

**CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI**

Coram:

- 1. Dr. Pramod Deo, Chairperson**
- 2. Shri Bhanu Bhushan, Member**
- 3. Shri R.Krishnamoorthy, Member**
- 4. Shri S.Jayraman, Member**

Petition No. 113/2008

In the matter of

Determination of transmission tariff for additional capitalization for (i) 400 kV Ramagundam-Hyderabad D/C transmission line, (ii) 400 kV S/C Hyderabad-Kurnool-Gooty transmission line, (iii) 400 kV S/C Khammam-Nagarjunasagar transmission line and (iv) 400 kV S/C Gooty-Neelmangla transmission line along with associated bays and equipment under Ramagundam Stage-III transmission system in Southern Region.

And in the matter of

Power Grid Corporation of India Limited

....**Petitioner**

Vs

1. Karnataka Power Transmission Corporation Ltd., Bangalore
 2. Transmission Corporation of Andhra Pradesh Ltd. Hyderabad
 3. Kerala State Electricity Board, Thiruvananthapuram
 4. Tamil Nadu Electricity Board, Chennai
 5. Electricity Deptt. Govt. of Pondicherry, Pondicherry
- ..Respondents**

The following were present:

1. Shri U.K. Tyagi, PGCIL
2. Shri V.V.Sharma, PGCIL
3. Shri A.K.Nagpal, PGCIL
4. Shri M.M.Mandol, PGCIL
5. Shri Mohd. Mohsin, PGCIL
6. Shri R.Krishnaswami, TNEB

**ORDER
(DATE OF HEARING:16.12.2008)**

This petition has been filed for revision of transmission charges after accounting for additional capital expenditure incurred during 2004-05, 2005-06, 2006-07 and 2007-08 in respect of (i) 400 kV Ramagundam-Hyderabad D/C transmission line (Asset-I), (ii) 400 kV S/C Hyderabad-Kurnool-Gooty

transmission line (Asset-II), (iii) 400 kV S/C Khammam-Nagarjunasagar transmission line (Asset-III), and (iv) 400 kV S/C Gooty-Neelmangla transmission line (Asset-IV) along with associated bays and equipment under Ramagundam Stage-III transmission system (hereinafter referred to as `the transmission system`) in Southern Region for the period up to 31.3.2009, based on the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2004 (hereinafter referred to as “the 2004 regulations”).

2. The administrative approval and expenditure sanction for the transmission system was accorded by the Central Government in Ministry of Power vide letter dated 29/30.8.2001 at an estimated cost of Rs. 39012 lakh which included IDC of Rs. 4204 lakh.

3. The details of the respective transmission asset, their dates of commercial operation and apportioned approved cost as indicated by the petitioner are as under:

S.No	Name of the asset	Date of commercial operation	Apportioned approved cost (Rs in lakh)
(a)	Asset-I	1.11.2004	11214.00
(b)	Asset-II	1.3.2005	11324.00
(c)	Asset-III	1.3.2004	5768.00
(d)	Asset-IV	1.5.2005	8983.00

4. The transmission charges for Asset-I and Asset-II were approved by the Commission in its order dated 22.11.2006 in Petition No. 21/2006, for Asset-III vide order dated 5.5.2006 in Petition No. 128/2005 and for Asset- IV vide order dated 15.3.2007 in Petition No. 130/2006. Hereinafter, these orders are being collectively referred to as “the previous tariff orders”. The summary of the transmission charges approved is given at Annexure –I.

