.610	313.789	8189.90
Variable cost of gen & power purchase (A+B)	1.771	703.40	12460.00	1.770	678.478	12011.17

a) Change in VCgen disallowable due to excess aux. Consumption is Rs. 0.042 / kwh

b) Change in VCgen & VCpp is Rs. -0.001 / kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for April 2004 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	1.021	0.042	0.427

F) Change in Variable Cost of Generation and Power Purchase for April 2004 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.771
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.770
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	-0.001
Gross generation and power purchase	MU	678.478
Change in variable cost of generation and power purchase	Rs Lacs	-6.78
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.427
Net change in variable cost of generation and power purchase	Rs Lacs	-7.21

Annexure II MONTH : MAY 2004

A) Cost of Coal basket and Secondary Oil basket

Coal Basket					
Particulars	Unit	Raw Coal	Washed Coal	Imported Coal	Total
Consumption	MT	0	180953	20106	201059
Blending Ratio	%	0	90.00	10.00	100
Consumption of coal	Mkcal	0	771354	109377	880731
Calorific Value	kcal/kg	0	4263	5440	4380
Landed Price of Coal	Rs/MT	0	1931	1683	1906
Total consumption of coal	Rs. Lacs	0	3494.79	338.38	3833.18
Landed Price of Coal	Rs/Mkcal	0	453	309	435

Secondary Oil Basket					
Particular	Unit	LDO	HFO		Total
Total Oil consumption	KL	13.915	0		14
Total Oil consumption	Mkcal	132.387	0		132
Calorific Value of Oil	kcal/ltrs	9514	0		9514
Specific Consumption of Oil	ml/kwh	0.04	0.00		0.04
Landed Price of Secondary Oil	Rs/KL	18863	0		18863.00
Total consumption of Sec Oil	Rs lacs	2.62	0.00		2.62
Landed Price of Secondary Oil	Rs/Mkcal	1983	0		1983

Total fuel Cost					
Total consumption of fuel	Mkcal				880863
Total cost of fuel	Rs lacs				3835.80
Landed Price of fuel	Rs/Mkcal				435

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		May-04	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4380	435
Secondary Oil basket (kcal/L)	10619	1566	9514	1983
All fuels		434		435

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL May 04	Considered for FAC (May 04)	Order (FY 2004-05)	Actual REL May 04
DTPS (kcal/kwh)	2319	2271	2319	7.34%	7.60%

D) Variable Cost of Generation & Power Purchase for May 2004 :

Source	Tariff Order (FY 2004-05) May 04			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	377.30	3800.00	1.010	387.824	3916.36
Power Purchase from TPC (B)	2.610	329.10	8590.00	2.610	327.675	8552.32
Variable cost of gen & power purchase (A+B)	1.754	706.40	12390.00	1.743	715.499	12468.69

c) Change in VCgen disallowable due to excess aux. Consumption is Rs. 0.004 / kwh

d) Change in VCgen & VCpp is Rs. -0.011 / kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for May 2004:

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	1.008	0.004	0.039

F) Change in Variable Cost of Generation and Power Purchase for May 2004 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.754
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.743
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	-0.011
Gross generation and power purchase	MU	715.499
Change in variable cost of generation and power purchase	Rs Lacs	-80.91
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.039
Net change in variable cost of generation and power purchase	Rs Lacs	-80.94

Annexure –II MONTH: JUNE 2004

A) Cost of Coal basket and Secondary Oil basket

Coal Basket					
Particulars	Unit	Raw Coal	Washed Coal	Imported Coal	Total
Consumption	MT	0	174980	21602	196582
Blending Ratio	%	0	89.01	10.99	100
Consumption of coal	Mkcal	0	739682	115882	855564
Calorific Value	kcal/kg	0	4227	5364	4352
Landed Price of Coal	Rs/MT	0	1961	1447	1904
Total consumption of coal	Rs. Lacs	0	3430.76	312.58	3743.34
Landed Price of Coal	Rs/Mkcal	0	464	270	438

Secondary Oil Basket					
Particular	Unit	LDO	HFO		Total
Total Oil consumption	KL	0	0		0
Total Oil consumption	Mkcal	0	0		0
Calorific Value of Oil	kcal/ltrs	0	0		0
Specific Consumption of Oil	ml/kwh	0.00	0.00		0.00
Landed Price of Secondary Oil	Rs/KL	0.00	0.00		0.00
Total consumption of Sec Oil	Rs lacs	0.00	0.00		0.00
Landed Price of Secondary Oil	Rs/Mkcal	0	0		0

Total fuel Cost					
Total consumption of fuel	Mkcal				855564
Total cost of fuel	Rs lacs				3743.34
Landed Price of fuel	Rs/Mkcal				438

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		June-04	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4352	438
Secondary Oil basket (kcal/L)	10619	1566	0	0
All fuels		434		438

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL June 04	Considered for FAC (June 04)	Order (FY 2004-05)	Actual REL June 04
DTPS (kcal/kwh)	2319	2276	2319	7.34%	7.52%

D) Variable Cost of Generation & Power Purchase for June 2004 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.007	365.3	3680.00	1.015	375.853	3813.52
Power Purchase from TPC (B)	1.853	280.1	5190.00	1.847	299.786	5535.81
Variable cost of gen & power purchase (A+B)	1.374	645.4	8870.00	1.384	675.639	9349.32

- a) Change in VCgen disallowable due to excess aux. Consumption is Rs. 0.008 / kwh
b) Change in VCgen & VCpp is Rs. 0.010 / kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for June 2004 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.677	0.008	0.054

F) Change in Variable Cost of Generation and Power Purchase for June 2004 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.374
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.384
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.010
Gross generation and power purchase	MU	675.639
Change in variable cost of generation and power purchase	Rs Lacs	66.04
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.054
Net change in variable cost of generation and power purchase	Rs Lacs	65.99

Annexure –II MONTH: AUGUST 2004

A) Cost of Coal basket and Secondary Oil basket

Coal Basket					
Particulars	Unit	Raw Coal	Washed Coal	Imported Coal	Total
Consumption	MT	71075	105332	37125	213532
Blending Ratio	%	33.29	49.33	17.39	100.00
Consumption of coal	Mkcal	253082	430702	202295	886079
Calorific Value	kcal/kg	3561	4089	5449	4150
Landed Price of Coal	Rs/MT	1664	2004	1678	1834
Total consumption of coal	Rs. Lacs	1183	2111	623	3916
Landed Price of Coal	Rs/Mkcal	467	490	308	442

Secondary Oil Basket					
Particular	Unit	LDO	HFO		Total
Total Oil consumption	KL	13.737	2.814		17
Total Oil consumption	Mkcal	130.694	28.187		159
Calorific Value of Oil	kcal/ltrs	9514	10017		9599
Specific Consumption of Oil	ml/kwh	0.04	0.01		0.04
Landed Price of Secondary Oil	Rs/KL	16528	23324		17683
Total consumption of Sec Oil	Rs lacs	2.27	0.66		2.93
Landed Price of Secondary Oil	Rs/Mkcal	1737	2329		1842

Total fuel Cost					
Total consumption of fuel	Mkcal				886238
Total cost of fuel	Rs lacs				3919.23
Landed Price of fuel	Rs/Mkcal				442

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		August-04	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4150	442
Secondary Oil basket (kcal/L)	10619	1566	9599	1842
All fuels		434		442

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Aug 04	Considered for FAC (Aug 04)	Order (FY 2004-05)	Actual REL Aug 04
DTPS (kcal/kwh)	2319	2263	2319	7.34%	7.52%

D) Variable Cost of Generation & Power Purchase for August 2004 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	378.500	3810.00	1.026	391.576	4015.75
Power Purchase from TPC (B)	1.855	265.200	4920.00	1.851	252.917	4681.68
Variable cost of gen & power purchase (A+B)	1.355	643.700	8730.00	1.349	644.493	8697.43

a) Change in VCgen disallowable due to excess aux. Consumption is Rs. 0.020 / kwh

b) Change in VCgen & VCpp is Rs. -0.006 / kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for August 2004 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.694	0.020	0.136

F) Change in Variable Cost of Generation and Power Purchase for August 2004 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.355
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.349
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	-0.006
Gross generation and power purchase	MU	644.493
Change in variable cost of generation and power purchase	Rs Lacs	-35.45
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.136
Net change in variable cost of generation and power purchase	Rs Lacs	-35.59

Annexure –II MONTH: SEPTEMBER 2004

A) Cost of Coal basket and Secondary Oil basket

Coal Basket					
Particulars	Unit	Raw Coal	Washed Coal	Imported Coal	Total
Consumption	MT	65637	112136	26647	204420
Blending Ratio	%	32.11	54.86	13.04	100
Consumption of coal	Mkcal	255686	456507	144762	856955
Calorific Value	kcal/kg	3895	4071	5433	4192
Landed Price of Coal	Rs/MT	1675	2020	1687	1866
Total consumption of coal	Rs. Lacs	1099.49	2265.25	449.53	3814.27
Landed Price of Coal	Rs/Mkcal	430	496	311	445

Secondary Oil Basket					
Particular	Unit	LDO	HFO		Total
Total Oil consumption	KL	0	0		0
Total Oil consumption	Mkcal	0	0		0
Calorific Value of Oil	kcal/ltrs	0	0		0
Specific Consumption of Oil	ml/kwh	0.00	0.00		0.00
Landed Price of Secondary Oil	Rs/KL	0	0		0
Total consumption of Sec Oil	Rs lacs	0.00	0.00		0.00
Landed Price of Secondary Oil	Rs/Mkcal	0	0		0

Total fuel Cost					
Total consumption of fuel	Mkcal				856955
Total cost of fuel	Rs lacs				3814.27
Landed Price of fuel	Rs/Mkcal				445

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		September-04	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4192	445
Secondary Oil basket (kcal/L)	10619	1566	0	0
All fuels		434		445

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Sep 04	Considered for FAC (Sep 04)	Order (FY 2004-05)	Actual REL Sep 04
DTPS (kcal/kwh)	2319	2271	2319	7.34%	7.50%

D) Variable Cost of Generation & Power Purchase for September 2004 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	363.2	3660.00	1.032	377.297	3894.37
Power Purchase from TPC (B)	1.853	273.6	5070.00	2.119	288.546	6114.60
Variable cost of gen & power purchase (A+B)	1.370	636.8	8730.00	1.503	665.843	10008.97

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs. 0.026 /kwh

b) Change in VCgen & VC_{pp} is Rs. 0.133/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for September 2004 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.611	0.026	0.160

F) Change in Variable Cost of Generation and Power Purchase for September 2005 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.370
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.503
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.133
Gross generation and power purchase	MU	665.843
Change in variable cost of generation and power purchase	Rs Lacs	886.92
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.160
Net change in variable cost of generation and power purchase	Rs Lacs	886.76

Annexure –II MONTH: OCTOBER 2004

A) Cost of Coal basket and Secondary Oil basket

Coal Basket					
Particulars	Unit	Raw Coal	Washed Coal	Imported Coal	Total
Consumption	MT	29163	127478	49069	205710
Blending Ratio	%	14.18	61.97	23.85	100
Consumption of coal	Mkcal	113618	542544	211576	867738
Calorific Value	kcal/kg	3896	4256	4312	4218
Landed Price of Coal	Rs/MT	1812	2000	1901	1950
Total consumption of coal	Rs. Lacs	528.43	2549.85	933.02	4011.30
Landed Price of Coal	Rs/Mkcal	465	470	441	462

Secondary Oil Basket					
Particular	Unit	LDO	HFO		Total
Total Oil consumption	KL	53.574	9.84		63
Total Oil consumption	Mkcal	510.659	98.564		609
Calorific Value of Oil	kcal/ltrs	9532	10017		9607
Specific Consumption of Oil	ml/kwh	0.14	0.03		0.17
Landed Price of Secondary Oil	Rs/KL	16528	14804		16260
Total consumption of Sec Oil	Rs lacs	8.85	1.46		10.31
Landed Price of Secondary Oil	Rs/Mkcal	1734	1478		1693

Total fuel Cost					
Total consumption of fuel	Mkcal				868347
Total cost of fuel	Rs lacs				4021.62
Landed Price of fuel	Rs/Mkcal				463

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		October-04	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4218	462
Secondary Oil basket (kcal/L)	10619	1566	9607	1693
All fuels		434		463

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Oct 04	Considered for FAC (Oct 04)	Order (FY 2004-05)	Actual REL Oct 04
DTPS (kcal/kwh)	2319	2278	2319	7.34%	7.56%

D) Variable Cost of Generation & Power Purchase for October 2004 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	370.1	3730.00	1.074	381.134	4093.41
Power Purchase from TPC (B)	1.853	314.7	5830.00	2.117	317.048	6713.32
Variable cost of gen & power purchase (A+B)	1.396	684.8	9560.00	1.548	698.182	10806.73

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs. 0.068 /kwh

b) Change in VCgen & VC_{pp} is Rs. 0.152/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for October 2004 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.831	0.068	0.565

F) Change in Variable Cost of Generation and Power Purchase for October 2004 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.396
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.548
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.152
Gross generation and power purchase	MU	698.182
Change in variable cost of generation and power purchase	Rs Lacs	1059.92
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.565
Net change in variable cost of generation and power purchase	Rs Lacs	1059.36

Annexure –II MONTH: NOVEMBER 2004

A) Cost of Coal basket and Secondary Oil basket

Coal Basket					
Particulars	Unit	Raw Coal	Washed Coal	Imported Coal	Total
Consumption	MT	59707	78346	29531	167584
Blending Ratio	%	35.63	46.75	17.62	100
Consumption of coal	Mkcal	235244	345863	153884	734991
Calorific Value	kcal/kg	3940	4415	5211	4386
Landed Price of Coal	Rs/MT	1711	2044	2735	2047
Total consumption of coal	Rs. Lacs	1021.59	1601.40	807.64	3430.63
Landed Price of Coal	Rs/Mkcal	434	463	525	467

Secondary Oil Basket					
Particular	Unit	LDO	HFO		Total
Total Oil consumption	KL	77.245	31.75		109
Total Oil consumption	Mkcal	736.423	318.029		1054
Calorific Value of Oil	kcal/ltrs	9534	10017		9674
Specific Consumption of Oil	ml/kwh	0.24	0.10		0.34
Landed Price of Secondary Oil	Rs/KL	18467	14730		17378
Total consumption of Sec Oil	Rs lacs	14.26	4.68		18.94
Landed Price of Secondary Oil	Rs/Mkcal	1937	1471		1796

Total fuel Cost					
Total consumption of fuel	Mkcal				736045
Total cost of fuel	Rs lacs				3449.57
Landed Price of fuel	Rs/Mkcal				469

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		November-04	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4386	467
Secondary Oil basket (kcal/L)	10619	1566	9674	1796
All fuels		434		469

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Nov 04	Considered for FAC (Nov 04)	Order (FY 2004-05)	Actual REL Nov 04
DTPS (kcal/kwh)	2319	2266	2319	7.34%	7.53%

D) Variable Cost of Generation & Power Purchase for November 2004 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	319.1	3210.00	1.087	324.784	3529.85
Power Purchase from TPC (B)	1.854	313.9	5820.00	2.111	331.9729	7006.86
Variable cost of gen & power purchase (A+B)	1.426	633.1	9030.00	1.604	656.757	10536.71

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs. 0.081 /kwh
b) Change in VCgen & VCpp is Rs. 0.178/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for November 2004 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.604	0.081	0.488

F) Change in Variable Cost of Generation and Power Purchase for November 2004 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.426
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.604
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.178
Gross generation and power purchase	MU	656.757
Change in variable cost of generation and power purchase	Rs Lacs	1169.29
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.488
Net change in variable cost of generation and power purchase	Rs Lacs	1168.80

Annexure –II MONTH: DECEMBER 2004

A) Cost of Coal basket and Secondary Oil basket

Coal Basket					
Particulars	Unit	Raw Coal	Washed Coal	Imported Coal	Total
Consumption	MT	45820	98364	35788	179972
Blending Ratio	%	25.46	54.66	19.89	100
Consumption of coal	Mkcal	172147	423194	169412	764753
Calorific Value	kcal/kg	3757	4302	4734	4249
Landed Price of Coal	Rs/MT	1693	2061	2300	2015
Total consumption of coal	Rs. Lacs	775.73	2027.28	823.20	3626.21
Landed Price of Coal	Rs/Mkcal	451	479	486	474

Secondary Oil Basket					
Particular	Unit	LDO	HFO		Total
Total Oil consumption	KL	91.432	28.740		120
Total Oil consumption	Mkcal	867.822	287.878		1156
Calorific Value of Oil	kcal/ltrs	9491	10017		9617
Specific Consumption of Oil	ml/kwh	0.27	0.09		0.36
Landed Price of Secondary Oil	Rs/KL	19393	14726		18277
Total consumption of Sec Oil	Rs lacs	17.73	4.23		21.96
Landed Price of Secondary Oil	Rs/Mkcal	2043	1470		1900

Total fuel Cost					
Total consumption of fuel	Mkcal				765909
Total cost of fuel	Rs lacs				3648.17
Landed Price of fuel	Rs/Mkcal				476

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		December-04	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4249	474
Secondary Oil basket (kcal/L)	10619	1566	9617	1900
All fuels		434		476

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Dec 04	Considered for FAC (Dec 04)	Order (FY 2004-05)	Actual REL Dec 04
DTPS (kcal/kwh)	2319	2267	2319	7.34%	7.49%

D) Variable Cost of Generation & Power Purchase for December 2004 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	314.3	3160.00	1.105	337.812	3731.42
Power Purchase from TPC (B)	1.854	269.7	5000.00	2.023	277.738	5619.86
Variable cost of gen & power purchase (A+B)	1.398	584.0	8160.00	1.519	615.550	9351.28

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs. 0.099 /kwh

b) Change in VCgen & VC_{pp} is Rs. 0.121/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for December 2004 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.507	0.099	0.499

F) Change in Variable Cost of Generation and Power Purchase for December 2004 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.398
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.519
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.121
Gross generation and power purchase	MU	615.550
Change in variable cost of generation and power purchase	Rs Lacs	745.89
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.499
Net change in variable cost of generation and power purchase	Rs Lacs	745.39

Annexure –II MONTH: JANUARY 2005

A) Cost of Coal basket and Secondary Oil basket

Coal Basket					
Particulars	Unit	Raw Coal	Washed Coal	Imported Coal	Total
Consumption	MT	50442.06	101733	52578	204753.06
Blending Ratio	%	24.64	49.69	25.68	100
Consumption of coal	Mkcal	189258	425244	258368	872871
Calorific Value	kcal/kg	3752	4180	4914	4263
Landed Price of Coal	Rs/MT	1738	2115	2414	2099
Total consumption of coal	Rs. Lacs	876.68	2151.66	1269.44	4297.79
Landed Price of Coal	Rs/Mkcal	463	506	491	492

Secondary Oil Basket					
Particular	Unit	LDO	HFO		Total
Total Oil consumption	KL	2.747	0		3
Total Oil consumption	Mkcal	26.073	0		26
Calorific Value of Oil	kcal/ltrs	9491	0		9491
Specific Consumption of Oil	ml/kwh	0.01	0		0.01
Landed Price of Secondary Oil	Rs/KL	19393.00	0		19393.00
Total consumption of Sec Oil	Rs lacs	0.53	0		0.53
Landed Price of Secondary Oil	Rs/Mkcal	2043	0		2043

Total fuel Cost					
Total consumption of fuel	Mkcal				872897
Total cost of fuel	Rs lacs				4298.32
Landed Price of fuel	Rs/Mkcal				492

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		January-05	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4263	492
Secondary Oil basket (kcal/L)	10619	1566	9491	2043
All fuels		434		492

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Jan 2005	Considered for FAC (Jan 05)	Order (FY 2004-05)	Actual REL Jan 2005
DTPS (kcal/kwh)	2319	2267	2319	7.34%	7.46%

D) Variable Cost of Generation & Power Purchase for January 2005 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.007	357.5	3600.00	1.142	385.022	4396.65
Power Purchase from TPC (B)	1.851	193.4	3580.00	1.852	180.781	3348.83
Variable cost of gen & power purchase (A+B)	1.304	550.9	7180.00	1.369	565.803	7745.48

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs. 0.135 /kwh

b) Change in VCgen & VCpp is Rs. 0.065/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for January 2005 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.462	0.135	0.623

F) Change in Variable Cost of Generation and Power Purchase for January 2005 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.304
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.369
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.065
Gross generation and power purchase	MU	565.803
Change in variable cost of generation and power purchase	Rs Lacs	367.41
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.623
Net change in variable cost of generation and power purchase	Rs Lacs	366.79

Annexure –II MONTH: FEBRUARY 2005

A) Cost of Coal basket and Secondary Oil basket

Coal Basket					
Particulars	Unit	Raw Coal	Washed Coal	Imported Coal	Total
Consumption	MT	0	138748	46249	184997
Blending Ratio	%	0	75.00	25.00	100
Consumption of coal	Mkcal	0	576227	194247	770474
Calorific Value	kcal/kg	0	4153	4200	4165
Landed Price of Coal	Rs/MT	0	2135	1800	2051
Total consumption of coal	Rs. Lacs	0	2961.94	832.30	3794.24
Landed Price of Coal	Rs/Mkcal	0	514	428	492

Secondary Oil Basket					
Particular	Unit	LDO	HFO		Total
Total Oil consumption	KL	111.253	7.236		118
Total Oil consumption	Mkcal	1061.506	72.48		1134
Calorific Value of Oil	kcal/ltrs	9541	10017		9570
Specific Consumption of Oil	ml/kwh	0.33	0.02		0.35
Landed Price of Secondary Oil	Rs/KL	20090	12365		19618
Total consumption of Sec Oil	Rs lacs	22.35	0.89		23.25
Landed Price of Secondary Oil	Rs/Mkcal	2106	1234		2050

Total fuel Cost					
Total consumption of fuel	Mkcal				771608
Total cost of fuel	Rs lacs				3817.49
Landed Price of fuel	Rs/Mkcal				495

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		February-05	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4165	492
Secondary Oil basket (kcal/L)	10619	1566	9570	2050
All fuels		434		495

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Feb 05	Considered for FAC (Feb 05)	Order (FY 2004-05)	Actual REL Feb 05
DTPS (kcal/kwh)	2319	2276	2319	7.34%	7.56%

D) Variable Cost of Generation & Power Purchase for February 2005 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	355.1	3570.00	1.147	338.973	3889.08
Power Purchase from TPC (B)	1.853	219.8	4070.00	1.850	195.971	3625.52
Variable cost of gen & power purchase (A+B)	1.330	574.9	7640.00	1.405	534.944	7514.59

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs. 0.141 /kwh

b) Change in VC_{gen} & VC_{pp} is Rs. 0.075/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for February 2005 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.736	0.141	1.041

F) Change in Variable Cost of Generation and Power Purchase for February 2005 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.330
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.405
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.075
Gross generation and power purchase	MU	534.944
Change in variable cost of generation and power purchase	Rs Lacs	399.84
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	1.041
Net change in variable cost of generation and power purchase	Rs Lacs	398.80