5. The relevant details of the approved cost etc. of the transmission assets claimed by the petitioner are as under:

(Rs. In lakh)

Name of the element	Capital expenditure as per the previous tariff orders	Additional capital expenditure during 2004-05	Gross block as on 31.3.2005	Additional capital expenditure during 2005-06	Gross block as on 1.4.2006	Additional capital expenditure during 2006-07	Gross block as on 1.4.2007	Additional capital expenditure during 2007-08	Gross block as on 1.4.2008
Asset-I	9172.10 (1.11.2004)	138.07	9310.17	-	9310.17		9310.17		9310.17
Asset-II	8048.20 (1.3.2005)	-	8048.20	587.59	8635.79	54.55	8690.34		8690.34
Asset-III	4654.59 (1.4.2004)	4.23	4658.82	-	4658.82	-	4658.82		4658.82
Asset-IV	6990.93 (1.4.2006)	-		-	6990.93	151.02	7141.95	37.07	7179.02

6. Based on the above additional capital expenditure, the petitioner has claimed the additional transmission charges for the years 2004-05, 2005-06, 2006-07 and 2007-08 is given in Annexure-II.

7. The reply to the petition has been filed by Tamil Nadu Electricity Board (TNEB).

Additional Capital Expenditure

8. The details submitted by the petitioner in support of its claim for additional capital expenditure are given in Annexure-III.

9. It is found that the additional capital expenditure claimed is mainly on account of retention payments, deferred payments, compensation, price variation etc. These are part of the deferred liabilities relating to works / services and are within the original scope of work. Therefore, the additional expenditure sought to be capitalised is allowed under clauses (1) and (2) of Regulation 53 of the 2004 regulations. The petitioner has submitted that the overall completion cost of the transmission system after considering the additional capitalization is

within the approved cost of Rs. 39012 lakh. After taking into account the additional capital expenditure for all the transmission assets, the total capital cost works out to Rs. 29838 lakh for the purpose of tariff.

TOTAL CAPITAL COST

10. Based on the above, capital cost for the purpose of tariff for each of the transmission asset, works out as under:

Name of the element	Capital expenditure as per the previous tariff orders	Additional capital expenditure during 2004-05	Gross block as on 31.3.2005	Additional capital expenditure during 2005-06	Gross block as on 1.4.2006	Additional capital expenditure during 2006-07	Gross block as on 1.4.2007	Additional capital expenditure during 2007-08	Gross block as on 1.4.2008
Asset-I	9172.10 (1.11.2004)	138.07	9310.17	-	9310.17		9310.17		9310.17
Asset-II	8048.20 (1.4.2005)	-	8048.20	587.59	8635.79	54.55	8690.34		8690.34
Asset-III	4654.59 (1.4.2004)	4.23	4658.82	-	4658.82	-	4658.82		4658.82
Asset-IV	6990.93 (1.4.2006)	-	-	-	6990.93	151.02	7141.95	37.07	7179.02

DEBT- EQUITY RATIO

11. As per the previous tariff orders, debt-equity ratio of 79.71:20.29 for Asset-I, 77.53:22.47 for Asset-II, 80.11:19.89 for Asset-III and 77.23:22.77 for Asset-IV, as on the date of commercial operation was considered. The petitioner has further considered the amount of additional capitalization during 2004-05, 2005-06, 2006-07 and 2007-08 in the debt-equity ratio of 70:30. This has been found to be in order. Accordingly, for the purpose of tariff, equity considered for the transmission assets is as under:

(Rs. in lakh)

	Equity as on date of commercial operation	Equity as on 1.4.2005	Notional additional equity during 2005-06	Equity as on 1.4.2006	National additional equity during 2006-07	Average equity for 2006-07	National additional equity during 2007-08	Average equity for 2007-08	Equity as on 1.4.2008
Asset- I	1861.32	1882.03	-	1902.74	-	1902.74	-	1902.74	1902.74
Asset-II	1808.08	-	176.28	1896.22	16.37	1992.54	-	2000.72	2000.72
Asset-III	925.84	926.47	-	927.11	-	927.11	-	927.11	927.11
Asset-IV	1499.74	-	120.95	1560.22	45.31	1643.35	11.12	1671.56	1677.12

RETURN ON EQUITY

12. As per clause (iii) of Regulation 56 of the 2004 regulations, return on equity shall be computed on the equity base determined in accordance with regulation 54 @ 14% per annum. Equity invested in foreign currency is to be allowed a return in the same currency and the payment on this account is made in Indian Rupees based on the exchange rate prevailing on the due date of billing.