Annexure –II MONTH: MARCH 2005

A) Cost of Coal basket and Secondary Oil basket

Coal Basket					
Particulars	Unit	Raw Coal	Washed Coal	Imported Coal	Total
Consumption	MT	0	175848	35091	210939
Blending Ratio	%	0	83.36	16.64	100
Consumption of coal	Mkcal	0	727829	164585	892414
Calorific Value	kcal/kg	0	4139	4690	4231
Landed Price of Coal	Rs/MT	0	2142	2289	2167
Total consumption of coal	Rs. Lacs	0	3767.19	803.17	4570.36
Landed Price of Coal	Rs/Mkcal	0	518	488	512

Secondary Oil Basket					
Particular	Unit	LDO	HFO		Total
Total Oil consumption	KL	17.328	10.251		28
Total Oil consumption	Mkcal	165.333	102.681		268
Calorific Value of Oil	kcal/ltrs	9541	10017		9718
Specific Consumption of Oil	ml/kwh	0.04	0.03		0.07
Landed Price of Secondary Oil	Rs/KL	21225.00	14534.00		18737.98
Total consumption of Sec Oil	Rs lacs	3.68	1.49		5.17
Landed Price of Secondary Oil	Rs/Mkcal	2225	1451		1928

Total fuel Cost					
Total consumption of fuel	Mkcal				892682
Total cost of fuel	Rs lacs				4575.53
Landed Price of fuel	Rs/Mkcal				513

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		March-05	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4231	512
Secondary Oil basket (kcal/L)	10619	1566	9718	1928
All fuels		434		513

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Mar 05	Considered for FAC (Mar 05)	Order (FY 2004-05)	Actual REL Mar 05
DTPS (kcal/kwh)	2319	2277	2319	7.34%	7.39%

D) Variable Cost of Generation & Power Purchase for March 2005 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	380.8	3830.00	1.189	391.986	4659.24
Power Purchase from TPC (B)	1.853	345.0	6390.00	1.849	273.174	5051.64
Variable cost of gen & power purchase (A+B)	1.409	725.8	10230.00	1.460	665.160	9710.89

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs. 0.183 /kwh

b) Change in VC_{gen} & VC_{pp} is Rs. 0.051/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for March 2005 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.214	0.183	0.392

F) Change in Variable Cost of Generation and Power Purchase for March 2005 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.409
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.460
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.051
Gross generation and power purchase	MU	665.160
Change in variable cost of generation and power purchase	Rs Lacs	336.04
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.392
Net change in variable cost of generation and power purchase	Rs Lacs	335.65

Annexure –III

Table: The status of FAC Over / (Under) Recovery account as submitted by REL

Particulars	Rs. Crs.
Over / (under) Recovery as at 31st March 2004	38.70
Less: Adjustment on account of Actual billing vis-à-vis estimated billing for March 2004	-1.57
Over / (under) Recovery as at 31st March 2004	37.13
Less: FAC recoverable from consumers for the period April to June 2004	-111.77
Add: FAC recovered from consumers for the period April to June 2004 (As per Old Method upto 30th June 2004)	109.79
Over / (Under) Recovery	35.15
Less: FAC chargeable for the month of July 2004 as approved by the Hon'ble Commission vide letter dated 19th Jan 2005	-2.16
Over / (Under) Recovery	32.99
Less: FAC chargeable for the period Aug 2004 to Sept 2004	-8.51
Over / (Under) Recovery	24.48
Less: FAC Chargeable for the Quarter Oct 2004 to Dec 2004	-29.57
Over / (Under) Recovery	-5.09
Less: FAC chargeable for the quarter Jan 2005 to March 2005	-10.90
Over / (Under) Recovery	-15.99
Less: Year End adjustment on account of T&D Loss for FY 2004-05	-0.36
Over / (Under) Recovery as at 31st March 2005	-16.35
Less: FAC chargeable as per Old Method for the period April 2004 to June 2004	111.77
Add: FAC refundable as per New Methodology (as per July FAC order)	0.19
Over / (under) Recovery as at 31st March 2005 (Revised)	95.61

Annexure –III

Table: FAC Recoverable & FAC Recovered Statement considered by Commission

A) **(Rs. Lacs)**

Month	FAC recoverable	FAC recovered (Billed) as submitted by REL	(Over) / Under Recovery	Cumulative (Over)/Under Recovery	Interest @6% p.a. on the cumulative (Over)/Under Recovery
Apr-04	-7.21	35.00	-42.21	-42.21	-0.21
May-04	-85.02	3720.00	-3805.02	-3847.23	-19.24
Jun-04	65.99	3671.00	-3605.01	-7452.24	-37.26
Jul-04	215.80	1.00	214.80	-7237.44	-36.19
Aug-04	-35.99	3564.00	-3599.99	-10837.43	-54.19
Sep-04	886.76	-3.00	889.76	-9947.67	-49.74
Oct-04	1040.92	-4.00	1044.92	-8902.75	-44.51
Nov-04	1168.80	-1.00	1169.80	-7732.95	-38.66
Dec-04	745.39	-1.00	746.39	-6986.56	-34.93
Jan-05	366.79	13.00	353.79	-6632.77	-33.16
Feb-05	398.80	-1.00	399.80	-6232.97	-31.16
Mar-05	320.93	19.00	301.93	-5931.04	-29.66
Total	5081.96	11013.00	-5931.04		-408.92

		(Over) Recovery	Interest @6% p.a.
B)	(Over) recovery as at 31st March 2004	-3870.00	-232.20
Over recovery for the year 2004-05 (A)			5931.04
Over Recovered FAC as of 31st March 2004 (B)			3870.00
Interest on over recovery (A) as on 31st March 2005			408.92
Interest on carried forward over recovery (B) as of 31st March 2005			232.20
Total Over recovery as on 31st March 2005			10442.16

ANNEXURE B

**Re: Vetting of the Fuel Adjustment Cost (FAC) charges claimed by Reliance
Energy Ltd (REL) for April 2005 – March 2006
Attachment to MERC letter No. MERC/REL-FAC/1243 dated 08.06.2006**

REL has worked out the FAC for the month of April - March 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.

1. Background:

- 1.1 As per clause 14.4 of the Tariff Order passed on 1st July 2004, REL is required 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 2005 to March 2006 covering all the four quarters of FY 05-06.
- 1.2 Comparison of generation and power purchase for the month of April 2005 to March 2006 with the Tariff Order is summarized at Annexure-I.
- 1.3 REL has submitted affidavit verifying the application.
- 1.4 REL has 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 2005 to March 2006.
- 1.5 The Cost Accountant has certified the data submitted by REL.
- 1.6 Earlier the Commission vides its letter Ref No. MERC/Case No. 18 of 2003/FAC/2005/0798 dated 13th April 2006 communicated vetting of FAC for the months of October 2005 to December 2005. Now, this note gives vetting of all months for the FY 2005-06.

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

REL has considered the base variable cost (fuel) for own generation and power purchase as Rs. 1.379/kwh for FY05-06 as against base cost of Rs. 1.385/kwh considered in the Tariff Order for FY 2004-05. REL has computed base rate for FY05-06 based on the base rates considered in the Tariff Order for FY 2004-05 for own generation and power purchase keeping the quantity of power purchase and own generation same. The detailed working is at Annexure-III. The Commission accepts the base variable cost of fuel for own generation and power purchase as Rs. 1.379/kwh.

Normative Actual Variable (Fuel) Cost of generation and power purchase is compared with Rs.1.379/kwh to arrive at the change in weighted average cost of variable (fuel) cost of generation and power purchase. The Net Change in variable (fuel) cost of own generation and power purchase is computed by multiplying quantum of gross generation and power purchase with change in weighted average cost of own generation and power purchase less disallowance of FAC corresponding to excess auxiliary consumption. The table below summarises the month wise increase in weighted Average Variable (fuel) cost of Gen & PP and Net Change in Variable (fuel) Cost of Generation & Power Purchase.

Table: Variable cost, Increase in Weighted Average Cost and Net Change in Variable Cost of Gen& PP

Month	Normative Actual Variable (fuel) cost of gen & pp (Re/kwh)		Increase in Weighted Avg Variable (fuel) cost of gen & pp (Paise/kwh)		Net Change in Variable Cost of own generation and power purchase (Rs. Lacs)	
	REL's Submission	Comm's Approval	REL's Submission	Comm's Approval	REL's Submission	Comm's Approval
Apr 05	1.514	1.513	13.5	13.4	967.100	960.259
May 05	1.523	1.519	14.4	14.0	1067.000	1039.072
Jun 05	1.542	1.529	16.2	15.0	1187.730	1091.401
Jul 05	1.500	1.499	12.1	12.0	838.970	831.735
Aug 05	1.650	1.634	27.1	25.5	1852.950	1737.935
Sept 05	1.716	1.715	33.6	33.6	2264.100	2256.358
Oct 05	1.627	1.627	24.8	24.8	1871.770	1869.495
Nov 05	1.537	1.537	15.8	15.8	1027.060	1026.573
Dec 05	1.554	1.515	17.5	13.6	1115.410	869.103
Jan 06	1.481	1.481	10.2	10.2	637.660	637.250
Feb 06	1.521	1.521	14.2	14.2	892.690	892.609
Mar 06	1.635	1.633	25.6	25.4	1814.460	1798.041

2.1 Change in variable Cost of own generation:

The Commission has assessed the change in variable cost of own generation taking into consideration change in fuel mix, actual fuel price and normative heat rate. The Commission has considered base rate as Rs.1.006 / kwh as considered in the Tariff Order dated 1st July 2004.

Table: Summary of Variable (Fuel) Cost of own generation

Month	Total Normative variable cost of generation (Fuel Cost) (Rs. lacs)		Variable cost of own generation (fuel cost) (Rs./kwh)		Increase in variable cost of own generation (fuel cost) (Paise/kwh)	
	REL's submission	Commission's approval	REL's submission	Commission's approval	REL's submission	Commission's approval
Apr 05	4538.17	4530.10	1.211	1.210	20.5	20.4
May 05	4786.65	4758.23	1.216	1.223	21.0	21.7
Jun 05	4435.51	4340.50	1.232	1.206	22.6	20.0
Jul 05	4610.70	4602.89	1.215	1.213	20.9	20.7
Aug 05	4352.00	4239.97	1.259	1.226	25.3	22.0
Sept 05	2643.21	2636.30	1.223	1.220	21.7	21.4
Oct 05	4582.17	4582.18	1.207	1.207	20.1	20.1
Nov 05	4342.97	4342.97	1.157	1.157	15.1	15.1
Dec 05	4761.29	4512.55	1.230	1.166	22.4	16.0
Jan 06	4398.65	4398.66	1.130	1.131	12.4	12.5
Feb 06	3870.55	3870.55	1.101	1.101	9.5	9.5
Mar 06	4757.32	4742.92	1.266	1.262	26.0	25.6

2.1.1 Change in Fuel Mix

REL has used varying blending ratio of washed coal: imported coal and maximum variation is as high as 90.00%: 10.00% during August 05 and 71%: 29% during Oct 05 as against ratio of 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 the period April 2005 to March 2006.

2.1.2 Actual Fuel Price

The Commission has assessed actual fuel price based on the cost accountant certified statement of fuel cost and independent verification agency's certification regarding calorific value of the fuel.

2.1.3 Coal related expenses:

REL has considered Coal related expenses in the statement of Fuel inventory and consumption for arriving at total cost of fuel. The Commission had directed REL to submit the details of these expenses along with relevant proof of expenditure. REL has submitted explanation along with documentary evidence. The total Coal related expenses claimed by REL is for Rs.254.72 lacs for the period April 2005 to Sept 2005. The Commission has allowed expenses of Rs. 179.26 lacs after disallowing expenses for Rail Track Maintenance of Rs. 43.98 lacs and other expenses of Rs. 31.48 lacs. REL has also claimed for Rs. 301.42 lacs as Coal Related expenses in the month of March 2006 for which the Commission has allowed Rs. 287.22 lacs after disallowing Rs.14.20 lacs for Rail Track Maintenance expenses. The details are enclosed at Annexure IV.

2.1.4 Heat Rate:

While calculating the FAC, normative heat rate (2319kcal/kwh) as approved vide tariff order for FY 2004-05 has been considered for computing variable cost of generation though the actual heat rate is lower than the normative.

2.2 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 statement of the amount considered by REL vis-à-vis computed by the Commission is summarized in the following table:

Table: Disallowance of FAC corresponding to excess Auxiliary Consumption

Month	Disallowance of FAC corresponding to excess auxiliary consumption (Rs. lacs)	
	REL's Submission	Commission's Approval
Apr 05	0.840	0.922
May 05	1.690	1.739
Jun 05	3.840	3.521
Jul 05	2.270	2.423
Aug 05	3.320	3.222
Sept 05	4.380	4.584
Oct 05	2.070	2.157
Nov 05	0.430	0.488
Dec 05	0.270	0.218
Jan 06	0.349	0.416
Feb 06	0.063	0.077
Mar 06	-2.243	2.364

2.3 Change in variable cost of power purchase:

REL has submitted the data for the power purchase certified by cost accountant along with the power purchase bills from TPC. The following table shows the power purchase cost and FAC charged by TPC for the period April 2005 to March 2006:

Table: Variable Cost of Power Purchase

Month	Net purchase in MUs	Tariff (Rs./kwh)	FAC rate (Rs./kwh)	Power Purchase cost (Rs. Lacs)
Apr 05-22/33kV	280.048	1.8625	0.000	5215.90
Apr 05-220kV	61.608	1.7700	0.000	1090.46
May 05-22/33kV	286.101	1.8625	0.000	5328.63
May 05-220 kV	67.952	1.7700	0.000	1202.75
Jun 05-22/33kV	287.497	1.8625	0.000	5354.63
Jun 05-220 kV	84.164	1.7700	0.000	1489.92
Jul 05-22/33kV	254.605	1.8625	0.000	4742.01
Jul 05-220 kV	59.364	1.7700	0.000	1050.74
Aug 05-22/33kV	256.695	1.8625	0.210	5320.00
Aug 05-220 kV	81.316	1.7700	0.210	1610.06
Sep 05-22/33kV	287.572	1.8625	0.120	5701.11
Sep 05-220 kV	170.148	1.7700	0.120	3215.80
Oct 05-22/33kV	288.810	1.8625	0.210	5985.59
Oct 05-220 kV	86.456	1.7700	0.210	1711.83
Nov 05-22/33kV	226.157	1.8625	0.210	4687.11
Nov 05-220 kV	48.608	1.7700	0.210	962.44
Dec 05-22/33kV	205.959	1.8625	0.210	4268.49
Dec 05-220 kV	44.328	1.7700	0.210	877.69
Jan 06-22/33kV	197.761	1.8625	0.210	4098.61
Jan 06-220 kV	38.308	1.7700	0.210	758.50
Feb 06-22/33kV	222.170	1.8625	0.210	4604.47
Feb 06-220 kV	55.020	1.7700	0.210	1089.39
Mar 06-22/33kV	257.163	1.8625	0.210	2072.50
Mar 06-220 kV	75.844	1.7700	0.210	1980.00

The tariff paid by REL for purchase of power from TPC is as per the Commission's Tariff Order dated 1st July 2004 and hence Commission approves the above power purchase cost.

3. Working Capital Interest (I):

REL has not claimed any working capital interest and accordingly the same has not been considered for determining the Fuel Adjustment Cost for April 2005 to March 2006.

4. Adjustment for Over-Recovery/Under Recovery (B):

REL has not carry forwarded over recovered amount as of 31st March 2005 stating the amount shall be adjusted at the time of 'truing up' for FY 2004-05 as per the Hon'ble Commission's order dated 3rd August 2005. In short, REL started with nil over / under recovery as of 1st April 2005.

Thus, Commission has worked out the Over-recovery / Under recovery statement exclusively for April 2005 to March 2006 based on the audited data submitted by REL and summary of the same is produced as under:

Table: Over Recovery / Under Recovery Statement Rs. Lacs.

Particulars	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05
FAC recoverable (j-4)	0	0	960.259	1015.611	1874.906	1726.417
FAC recovered (j-2)	0	0	0	0	1638.56	1766.210
(Over) / Under recovery	0	0	960.259	1015.611	236.346	-39.793
FAC C/F due to Cap from (j-3)	0	0	0	176.753	297.682	568.121
Component (B)	0	0	960.259	1192.364	534.028	528.328

Particulars	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06
FAC recoverable (j-4)	0	0	1794.010	1027.490	1047.360	1259.753
FAC recovered (j-2)	0	0	1615.750	1547.93	1615.780	1735.310
(Over) / Under recovery	0	0	178.260	-520.44	-568.42	-475.557
FAC C/F due to Cap from (j-3)	0	0.916	0	1142.943	0	0
Component (B)	0	0.916	178.260	622.503	-568.42	-475.557

It may also be noted that Commission, while assessing the FAC for October 05 & November 05, Over recovery / under recovery figures were not taken and the same can be now worked out as under:

Rs. Lacs			
Particulars	Oct-05	Nov-05	Total
FAC recoverable (j-4)	1654.146	1768.056	
FAC recovered (j-2)	1795.140	1680.010	
(Over) / Under recovery	-140.994	88.046	
FAC C/F due to Cap from (j-3)	1016.631	Nil*	
Component (B)	875.637	88.046	963.683

* Rs. 0.916 lacs carried forward FAC for recovery during future period has already been included in the vetting of Nov 05 and hence not considered.

Thus, Rs. 963.683 lacs of FAC adjustment for previous months plus Rs. 179.26 lacs of Coal related expenses from April 05 to Sept 05 i.e. Rs.1142.943 lacs has been added in the computation of adjustment for over recovery / under recovery (B) for Jan 06, which was not accounted at the time of vetting of Oct 05 & Nov 05.

5. 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.

6. 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 on each month of FY 05-06. The FAC corresponding to excess T&D loss has been disallowed for that particular month. The details of excess T&D loss has been summarized below:

Table: Details of Excess T&D loss and amount disallowed

Month	T & D loss (%)	Excess T & D loss (MU)	FAC disallowed (Rs. lacs)
May 05	15.84%	13.877	23.461
Aug 05	15.78%	12.372	49.696
Oct 05	17.33%	24.925	74.564
Mar 06	14.83%	6.336	14.307

7. 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 working results are summarized in Summary of Results at Clause No. 9.

8. Recovery of FAC:

The Commission has allowed the recovery of FAC in full after deducting for any excess T&D loss, if the per unit FAC is within the cap i.e. 29.90 Paise / unit. If FAC per unit exceeds cap, then recovery is allowed to the extent of cap and balance after disallowing for excess T&D loss, would be allowed to be carry forwarded for recovery during future period. The details of recoverable FAC and FAC actually recovered by REL are summarized in table below.

Table: Month wise FAC recoverable and FAC recovered

Month	FAC recoverable (Rs. Lacs)	FAC recovered as submitted by REL (Rs. Lacs)	(Over) recovery / Under recovery (Rs Lacs)
Apr 05	960.259	0	960.259
May 05	1015.611	0	1015.611
Jun 05	1874.906	0	1874.906
Jul 05	1726.417	0	1726.417
Aug 05	1654.146	1638.56	15.586
Sep 05	1768.056	1766.210	1.846
Oct 05	1794.015	1795.140	-1.125
Nov 05	1027.489	1680.010	-652.521
Dec 05	1047.363	1615.750	-568.387
Jan 06	1259.753	1547.930	-288.177
Feb 06	324.189	1615.780	-1291.591
Mar 06	1308.178	1735.310	-427.132
Total	15760.382	13394.69	2365.692

9. Summary of Results:

The summary of the Total Fuel Cost and Power Purchase Cost Adjustment (FAC), FAC Charge per unit (FACkwh) and FAC to be recovered considering the cap on monthly FAC Charge for April 2005 to March 2006 is given in the Table below:

Sr No.	Parameters	Unit	Apr-05		May-05		Jun-05		Jul-05		Aug-05		Sep-05	
			REL	Comm	REL	Comm	REL	Comm	REL	Comm	REL	Comm	REL	Comm
1	Calculation of FAC													
1.1	Change in variable cost of generation & power purchase	Rs. Lacs	967.100	961.181	1042.910	1040.811	1187.730	1094.922	838.970	834.158	1852.950	1741.156	2264.100	2260.943
1.2	Disallowance of change in variable cost of generation corresponding to excess aux consumption	Rs. Lacs	0.840	0.922	1.690	1.739	3.840	3.521	2.270	2.423	3.320	3.222	4.380	4.584
1.3	Change in variable cost of generation & power purchase after accounting for disallowance i.e. Change in Cost- C	Rs. Lacs	966.260	960.259	1041.220	1039.072	1183.890	1091.401	836.700	831.735	1849.630	1737.935	2259.720	2256.358
1.4	Working Capital Interest (I)	Rs. Lacs	0	0	0	0	0	0	0	0	0	0	0	0
1.5	Adjustment for (Over recovery) / Under recovery (B)	Rs. Lacs	0.000	0.000	0.000	0.000	967.100	960.259	1316.460	1192.364	663.090	534.028	781.800	528.328
1.6	FAC = C + I + B	Rs. Lacs	966.260	960.259	1041.220	1039.072	2150.990	2051.660	2153.160	2024.099	2512.720	2271.963	3041.520	2784.686
2	Calculation of FACkwh													
2.1	Sale within License Area	MU	607.548	607.548	600.738	600.738	627.059	627.059	577.397	577.397	553.226	553.226	591.323	591.323
2.2	Excess T&D loss	MU	-	0	-	13.877	0.000	0.000	0.000	0.000	0.000	12.372	0.000	0.000
2.3	FAC Charge without considering cap on monthly FAC charge	Paise/ kwh	15.90	15.81	17.33	16.91	34.30	32.72	37.29	35.06	45.42	40.17	51.44	47.09
2.4	Cap on monthly FAC charge	Paise/ kwh	29.90	29.90	29.90	29.90	29.90	29.90	29.90	29.90	29.90	29.90	29.90	29.90
2.5	FAC Charge (FACkwh) considering cap on monthly FAC charge	Paise/ kwh	15.90	15.81	17.33	16.91	29.90	29.90	29.90	29.90	29.90	29.90	29.90	29.90
3	Recovery of FAC													
3.1	Recovery of FAC considering cap on monthly FAC charge	Rs. Lacs	-	960.259	-	1015.611	1874.906	1874.906	1726.420	1726.417	1654.150	1654.146	1768.060	1768.056
3.2	FAC disallowed corresponding to excess T&D loss	Rs. Lacs	-	0.000	-	23.461	-	0.000	-	0.000	36.990	49.696	-	0.000
3.3	Carried forward FAC for recovery during future period	Rs. Lacs	-	0.000	-	0.000	276.084	176.753	426.740	297.682	821.590	568.121	1273.460	1016.631