13. Equity as given the table under para 11 above has been considered. However, tariff for the year of additional capital expenditure approved has been allowed on average equity. Accordingly, return on equity allowed is given as under:

(Rs. in lakh)

Name of the asset	Return on equity				
	2004-05	2005-06	2006-07	2007-08	2008-09
Asset-I	109.79 (Pro rata)	266.38	266.38	266.38	266.38
Asset-II	21.09 (Pro rata)	265.47	278.96	280.10.	280.10
Asset-III	129.71	129.79	129.79	129.79	129.79
Asset-IV	-	200.23 (Pro rata)	230.07	234.02	234.80

INTEREST ON LOAN

14. Clause (1) of regulation 56 of the 2004 regulations *inter alia* provides that,-

(a) Interest on loan capital shall be computed loan wise on the loans arrived at in the manner indicated in regulation 54.

(b) The loan outstanding as on 1.4.2004 shall be worked out as the gross loan in accordance with Regulation 54 minus cumulative repayment as admitted by the Commission or any other authority having power to do so, up to 31.3.2004. The repayment for the period 2004-09 shall be worked out on a normative basis.

(c) The transmission licensee shall make every effort to re-finance the loan as long as it results in net benefit to the beneficiaries. The costs associated with such re-financing shall be borne by the beneficiaries.

(d) The changes to the loan terms and conditions shall be reflected from the date of such re-financing and benefit passed on to the beneficiaries.

(e) In case of dispute, any of the parties may approach the Commission with proper application. However, the beneficiaries shall not withhold any payment ordered by the Commission to the transmission licensee during pendency of any dispute relating to re-financing of loan;

(f) In case any moratorium period is availed of by the transmission licensee, depreciation provided for in the tariff during the years of moratorium shall be treated as repayment during those years and interest on loan capital shall be calculated accordingly.

(g) The transmission licensee shall not make any profit on account of re-financing of loan and interest on loan;

(h) The transmission licensee may, at its discretion, swap loans having floating rate of interest with loans having fixed rate of interest, or vice versa, at its own cost and gains or losses as a result of such swapping shall accrue to the transmission licensee:

Provided that the beneficiaries shall be liable to pay interest for the loans initially contracted, whether on floating or fixed rate of interest.”

15. The petitioner has not utilised any actual loan for the additional capital expenditure incurred during 2004-08. However, 70% of the additional capital expenditure has been considered as notional loan.

16. In our calculation the interest on loan has been worked out as detailed below:

(a) Gross amount of loan, repayment of instalments and rate of interest submitted have been used to work out weighted average rate of interest on actual loan.

(b) Notional loan arising out of additional capital expenditure has been added in loan amount as on date of commercial operation to arrive at total notional loan. This adjusted gross loan is considered as normative loan for tariff calculations.

(c) Tariff has been worked out considering normative loan and normative repayments. Normative repayments are worked out by the following formula :

$$\frac{\text{Actual repayment of actual loan during the year}}{\text{Opening balance of actual loan during the year}} \times \text{Opening balance of normative loan during the year}$$

(d) Moratorium in repayment of loan is considered with reference to normative loan and if the normative repayment of loan during the year is less than the depreciation including Advance Against Depreciation during the year, then depreciation including Advance Against Depreciation during the year is deemed as normative repayment of loan during the year.

(e) Weighted average rate of interest on actual loan worked out as per (i) above is applied on the notional average loan during the year to arrive at the interest on loan.

(f) ADB-II and OBC loans carry floating rates of interest. Any change in the floating rate of interest and consequent increase/decrease in the interest on loan shall be settled mutually between the petitioner and beneficiaries

17. Based on above, year-wise interest on loan worked out is given in Annexure-IV.

18. The detailed calculations in support of the weighted average rate of interest are contained in Annexure-V, Annexure-VI, Annexure-VII and Annexure-VIII attached.

DEPRECIATION

19. Sub-clause (a) of clause (ii) of Regulation 56 of the 2004 regulations provides for computation of depreciation in the following manner, namely:

(a) The value base for the purpose of depreciation shall be the historical cost of the asset.

(b) Depreciation shall be calculated annually based on straight line method over the useful life of the asset and at the rates prescribed in Appendix II to these regulations. The residual value of the asset shall be considered as 10% and depreciation shall be allowed up to maximum of 90% of the historical capital cost of the asset. Land is not a depreciable asset and its cost shall be excluded from the capital cost while computing 90% of the historical cost of the asset. The historical capital cost of the asset shall include additional capitalisation on account of Foreign Exchange Rate Variation up to 31.3.2004 already allowed by the Central Government/Commission.

(c) On repayment of entire loan, the remaining depreciable value shall be spread over the balance useful life of the asset.

(d) Depreciation shall be chargeable from the first year of operation. In case of operation of the asset for part of the year, depreciation shall be charged on pro rata basis.

20. Depreciation allowed has been worked out is given in Annexure IX.

ADVANCE AGAINST DEPRECIATION

21. As per sub-clause (b) of clause (ii) of Regulation 56 of the 2004 regulations, in addition to allowable depreciation, the transmission licensee is entitled to Advance Against Depreciation, computed in the manner given hereunder:

AAD = Loan repayment amount as per regulation 56 (i) subject to a ceiling of 1/10th of loan amount as per regulation 54 minus depreciation as per schedule

22. It is provided that Advance Against Depreciation shall be permitted only if the cumulative repayment up to a particular year exceeds the cumulative depreciation up to that year. It is further provided that Advance Against Depreciation in a year shall be restricted to the extent of difference between cumulative repayment and cumulative depreciation up to that year.

23. The petitioner has claimed Advance Against Depreciation in the following manner:

- (a) 1/10th of gross loan is worked out from the gross notional loan.
- (b) Cumulative loan as well as repayment of notional loan during the year have been considered.
- (c) Depreciation as claimed in the petition.

24. Accordingly, in our calculation the Advance Against Depreciation has been worked as detailed below:

- (a) 1/10th of gross loan is worked out from the Gross Notional Loan as per Annexure-IV.

(b) Repayment of notional loan during the year is considered as per Annexure-IV.

(c) Depreciation is worked out as per Annexure-IX.

(d) In the calculation of Advance Against Depreciation, cumulative depreciation/Advance Against Depreciation up to the preceding year along with the depreciation of the current year have been considered for working out the Advance Against Depreciation. Therefore the figure of cumulative depreciation/ Advance Against Depreciation is different from the figure appearing under the similar head elsewhere in tariff calculations where Advance Against Depreciation for the current year is also included for 90% restriction of the depreciation.

25. Details of Advance Against Depreciation allowed are given is given in Annexure-X

OPERATION & MAINTENANCE EXPENSES

26. In accordance with clause (iv) of Regulation 56 the 2004 regulations, the following norms are prescribed for O & M expenses:

	Year				
	2004-05	2005-06	2006-07	2007-08	2008-09
O&M expenses (Rs in lakh per ckt-km)	0.227	0.236	0.246	0.255	0.266
O&M expenses (Rs in lakh per bay)	28.12	29.25	30.42	31.63	32.90

27. O&M expenses as taken for the tariff calculations as per the previous tariff orders have been considered, since line length and number of bays remain unchanged.

INTEREST ON WORKING CAPITAL

28. The components of the working capital and the interest thereon are discussed hereunder:

(i) Maintenance spares

Regulation 56(v) (1) (b) of the 2004 regulations provides for maintenance spares @ 1% of the historical cost escalated @ 6% per annum from the date of commercial operation. The petitioner has claimed maintenance spares after accounting for additional capital expenditure. Maintenance spares as considered in the previous tariff orders have been considered .

(ii) O & M expenses

Regulation 56(v)(1)(a) of the 2004 regulations provides for operation and maintenance expenses for one month as a component of working capital. O&M expenses as considered in the previous tariff orders have been considered.