Sr No.	Parameters	Unit	Oct-05		Nov-05		Dec-05		Jan-06		Feb-06		Mar-06	
			REL	Comm	REL	Comm	REL	Comm	REL	Comm	REL	Comm	REL	Comm
1	Calculation of FAC													
1.1	Change in variable cost of generation & power purchase	Rs. Lacs	1871.770	1871.652	1027.060	1027.062	1115.410	869.322	637.660	637.666	892.690	892.686	1814.460	1800.405
1.2	Disallowance of change in variable cost of generation corresponding to excess aux consumption	Rs. Lacs	2.070	2.157	0.430	0.488	0.270	0.218	0.350	0.416	0.060	0.077	-2.240	2.364
1.3	Change in variable cost of generation & power purchase after accounting for disallowance i.e. Change in Cost- C	Rs. Lacs	1869.700	1869.495	1026.640	1026.573	1115.130	869.103	637.310	637.250	892.630	892.609	1816.710	1798.041
1.4	Working Capital Interest (I)	Rs. Lacs	0	0	0	0	0	0	0	0	0	0	0	0
1.5	Adjustment for (Ocer recovery) / Under recovery (B)	Rs. Lacs	1116.130	0.000	1205.340	0.916	728.890	178.260	388.570	622.503	-535.050	-568.420	-431.770	-475.557
1.6	FAC = C + I + B	Rs. Lacs	2985.830	1869.495	2231.970	1027.489	1844.020	1047.363	1025.880	1259.753	357.580	324.189	1384.940	1322.484
2	Calculation of FAC_{wh}													
2.1	Sale within License Area	MU	600.005	600.005	562.326	562.326	535.922	535.922	517.577	517.577	527.244	527.244	579.377	579.377
2.2	Excess T&D loss	MU	0	24.925	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	6.336
2.3	FAC Charge without considering cap on monthly FAC charge	Paise/ kwh	49.76	29.92	39.69	18.27	34.41	19.54	19.82	24.34	6.78	6.15	23.90	22.58
2.4	Cap on monthly FAC charge	Paise/ kwh	29.90	29.90	29.90	29.90	29.90	29.90	29.90	29.90	29.90	29.90	29.90	29.90
2.5	FAC Charge (FAC _{wh}) considering cap on monthly FAC charge	Paise/ kwh	29.90	29.90	29.90	18.27	29.90	19.54	19.82	24.34	6.78	6.15	23.90	22.58
3	Recovery of FAC													
3.1	Recovery of FAC consideting cap on monthly FAC charge	Rs. Lacs	1794.015	1794.015	1681.355	1027.489	1602.407	1047.363	1025.880	1259.753	357.580	324.189	-	1308.178
3.2	FAC disallowed corresponding to excess T&D loss	Rs. Lacs	74.530	74.564	0.000	0.000	0.000	0.000	-	0.000	-	0.000	-	14.307
3.3	Carried forward FAC for recovery during future period	Rs. Lacs	1117.285	0.916	550.620	0.000	241.610	0.000	-	0.000	-	0.000	0.100	0.000

Annexure I : Summary of Operations for April 2005 to March 2006

Particulars	Unit	As per Tariff order for 04-05 dated 1st July 2004	Actual April-05	Actual May-05	Actual June-05	Actual July-05	Actual Aug-06	Actual Sep-05
Generation	MU	4326	374.463	389.152	360.038	379.395	345.736	216.12
PLF	%age	98.77	104.02	104.61	100.01	101.99	92.94	60.03
Auxiliary Consumption	%age	7.34	7.46	7.55	7.83	7.65	7.76	8.33
Heat Rate	Kcal/kwh	2319	2280	2293	2303	2290	2272	2295
Secondary oil consumption	ml/kwh	0.20	0.16	0.00	0.44	0.18	0.10	0.69
T&D loss	%age	13.90	11.72	15.84	10.87	13.09	15.78	9.84
Product Mix:								
Raw Coal	%age	0	0	0	0	0	0	0
Washed Coal	%age	80	79.48	75.00	75.00	79.97	90.00	86.32
Imported Coal	%age	20	20.52	25.00	25.00	20.03	10.00	13.68
Landed Price of Coal								
Raw Coal	Rs./MT		0	0	0	0	0	0
Washed Coal	Rs./MT		2117.06	2119.69	2105.92	2083.60	2099.49	2097.94
Imported Coal	Rs./MT		2392.60	2401.02	2314.73	2522.13	3567.97	2658.12
Coal basket Price	Rs/Mkcal	433	521	527	517	522	528	520
Landed price of LDO	Rs./KL		21278.06	0.00	22193.55	0.00	23241.38	24272.00
Landed price of HFO	Rs./KL		0.00	0.00	17787.88	19104.48	20333.33	21541.67
Secondary Oil basket price	Rs/Mkcal	1566	2246	0.00	2216	1899	2334	2476
All Fuel Price	Rs./Mkcal	434	522	527	520	523	529	526
Power purchases from TPC								
at 22/33kV	MU	3067	280.048	286.101	287.497	254.605	256.695	287.572
at 220kV	MU	334	61.608	67.952	84.164	59.364	81.316	170.148
Total Power Purchases from TPC	MU	3401	341.656	354.053	371.661	313.969	338.011	457.720
Total Energy Sales	MU	6323	603.405	596.665	623.288	573.716	549.283	587.148
Estimated consumption of unmetered	MU	57	4.143	4.073	3.771	3.681	3.943	4.175
Total Energy Sales	MU	6380	607.548	600.738	627.059	577.397	553.226	591.323

Particulars	Unit	As per Tariff order for 04-05 dated 1st July 2004	Actual Oct 05	Actual Nov 05	Actual Dec 05	Actual Jan 06	Actual Feb 06	Actual Mar 06
Generation	MW	4326	379.480	375.274	387.09	389.09	351.46	375.77
PLF	%age	98.77	102.01	104.24	104.06	104.59	104.60	101.01
Auxiliary Consumption	%age	7.34	7.62	7.43	7.38	7.43	7.36	7.59
Heat Rate	Kcal/kwh	2319	2303	2280	2276	2278	2283	2288
Secondary oil consumption	ml/kwh	0.20	0.06	0.13	0.03	0.03	0.18	0.43
T&D loss	%age	13.90	17.33	9.62	11.97	13.20	12.53	14.83
Product Mix:								
Raw Coal	%age	0	0	0	0	0	0	0
Washed Coal	%age	80	76.81	70.83	74.68	74.74	75.31	76.61
Imported Coal	%age	20	23.19	29.17	25.32	25.26	24.69	23.39
Landed Price of Coal								
Raw Coal	Rs./MT		0	0	0	0	0	0
Washed Coal	Rs./MT		2077.47	2095.48	2106.80	2130.97	2147.96	2167.65
Imported Coal	Rs./MT		2345.94	2326.53	2401.53	2062.66	2129.50	2082.65
Coal basket Price	Rs/Mkcal	433	520	498	530	487	473	540
Landed price of LDO	Rs./KL		25863.64	25516.13	25416.67	23817.43	26595.74	26593.82
Landed price of HFO	Rs./KL		0	21812.50	0	0	22000.00	23568.18
Secondary Oil basket price	Rs/Mkcal	1566	2647	2468	2652	2633	2605	2666
All Fuel Price	Rs./Mkcal	434	521	499	530	487	475	544
Power purchases from TPC								
at 22/33kV	MU	3067	288.81	226.157	205.959	197.761	222.170	257.163
at 220kV	MU	334	86.456	48.608	44.328	38.312	55.020	75.844
Total Power Purchases from TPC	MU	3401	375.266	274.765	250.287	236.073	277.190	333.007
Total Energy Sales	MU	6323	596.166	557.891	531.066	512.735	523.045	574.945
Estimated consumption of unmetered	MU	57	3.839	4.435	4.856	4.842	4.199	4.432
Total Energy Sales	MU	6380	600.005	562.326	535.922	517.577	527.244	579.377

Annexure –II MONTH: APRIL 2005

A) Cost of Coal basket and Secondary Oil basket

Coal Basket				
Particulars	Unit	Washed Coal	Imported Coal	Total
Consumption	MT	162383	41929	204312
Blending Ratio	%	79.48	20.52	100
Consumption of coal	Mkcal	649842	203354	853196
Calorific Value	kcal/kg	4002	4850	4176
Landed Price of Coal	Rs/MT	2117.06	2392.60	2173.60
Total consumption of coal	Rs. Lacs	3437.75	1003.18	4440.93
Landed Price of Coal	Rs/Mkcal	529	493	521

Secondary Oil Basket				
Particular	Unit	LDO	HFO	Total
Total Oil consumption	KL	61	0	61
Total Oil consumption	Mkcal	578	0	578
Calorific Value of Oil	kcal/ltrs	9475	0.00	9475
Specific Consumption of Oil	ml/kwh	0.16	0.00	0.16
Landed Price of Secondary Oil	Rs/KL	21278.06	0.00	21278.06
Total consumption of Sec Oil	Rs lacs	12.98	0.00	12.98
Landed Price of Secondary Oil	Rs/Mkcal	2246	0.00	2246

Total fuel Cost				
Total consumption of fuel	Mkcal			853774
Total cost of fuel	Rs lacs			4453.91
Landed Price of fuel	Rs/Mkcal			522

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		April-05	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4176	521
Secondary Oil basket (kcal/L)	10619	1566	9475	2246
All fuels		434		522

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Apr 2005	Considered for FAC (Apr 05)	Order (FY 2004-05)	Actual REL Apr 2005
DTPS (kcal/kwh)	2319	2280	2319	7.34%	7.46%

D) Variable Cost of Generation & Power Purchase for April 2005:

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	4326	43539.00	1.210	374.463	4530.10
Power Purchase from TPC (B)	1.853	3401	63038.00	1.846	341.656	6306.36
Variable cost of gen & power purchase (A+B)	1.379	7727	106577.00	1.513	716.119	10836.46

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs. 0.204/kwh

b) Change in VCgen & VCpp is Rs. 0.134/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for April 2005:

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.452	0.204	0.922

F) Change in Variable Cost of Generation and Power Purchase for April 2005:

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.379
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.513
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.134
Gross generation and power purchase	MU	716.119
Change in variable cost of generation and power purchase	Rs Lacs	961.181
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.922
Net change in variable cost of generation and power purchase	Rs Lacs	960.259

Annexure II MONTH: MAY 2005**A) Cost of Coal basket and Secondary Oil basket**

Coal Basket				
Particulars	Unit	Washed Coal	Imported Coal	Total
Consumption	MT	161125	53708	214833
Blending Ratio	%	75.00	25.00	100
Consumption of coal	Mkcal	631841	260485	892326
Calorific Value	kcal/kg	3921	4850	4154
Landed Price of Coal	Rs/MT	2119.69	2401.02	2190.02
Total consumption of coal	Rs. Lacs	3415.35	1289.54	4704.89
Landed Price of Coal	Rs/Mkcal	541	495	527

Secondary Oil Basket				
Particular	Unit	LDO	HFO	Total
Total Oil consumption	KL	0	0	0
Total Oil consumption	Mkcal	0	0	0
Calorific Value of Oil	kcal/ltrs	0.00	0.00	0.00
Specific Consumption of Oil	ml/kwh	0.00	0.00	0.00
Landed Price of Secondary Oil	Rs/KL	0.00	0.00	0.00
Total consumption of Sec Oil	Rs lacs	0.00	0.00	0.00
Landed Price of Secondary Oil	Rs/Mkcal	0.00	0.00	0.00

Total fuel Cost				
Total consumption of fuel	Mkcal			892326
Total cost of fuel	Rs lacs			4704.89
Landed Price of fuel	Rs/Mkcal			527

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		May-05	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4154	527
Secondary Oil basket (kcal/L)	10619	1566	0.00	0.00
All fuels		434		527