(iii) Receivables

As per Regulation 56(v)(1)(c) of the 2004 regulations, receivables will be equivalent to two months average billing calculated on target availability level. Accordingly, in the tariff being allowed, receivables have been worked out on the basis 2 months' transmission charges.

(iv) Rate of interest on working capital

As per Regulation 56(v) (2) of the 2004 regulations, rate of interest on working capital shall be on normative basis and shall be equal to the short-term Prime Lending Rate of State Bank of India as on 1.4.2004 or on 1st April of the year in which the project or part thereof (as the case may be) is declared under commercial operation, whichever is later. The interest on working capital is payable on normative basis notwithstanding that the transmission licensee has not taken working capital loan from any outside agency. The petitioner has claimed interest on working capital @ 10.25% based on SBI PLR as on 1st April of the year of commercial

operation of the respective transmission asset, which is in accordance with the 2004 regulations and has been allowed.

29. The necessary computations in support of interest on working capital is given in Annexure-XI

TRANSMISSION CHARGES

30. The revised transmission charges being allowed for the transmission assets are given in Annexure XII.

31. The petitioner shall recover from the beneficiaries the additional transmission charges for the period up to 31.3.2009 in six monthly instalments. The petitioner has also sought reimbursement of filing fee of Rs.one lakh paid. The Commission by its separate general order dated 11.9.2008 in Petition No. 129/2005 (suo motu) has decided that the petitioner shall not be allowed reimbursement of the petition filing fee.

32. In addition to the transmission charges, the petitioner shall be entitled to other charges like income-tax, incentive, surcharge and other cess and taxes in accordance with the 2004 regulations. These transmission charges shall be included in the regional transmission tariff for Southern Region and shall be shared by the regional beneficiaries in accordance with the 2004 regulations.

33. This order disposes of Petition No. 113/2008.

Sd/-	sd/-	sd/-	sd/-
(S.JAYARAMAN)	(R.KRISHNAMOORTHY)	(BHANU BHUSHAN)	(DR.PROMOD DEO)
MEMBER	MEMBER	MEMBER	CHAIRPERSON

New Delhi dated the 3rd February 2009

Annexure-I
(Rs. in lakh)

	Asset - I					Asset - II					Asset - III					Asset - IV			
	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2005-06	2006-07	2007-08	2008-09
Depreciation	100.91	242.18	242.18	242.18	242.18	18.13	217.53	217.53	217.53	217.53	126.83	126.83	126.83	126.83	126.83	169.39	191.07	191.07	191.07
Interest on Loan	125.80	294.47	282.40	268.37	253.36	25.04	294.60	282.97	269.98	255.68	138.88	133.89	128.36	122.18	115.68	226.63	244.35	234.61	224.35
Return on Equity	108.58	260.58	260.58	260.58	260.58	21.09	253.13	253.13	253.13	253.13	129.62	129.62	129.62	129.62	129.62	200.23	226.90	226.90	226.90
Advance against Depreciation	0.00	0.00	54.86	79.66	107.66	0.00	0.00	29.55	51.20	82.96	0.00	0.00	0.00	5.34	23.23	0.00	0.00	0.00	20.67
Interest on Working Capital	11.42	27.66	29.16	30.13	31.20	2.21	26.70	27.72	28.60	29.70	14.00	14.29	14.60	15.01	15.66	19.50	21.99	22.38	23.16
O & M Expenses	61.50	153.49	159.86	165.90	172.87	15.25	190.32	198.11	205.75	214.24	89.06	92.62	96.41	100.13	104.26	109.04	123.85	128.57	133.93
Total	408.20	978.38	1029.04	1046.82	1067.85	81.72	982.29	1009.01	1026.19	1053.24	498.39	497.25	495.82	499.10	515.28	724.79	808.16	803.52	820.07

Annexure-II
(Rs. in lakh)