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL May 2005	Considered for FAC (May 05)	Order (FY 2004-05)	Actual REL May 2005
DTPS (kcal/kwh)	2319	2293	2319	7.34%	7.55%

D) Variable Cost of Generation & Power Purchase for May 2005 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	4326	43539.00	1.223	389.152	4758.23
Power Purchase from TPC (B)	1.853	3401	63038.00	1.845	354.053	6531.38
Variable cost of gen & power purchase (A+B)	1.379	7727	106577.00	1.519	743.205	11289.61

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs.0.217/kwh

b) Change in VC_{gen} & VC_{pp} is Rs.0.140/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for May 2005 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.802	0.217	1.739

F) Change in Variable Cost of Generation and Power Purchase for May 2005 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.379
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.519
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.140
Gross generation and power purchase	MU	743.205
Change in variable cost of generation and power purchase	Rs Lacs	1040.811
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	1.739
Net change in variable cost of generation and power purchase	Rs Lacs	1039.072

Annexure –II MONTH: JUNE 2005

A) Cost of Coal basket and Secondary Oil basket

Coal Basket				
Particulars	Unit	Washed Coal	Imported Coal	Total
Consumption	MT	148642	49547	198189
Blending Ratio	%	75.00	25.00	100
Consumption of coal	Mkcal	587356	240304	827660
Calorific Value	kcal/kg	3951	4850	4176
Landed Price of Coal	Rs/MT	2105.92	2314.73	2158.12
Total consumption of coal	Rs. Lacs	3130.28	1146.88	4277.16
Landed Price of Coal	Rs/Mkcal	533	477	517

Secondary Oil Basket				
Particular	Unit	LDO	HFO	Total
Total Oil consumption	KL	124	33	157
Total Oil consumption	Mkcal	1177	330	1507
Calorific Value of Oil	kcal/ltrs	9492	10000	9599
Specific Consumption of Oil	ml/kwh	0.34	0.09	0.44
Landed Price of Secondary Oil	Rs/KL	22193.55	17787.88	21267.52
Total consumption of Sec Oil	Rs lacs	27.52	5.87	33.39
Landed Price of Secondary Oil	Rs/Mkcal	2338	1779	2216

Total fuel Cost				
Total consumption of fuel	Mkcal			829167
Total cost of fuel	Rs lacs			4310.55
Landed Price of fuel	Rs/Mkcal			520

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		June-05	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4176	517
Secondary Oil basket (kcal/L)	10619	1566	9599	2216
All fuels		434		520

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL June 2005	Considered for FAC (June 05)	Order (FY 2004-05)	Actual REL June 2005
DTPS (kcal/kwh)	2319	2303	2319	7.34%	7.83%

D) Variable Cost of Generation & Power Purchase for June 2005 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	4326	43539.00	1.206	360.038	4340.50
Power Purchase from TPC (B)	1.853	3401	63038.00	1.842	371.661	6844.55
Variable cost of gen & power purchase (A+B)	1.379	7727	106577.00	1.529	731.699	11185.05

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs. 0.200/kwh

b) Change in VC_{gen} & VC_{pp} is Rs.0.150/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for June 2005 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	1.764	0.200	3.521

F) Change in Variable Cost of Generation and Power Purchase for June 2005 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.379
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.529
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.150
Gross generation and power purchase	MU	731.699
Change in variable cost of generation and power purchase	Rs Lacs	1094.922
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	3.521
Net change in variable cost of generation and power purchase	Rs Lacs	1091.401

Annexure –II MONTH: JULY 2005

A) Cost of Coal basket and Secondary Oil basket

Coal Basket				
Particulars	Unit	Washed Coal	Imported Coal	Total
Consumption	MT	166929	41806	208735
Blending Ratio	%	79.97	20.03	100
Consumption of coal	Mkcal	656040	212100	868140
Calorific Value	kcal/kg	3930	5073	4159
Landed Price of Coal	Rs/MT	2083.60	2522.13	2171.43
Total consumption of coal	Rs. Lacs	3478.13	1054.40	4532.53
Landed Price of Coal	Rs/Mkcal	530	497	522

Secondary Oil Basket				
Particular	Unit	LDO	HFO	Total
Total Oil consumption	KL	0	67	67
Total Oil consumption	Mkcal	0	674	674
Calorific Value of Oil	kcal/ltrs	0	10060	10060
Specific Consumption of Oil	ml/kwh	0.00	0.18	0.18
Landed Price of Secondary Oil	Rs/KL	0	19104.48	19104.48
Total consumption of Sec Oil	Rs lacs	0.00	12.80	12.80
Landed Price of Secondary Oil	Rs/Mkcal	0	1899	1899

Total fuel Cost				
Total consumption of fuel	Mkcal			868814
Total cost of fuel	Rs lacs			4545.33
Landed Price of fuel	Rs/Mkcal			523

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		July-05	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4159	522
Secondary Oil basket (kcal/L)	10619	1566	10060	1899
All fuels		434		523

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL July 2005	Considered for FAC (July 05)	Order (FY 2004-05)	Actual REL July 2005
DTPS (kcal/kwh)	2319	2290	2319	7.34%	7.65%

D) Variable Cost of Generation & Power Purchase for July 2005 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	4326	43539.00	1.213	379.395	4602.89
Power Purchase from TPC (B)	1.853	3401	63038.00	1.845	313.969	5792.76
Variable cost of gen & power purchase (A+B)	1.379	7727	106577.00	1.499	693.364	10395.65

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs.0.207/kwh

b) Change in VC_{gen} & VC_{pp} is Rs.0.120/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for July 2005:

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	1.169	0.207	2.423

F) Change in Variable Cost of Generation and Power Purchase for July 2005 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.379
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.499
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.120
Gross generation and power purchase	MU	693.364
Change in variable cost of generation and power purchase	Rs Lacs	834.158
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	2.423
Net change in variable cost of generation and power purchase	Rs Lacs	831.735

Annexure –II MONTH: AUGUST 2005

A) Cost of Coal basket and Secondary Oil basket

Coal Basket				
Particulars	Unit	Washed Coal	Imported Coal	Total
Consumption	MT	166114	18457	184571
Blending Ratio	%	90.00	10.00	100
Consumption of coal	Mkcal	670738	114434	785172
Calorific Value	kcal/kg	4038	6200	4254
Landed Price of Coal	Rs/MT	2099.49	3567.97	2246.33
Total consumption of coal	Rs. Lacs	3487.54	658.54	4146.08
Landed Price of Coal	Rs/Mkcal	520	575	528

Secondary Oil Basket				
Particular	Unit	LDO	HFO	Total
Total Oil consumption	KL	29	6	35
Total Oil consumption	Mkcal	277	64	341
Calorific Value of Oil	kcal/ltrs	9552	10667	9743
Specific Consumption of Oil	ml/kwh	0.08	0.02	0.10
Landed Price of Secondary Oil	Rs/KL	23241.38	20333.33	22742.86
Total consumption of Sec Oil	Rs lacs	6.74	1.22	7.96
Landed Price of Secondary Oil	Rs/Mkcal	2433	1906	2334

Total fuel Cost				
Total consumption of fuel	Mkcal			785513
Total cost of fuel	Rs lacs			4154.04
Landed Price of fuel	Rs/Mkcal			529

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		August-05	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4254	528
Secondary Oil basket (kcal/L)	10619	1566	9743	2334
All fuels		434		529

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Aug 2005	Considered for FAC (Aug 05)	Order (FY 2004-05)	Actual REL Aug 2005
DTPS (kcal/kwh)	2319	2272	2319	7.34%	7.76%

D) Variable Cost of Generation & Power Purchase for August 2005:

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	4326	43539.00	1.226	345.736	4239.97
Power Purchase from TPC (B)	1.853	3401	63038.00	2.050	338.011	6930.06
Variable cost of gen & power purchase (A+B)	1.379	7727	106577.00	1.634	683.747	11170.02

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs.0.220/kwh

b) Change in VCgen & VC_{pp} is Rs. 0.255/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for August 2005 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	1.462	0.220	3.222

F) Change in Variable Cost of Generation and Power Purchase for August 2005 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.379
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.634
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.255
Gross generation and power purchase	MU	683.747
Change in variable cost of generation and power purchase	Rs Lacs	1741.156
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	3.222
Net change in variable cost of generation and power purchase	Rs Lacs	1737.935

Annexure –II MONTH: SEPTEMBER 2005

A) Cost of Coal basket and Secondary Oil basket

Coal Basket				
Particulars	Unit	Washed Coal	Imported Coal	Total
Consumption	MT	102162	16184	118346
Blending Ratio	%	86.32	13.68	100
Consumption of coal	Mkcal	402781	91777	494558
Calorific Value	kcal/kg	3943	5671	4179
Landed Price of Coal	Rs/MT	2097.94	2658.12	2174.54
Total consumption of coal	Rs. Lacs	2143.29	430.19	2573.48
Landed Price of Coal	Rs/Mkcal	532	469	520

Secondary Oil Basket				
Particular	Unit	LDO	HFO	Total
Total Oil consumption	KL	125	24	149
Total Oil consumption	Mkcal	1197	237	1434
Calorific Value of Oil	kcal/ltrs	9576	9875	9624
Specific Consumption of Oil	ml/kwh	0.58	0.11	0.69
Landed Price of Secondary Oil	Rs/KL	24272.00	21541.67	23832.21
Total consumption of Sec Oil	Rs lacs	30.34	5.17	35.51
Landed Price of Secondary Oil	Rs/Mkcal	2535	2181	2476

Total fuel Cost				
Total consumption of fuel	Mkcal			495992
Total cost of fuel	Rs lacs			2608.99
Landed Price of fuel	Rs/Mkcal			526

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		September-05	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4179	520
Secondary Oil basket (kcal/L)	10619	1566	9624	2476
All fuels		434		526

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Sept 2005	Considered for FAC (Sept 05)	Order (FY 2004-05)	Actual REL Sept 2005
DTPS (kcal/kwh)	2319	2295	2319	7.34%	8.33%

D) Variable Cost of Generation & Power Purchase for September 2005 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTGS (A)	1.006	4326	43539.00	1.220	216.120	2636.30
Power Purchase from TPC (B)	1.853	3401	63038.00	1.948	457.72	8916.90
Variable cost of gen & power purchase (A+B)	1.379	7727	106577.00	1.715	673.840	11553.20

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs.0.214/kwh

b) Change in VCgen & VC_{pp} is Rs.0.336/kwh

D) Disallowance of FAC corresponding to excess Auxiliary Consumption for September 2005 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTGS	2.144	0.214	4.584

F) Change in Variable Cost of Generation and Power Purchase for September 2005 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.379
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.715
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.336
Gross generation and power purchase	MU	673.840
Change in variable cost of generation and power purchase	Rs Lacs	2260.943
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	4.584
Net change in variable cost of generation and power purchase	Rs Lacs	2256.358

Annexure-II MONTH: OCTOBER 2005

A) Cost of Coal basket and Secondary Oil basket

Coal Basket				
Particulars	Unit	Washed Coal	Imported Coal	Total
Consumption	MT	161054	48612	209666
Blending Ratio	%	76.81	23.19	100
Consumption of coal	Mkcal	630134	243592	873726
Calorific Value	kcal/kg	3913	5011	4167
Landed Price of Coal	Rs/MT	2077.47	2345.94	2167.67
Total consumption of coal	Rs. Lacs	3404.46	1140.41	4544.87
Landed Price of Coal	Rs/Mkcal	540	468	520

Secondary Oil Basket				
Particular	Unit	LDO	HFO	Total
Total Oil consumption	KL	22	0	22
Total Oil consumption	Mkcal	215	0	215
Calorific Value of Oil	kcal/ltrs	9773	0	9773
Specific Consumption of Oil	ml/kwh	0.06	0	0.06
Landed Price of Secondary Oil	Rs/KL	25863.64	0	25863.64
Total consumption of Sec Oil	Rs lacs	5.69	0	5.69
Landed Price of Secondary Oil	Rs/Mkcal	2647	0	2647

Total fuel Cost				
Total consumption of fuel	Mkcal			873941
Total cost of fuel	Rs lacs			4550.56
Landed Price of fuel	Rs/Mkcal			521

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		Oct-05	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4167	520
Secondary Oil basket (kcal/L)	10619	1566	9773	2647
All fuels		434		521

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Oct 2005	Considered for FAC (Oct 05)	Order (FY 2004-05)	Actual REL Oct 2005
DTPS (kcal/kwh)	2319	2303	2319	7.34%	7.62%

D) Variable Cost of Generation & Power Purchase for October 2005

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	4326	43539.00	1.207	379.480	4582.18
Power Purchase from TPC (B)	1.853	3401	63038.00	2.051	375.266	7697.42
Variable cost of gen & power purchase (A+B)	1.379	7727	106577.00	1.627	754.746	12279.60

a) Change in Vcgen disallowable is Rs. 0.201/kwh (Rs.1.207-Rs.1.006)

b) Change in VCgen & VCpp is Rs. 0.248/kwh (Rs.1.627-Rs.1.379)

E) Disallowance of FAC corresponding to excess Auxiliary consumption for October 2005:

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	1.073	0.201	2.157

F) Change in Variable Cost of Generation and Power Purchase for October 2005:

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order for Oct 2005	Rs./kwh	1.379
Variable cost of gen & power purchase as assessed for computation of FAC for Oct 2005	Rs./kwh	1.627
Change in variable cost of generation and power purchase (on per unit basis) for Oct 2005	Rs./kwh	0.248
Gross generation and power purchase for Oct 2005	MU	754.746
Change in variable cost of generation and power purchase for Oct 2005	Rs Lacs	1871.65
Disallowance of FAC corresponding to excess auxiliary consumption for Oct 2005	Rs Lacs	2.157
Net change in variable cost of generation and power purchase for Oct 2005	Rs Lacs	1869.49

Annexure-II MONTH: NOVEMBER 2005

A) Cost of Coal basket and Secondary Oil basket

Coal Basket				
Particulars	Unit	Washed Coal	Imported Coal	Total
Consumption	MT	139432	57409	196841
Blending Ratio	%	70.83	29.17	100
Consumption of coal	Mkcal	558733	296430	855163
Calorific Value	kcal/kg	4007	5163	4345
Landed Price of Coal	Rs/MT	2095.49	2326.53	2163.44
Total consumption of coal	Rs. Lacs	2922.89	1335.64	4258.53
Landed Price of Coal	Rs/Mkcal	523	451	498

Secondary Oil Basket				
Particular	Unit	LDO	HFO	Total
Total Oil consumption	KL	31	16	47
Total Oil consumption	Mkcal	299	163	462
Calorific Value of Oil	kcal/ltrs	9645	10188	9830
Specific Consumption of Oil	ml/kwh	0.08	0.04	0.13
Landed Price of Secondary Oil	Rs/KL	25516.13	21812.50	24255.32
Total consumption of Sec Oil	Rs lacs	7.91	3.49	11.40
Landed Price of Secondary Oil	Rs/Mkcal	2645	2141	2468

Total fuel Cost				
Total consumption of fuel	Mkcal			855625
Total cost of fuel	Rs lacs			4269.93
Landed Price of fuel	Rs/Mkcal			499

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		Nov-05	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4345	498
Secondary Oil basket (kcal/L)	10619	1566	9830	2468
All fuels		434		499

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Nov 2005	Considered for FAC (Nov 05)	Order (FY 2004-05)	Actual REL Nov 2005
DTPS (kcal/kwh)	2319	2280	2319	7.34%	7.43%

E) Variable Cost of Generation & Power Purchase for November 2005

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	4326	43539.00	1.157	375.274	4342.97
Power Purchase from TPC (B)	1.853	3401	63038.00	2.056	274.765	5649.55
Variable cost of gen & power purchase (A+B)	1.379	7727	106577.00	1.537	650.039	9992.52

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs. 0.151/kwh

b) Change in VCgen & VCpp is Rs. 0.158/kwh

F) Disallowance of FAC corresponding to excess Auxiliary consumption for November 2005:

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.323	0.151	0.488

G) Change in Variable Cost of Generation and Power Purchase for November 2005:

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order for Nov 2005	Rs./kwh	1.379
Variable cost of gen & power purchase as assessed for computation of FAC for Nov 2005	Rs./kwh	1.537
Change in variable cost of generation and power purchase (on per unit basis) for Nov 2005	Rs./kwh	0.158
Gross generation and power purchase for Nov 2005	MU	650.039
Change in variable cost of generation and power purchase for Nov 2005	Rs Lacs	1027.06
Disallowance of FAC corresponding to excess auxiliary consumption for Nov 2005	Rs Lacs	0.488
Net change in variable cost of generation and power purchase for Nov 2005	Rs Lacs	1026.57

Annexure-II MONTH: DECEMBER 2005

A) Cost of Coal basket and Secondary Oil basket

Coal Basket				
Particulars	Unit	Washed Coal	Imported Coal	Total
Consumption	MT	151513	51373	202886
Blending Ratio	%	74.68	25.32	100
Consumption of coal	Mkcal	613759	267140	880899
Calorific Value	kcal/kg	4051	5200	4342
Landed Price of Coal	Rs/MT	2106.80	2401.53	2181.43
Total consumption of coal	Rs. Lacs	3192.08	1233.74	4425.82
Landed Price of Coal	Rs/Mkcal	520	462	502

Secondary Oil Basket				
Particular	Unit	LDO	HFO	Total
Total Oil consumption	KL	12	0	12
Total Oil consumption	Mkcal	115	0	115
Calorific Value of Oil	kcal/ltrs	9583	0	9583
Specific Consumption of Oil	ml/kwh	0.03	0.00	0.03
Landed Price of Secondary Oil	Rs/KL	25416.67	0	25416.67
Total consumption of Sec Oil	Rs lacs	3.05	0.00	3.05
Landed Price of Secondary Oil	Rs/Mkcal	2652	0	2652

Total fuel Cost				
Total consumption of fuel	Mkcal			881014
Total cost of fuel	Rs lacs			4428.87
Landed Price of fuel	Rs/Mkcal			503

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		Dec-05	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4342	502
Secondary Oil basket (kcal/L)	10619	1566	9583	2652
All fuels		434		503

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Dec 2005	Considered for FAC (Dec 05)	Order (FY 2004-05)	Actual REL Dec 2005
DTPS (kcal/kwh)	2319	2276	2319	7.34%	7.38%

D) Variable Cost of Generation & Power Purchase for December 2005

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	4326	43539.00	1.166	387.089	4512.55
Power Purchase from TPC (B)	1.853	3401	63038.00	2.056	250.287	5146.19
Variable cost of gen & power purchase (A+B)	1.379	7727	106577.00	1.515	637.376	9658.74

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs. 0.160/kwh

b) Change in VCgen & VCpp is Rs. 0.136/kwh

E) Disallowance of FAC corresponding to excess Auxiliary consumption for December 2005:

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.137	0.160	0.218

G) Change in Variable Cost of Generation and Power Purchase for December 2005:

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order for Dec 2005	Rs./kwh	1.379
Variable cost of gen & power purchase as assessed for computation of FAC for Dec 2005	Rs./kwh	1.515
Change in variable cost of generation and power purchase (on per unit basis) for Dec 2005	Rs./kwh	0.136
Gross generation and power purchase for Dec 2005	MU	637.376
Change in variable cost of generation and power purchase for Dec 2005	Rs Lacs	869.32
Disallowance of FAC corresponding to excess auxiliary consumption for Dec 2005	Rs Lacs	0.218
Net change in variable cost of generation and power purchase for Dec 2005	Rs Lacs	869.10

Annexure –II MONTH: JANUARY 2006

A) Cost of Coal basket and Secondary Oil basket

Coal Basket				
Particulars	Unit	Washed Coal	Imported Coal	Total
Consumption	MT	153711	51945	205656
Blending Ratio	%	74.74	25.26	100
Consumption of coal	Mkcal	613772	272463	886235
Calorific Value	kcal/kg	3993	5245	4309
Landed Price of Coal	Rs/MT	2131	2063	2114
Total consumption of coal	Rs. Lacs	3246.57	1071.45	4318.02
Landed Price of Coal	Rs/Mkcal	529	393	487

Secondary Oil Basket				
Particular	Unit	LDO	HFO	Total
Total Oil consumption	KL	12	0	12
Total Oil consumption	Mkcal	109	0	109
Calorific Value of Oil	kcal/ltrs	9083	0	9083
Specific Consumption of Oil	ml/kwh	0.03	0.00	0.03
Landed Price of Secondary Oil	Rs/KL	23817.43	0	23916.42
Total consumption of Sec Oil	Rs lacs	2.87	0.00	2.87
Landed Price of Secondary Oil	Rs/Mkcal	2633	0	2633

Total fuel Cost				
Total consumption of fuel	Mkcal			886344
Total cost of fuel	Rs lacs			4320.89
Landed Price of fuel	Rs/Mkcal			487

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		January-06	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4309	487
Secondary Oil basket (kcal/L)	10619	1566	9083	2633
All fuels		434		487

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Jan 2006	Considered for FAC (Jan 06)	Order (FY 2004-05)	Actual REL Jan 2006
DTPS (kcal/kwh)	2319	2278	2319	7.34%	7.43%

D) Variable Cost of Generation & Power Purchase for January 2006 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	4326	43539.00	1.131	389.089	4398.66
Power Purchase from TPC (B)	1.853	3401	63038.00	2.057	236.073	4857.18
Variable cost of gen & power purchase (A+B)	1.379	7727	106577.00	1.481	625.162	9255.85

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs.0.125/kwh

b) Change in VCgen & VCpp is Rs.0.102/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for January 2006:

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.334	0.125	0.416

F) Change in Variable Cost of Generation and Power Purchase for January 2006:

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.379
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.481
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.102
Gross generation and power purchase	MU	625.162
Change in variable cost of generation and power purchase	Rs Lacs	637.666
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.416
Net change in variable cost of generation and power purchase	Rs Lacs	637.250

Annexure –II MONTH: FEBRUARY 2006

A) Cost of Coal basket and Secondary Oil basket

Coal Basket				
Particulars	Unit	Washed Coal	Imported Coal	Total
Consumption	MT	137187	44988	182175
Blending Ratio	%	75.31	24.69	100
Consumption of coal	Mkcal	565057	236715	801772
Calorific Value	kcal/kg	4119	5262	4401
Landed Price of Coal	Rs/MT	2148	2130	2143
Total consumption of coal	Rs. Lacs	2825.88	968.56	3794.44
Landed Price of Coal	Rs/Mkcal	500	409	473

Secondary Oil Basket				
Particular	Unit	LDO	HFO	Total
Total Oil consumption	KL	47	16	63
Total Oil consumption	Mkcal	450	165	615
Calorific Value of Oil	kcal/ltrs	9574	10313	9762
Specific Consumption of Oil	ml/kwh	0.13	0.05	0.18
Landed Price of Secondary Oil	Rs/KL	26595.74	22000.00	25428.57
Total consumption of Sec Oil	Rs lacs	12.50	3.52	16.02
Landed Price of Secondary Oil	Rs/Mkcal	2778	2133	2605

Total fuel Cost				
Total consumption of fuel	Mkcal			802387
Total cost of fuel	Rs lacs			3810.46
Landed Price of fuel	Rs/Mkcal			475

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		February-06	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4401	473
Secondary Oil basket (kcal/L)	10619	1566	9762	2605
All fuels		434		475

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Feb 2006	Considered for FAC (Feb 06)	Order (FY 2004-05)	Actual REL Feb 2006
DTPS (kcal/kwh)	2319	2283	2319	7.34%	7.36%

D) Variable Cost of Generation & Power Purchase for February 2006 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	4326	43539.00	1.101	351.462	3870.55
Power Purchase from TPC (B)	1.853	3401	63038.00	2.054	277.19	5693.87
Variable cost of gen & power purchase (A+B)	1.379	7727	106577.00	1.521	628.652	9564.41

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs.0.095/kwh

b) Change in VCgen & VCpp is Rs.0.142/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for February 2006 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.081	0.095	0.077

G) Change in Variable Cost of Generation and Power Purchase for February 2006:

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.379
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.521
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.142
Gross generation and power purchase	MU	628.652
Change in variable cost of generation and power purchase	Rs Lacs	892.686
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	0.077
Net change in variable cost of generation and power purchase	Rs Lacs	892.609

Annexure –II MONTH: MARCH 2006

A) Cost of Coal basket and Secondary Oil basket

Coal Basket				
Particulars	Unit	Washed Coal	Imported Coal	Total
Consumption	MT	155207	47379	202586
Blending Ratio	%	76.61	23.39	100
Consumption of coal	Mkcal	605546	252665	858211
Calorific Value	kcal/kg	3902	5333	4236
Landed Price of Coal	Rs/MT	2168	2083	2148
Total consumption of coal	Rs. Lacs	3643.74	994.56	4638.30
Landed Price of Coal	Rs/Mkcal	602	394	540

Secondary Oil Basket				
Particular	Unit	LDO	HFO	Total
Total Oil consumption	KL	116	44	160
Total Oil consumption	Mkcal	1105	441	1546
Calorific Value of Oil	kcal/ltrs	9526	10023	9663
Specific Consumption of Oil	ml/kwh	0.31	0.12	0.43
Landed Price of Secondary Oil	Rs/KL	26593.82	23568.18	25761.77
Total consumption of Sec Oil	Rs lacs	30.85	10.37	41.22
Landed Price of Secondary Oil	Rs/Mkcal	2792	2351	2666

Total fuel Cost				
Total consumption of fuel	Mkcal			859757
Total cost of fuel	Rs lacs			4679.52
Landed Price of fuel	Rs/Mkcal			544

B) Fuel Calorific Value & Price

Fuel	Tariff Order (FY 2004-05)		March-06	
	Calorific Value	Price	Calorific Value	Price
		Rs/Mkcal		Rs/Mkcal
Coal basket (kcal/ kg)	4500	433	4236	540
Secondary Oil basket (kcal/L)	10619	1566	9663	2666
All fuels		434		544

C) Heat Rate and Auxiliary Consumption:

	Heat Rate			Auxiliary Consumption	
	Order (FY 2004-05)	Actual REL Mar 2006	Considered for FAC (Mar 06)	Order (FY 2004-05)	Actual REL Mar 2006
DTPS (kcal/kwh)	2319	2288	2319	7.34%	7.59%

D) Variable Cost of Generation & Power Purchase for March 2006 :

Source	Tariff Order (FY 2004-05)			Assessment for FAC		
	Var Cost	Generation	VC	Var Cost	Generation	VC
	Rs/kwh	MU	Rs lacs	Rs/kwh	MU	Rs lacs
Gross Generation from DTPS (A)	1.006	4326	43539.00	1.262	375.768	4742.92
Power Purchase from TPC (B)	1.853	3401	63038.00	2.051	333.007	6831.49
Variable cost of gen & power purchase (A+B)	1.379	7727	106577.00	1.633	708.775	11574.41

a) Change in Vcgen disallowable due to excess aux. Consumption is Rs.0.256/kwh

b) Change in VCgen & VCpp is Rs.0.254/kwh

E) Disallowance of FAC corresponding to excess Auxiliary Consumption for March 2006 :

Station	Excess Aux Consumption	Rate of Change in VC for disallowance	Disallowance of change in VC
	MU	Rs/kwh	Rs lacs
DTPS	0.923	0.256	2.364

F) Change in Variable Cost of Generation and Power Purchase for March 2006 :

Parameter	Unit	Value
Variable cost of gen & power purchase considered in Tariff Order	Rs./kwh	1.379
Variable cost of gen & power purchase as assessed for computation of FAC	Rs./kwh	1.633
Change in variable cost of generation and power purchase (on per unit basis)	Rs./kwh	0.254
Gross generation and power purchase	MU	708.775
Change in variable cost of generation and power purchase	Rs Lacs	1800.405
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Lacs	2.364
Net change in variable cost of generation and power purchase	Rs Lacs	1798.041

Annexure III

Variable cost of generation and power purchase considered in the Tariff Order for FY 2004-05

Table 1 : Month-wise Gross Generation, Power Purchase and variable cost of generation and power purchase for FY 2004-05

Source	Unit	Apr-04	May-04	June-04	July-04	Aug-04	Sept-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	2004-05
<u>Energy Input</u>														
Gross Generation from DTPS	MU	367.9	377.3	365.3	376.9	378.5	363.2	370.1	319.1	314.3	357.5	355.1	380.8	4326.0
Power Purchase from TPC at 22/33 kV	MU	302.6	296.8	252.6	235.6	239.2	246.7	283.8	283.1	243.2	174.4	198.2	311.1	3067.3
Power Purchase from TPC at 220 kV	MU	32.9	32.3	27.5	25.6	26.0	26.9	30.9	30.8	26.5	19.0	21.6	33.9	333.8
Total Energy Input		703.4	706.3	645.4	638.2	643.7	636.8	684.8	633.1	584.0	550.9	574.8	725.7	7727.1
<u>Variable Cost of</u>														
Generation	Rs. Crore	37.0	38.0	36.8	37.9	38.1	36.6	37.3	32.1	31.6	36.0	35.7	38.3	435.4
Power Purchase	Rs. Crore	87.6	85.9	51.9	48.4	49.2	50.7	58.3	58.2	50.0	35.8	40.7	63.9	680.6
Generation and Power Purchase	Rs. Crore	124.6	123.9	88.7	86.4	87.3	87.3	95.6	90.3	81.6	71.8	76.5	102.3	1116.0
<u>Per Unit Variable Cost of</u>														
Generation and power purchase	Rs/kwh	1.771	1.754	1.374	1.353	1.355	1.370	1.396	1.426	1.398	1.304	1.330	1.409	1.385

Variable cost of generation and power purchase considered by REL for FY 2005-06.

Reliance Energy Limited													
Weighted Average Cost													
Month	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	TOTAL
Quantity													
DTPS Generation	367.9	377.3	365.3	376.9	378.5	363.2	370.1	319.1	314.3	357.5	355.1	380.8	4326.0
TPC Pur 22/33 kV	302.6	296.8	252.6	235.6	239.	246.7	283.8	283.1	243.2	174.4	198.2	311.1	3067.3
TPC Pur 220 kV	32.9	32.3	27.5	25.6	26.0	26.9	30.9	30.8	26.5	19.0	21.6	33.9	333.9
Total MUS	703.4	706.4	645.4	638.1	643.7	636.8	684.8	633.0	584.0	550.9	574.9	725.8	7727.2
Rate													
DTPS Generation	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006
TPC Pur 22/33 kV	1.8625	1.8625	1.8625	1.8625	1.8625	1.8625	1.8625	1.8625	1.8625	1.8625	1.8625	1.8625	1.8625
TPC Pur 220 kV	1.7700	1.7700	1.7700	1.7700	1.7700	1.7700	1.7700	1.7700	1.7700	1.7700	1.7700	1.7700	1.7700
Total Rate													
Value													
DTPS	37.00	38.00	36.80	37.90	38.10	36.60	37.30	32.10	31.60	36.00	35.70	38.30	435.40
TPC	56.36	55.28	47.05	43.88	44.55	45.95	52.86	52.73	45.30	32.48	36.91	57.94	571.28
TPC	5.82	5.72	4.87	4.53	4.60	4.76	5.47	5.45	4.69	3.36	3.82	6.00	59.10
TOTAL Value	99.18	99.00	88.71	86.31	87.25	87.31	95.63	90.28	81.59	71.85	76.44	102.24	1065.78
Weighted Average Cost	1.4100	1.4014	1.3746	1.3526	1.3555	1.3711	1.3964	1.4262	1.3970	1.3041	1.3296	1.4087	1.3793

Table: Coal related expenses for period April 05 to Sept 05

Sr No.	Month	Particulars	REL's submission	Comm.'s approval	RTM* not considered	Remarks
1	April 05	Coal Coordinator Exp., Sample Analysis Charges, RTM exp, Western Railway staff reimbursement, Coal transporter bill deduction	7.94	1.24	6.70	
2	May 05	RTM exp, Coal Coordinator Exp., LC Chg. @ 0.2% p.a. annually upfront, Western Railway staff reimbursement, Overloading Chg. Paid to W.R.	28.09	21.08	7.01	
3	June 05	RTM exp, Coal Coordinator Exp., Revolving LC chg. Including Ser tax-for secl LC, Int. paid to Secl on delayed payment of LC, Western Railway staff reimbursement, Coal transporter bill deduction	94.36	87.91	6.45	
4	July 05	RTM exp., Demurrage amt - WR-DRD, Western Railway staff reimbursement, Coal transporter bill deduction	7.71	-0.68	4.40	REL submitted details of Rs. 3.72 lacs only
5	Aug 05	Western Railway staff reimbursement, Coal Coordinator Exp., Secl LC Amendment chg., RTM chgs., addl. Payment to ICA for increase in comm. Rate, Addl. Payment to coal transporter for increase in rate with retrospective effect - Nov 04 to June 05., Deduction from coal transporter bill.	77.58	64.25	13.33	
	Aug 05	No details	32.18	0.00	-	No submission by REL
6	Sept 05	Coal Coordinator Exp., Western Railway staff reimbursement, RTM exp, Coal transporter bill deduction	6.86	5.46	6.09	REL incurred Rs. 6.86 lacs as per FAC submission, however details of expenses submitted for 11.56 lacs
	Total		254.72	179.26	43.98	

* RTM is Rail Track Maintenance

Annexure IV

Table: Coal related expenses for Mar 06

Sr No.	Month	Particulars	REL's Submission	Comm.'s Approval	RTM* not considered	Remarks
1	Dec.05	Over loading charges of Rlys., RTM exps., WR staff reimbursement, coal co-ordinator exps., part recovery made against STCLI washery bill,	244.13	236.33	7.80	
2	Mar 06	Addl. Custom duty towards increase in Royalty on importer coal, Addl. Amt. Paid to inland transporter of imported coal towards increase in Stax, diesel price and incentive for early discharge	7.82	7.82	0.00	
3	Mar 06	Stax. Payable to Indian coal agency for arranging rakes, addl. Cost of raw coal i.e. Vikas Upkar and Paryavaran upkar @ Rs. %5/- by SECL, Coal LC amendment chgs., RTM Exps., WR.Staff exps., Coal co-ordinator exps., penalty recovered from coal transporter, amt. recovered towards penalty imposed towards higher moisture content.	49.47	43.07	6.40	
	Total		301.42	287.22	14.20	

* RTM is Rail Track Maintenance