	Asset-I					Asset-II				Asset-III					Asset-IV		
	2004-05	2005-06	2006-07	2007-08	2008-09	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2006-07	2007-08	2008-09
Depreciation	0.74	3.55	3.55	3.55	3.55	8.79	18.32	19.06	19.06	126.91	126.99	126.99	126.99	126.99	2.08	4.63	5.11
Interest on Loan	0.83	3.91	3.74	3.55	3.35	9.67	19.74	19.70	18.67	141.70	141.38	137.91	131.26	124.26	2.53	5.56	5.92
Return on Equity	1.21	5.80	5.80	5.80	5.80	12.34	25.82	26.97	26.97	127.83	128.13	128.13	128.13	128.13	3.17	7.12	7.90
Advance against Depreciation	0.00	0.00	0.38	0.71	1.08	0.00	0.00	0.59	2.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest on Working Capital	0.08	0.38	0.39	0.40	0.41	0.84	1.77	1.88	1.95	14.19	14.58	14.93	15.25	15.59	0.21	0.48	0.54
O & M Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.06	92.62	96.41	100.13	104.26	0.00	0.00	0.00
Total	2.86	13.63	13.86	14.01	14.20	31.64	65.65	68.20	69.53	499.69	503.70	504.37	501.76	499.23	7.99	17.79	19.46

Annexure-III

Asset-I			Asset-II			Asset-III			Asset-IV		
Year	Amount (Rs. in lakh)	Nature and details of expenditure	Year	Amount (Rs. in lakh)	Nature and details of expenditure	Year	Amount (Rs. in lakh)	Nature and details of expenditure	Year	Amount (Rs. in lakh)	Nature and details of expenditure
2004-05	Transmission line=137.79 Sub- station=0.28 Total = 138.07	retention payments	2005-06	Transmission line=347.71 Sub- station=239.88 Total = 587.59	Compensation, PV, Retention, erection and additional taxes and duties Payments	2004-05	Sub- station=4.23	Towards retention payments and admitted vide order dated 5.5.2006 in Petition No. 128/2005	2006- 07	Transmission line=124.60 Sub-station=26.34 Total = 151.02	Balance payments
			2006-07	Transmission line=46.28 Sub-station=8.27 Total = 54.55	Compensation, PV, Retention, erection and additional taxes and duties Payments				2007- 08	Transmission line=37.07	Balance payments

Annexure-IV

(Rs. in lakh)

	Asset-I					Asset-II					Asset-III					Asset-IV			
	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2005-06	2006-07	2007-08	2008-09
Opening Gross Normative Loan	7310.78	7407.43	7407.43	7407.43	7407.43	6240.12	6240.12	6651.43	6689.62	6689.62	3728.75	3731.71	3731.71	3731.71	3731.71	5088.01	5370.24	5475.95	5501.90
Cumulative Repayment up to Previous Year/date of commercial operation	2.92	104.57	350.30	650.78	976.44	1.75	19.88	246.20	508.61	796.06	0.00	126.91	253.89	383.94	523.44	3.08	172.47	365.62	561.33
Net Loan-Opening	7307.86	7302.86	7057.13	6756.65	6430.99	6238.37	6220.24	6405.24	6181.01	5893.55	3728.75	3604.80	3477.82	3347.77	3208.27	5084.93	5197.76	5110.33	4940.57
Addition due to Additional Capitalisation	96.65					0.00	411.31	38.19			2.96					282.23	105.71	25.95	
Repayment during the year	101.65	245.73	300.49	325.65	354.08	18.13	226.32	262.41	287.45	321.07	126.91	126.98	130.05	139.50	150.17	169.39	193.15	195.70	217.24
Net Loan-Closing	7302.86	7057.13	6756.65	6430.99	6076.91	6220.24	6405.24	6181.01	5893.55	5572.48	3604.80	3477.82	3347.77	3208.27	3058.09	5197.76	5110.33	4940.57	4723.33
Average Loan	7305.36	7180.00	6906.89	6593.82	6253.95	6229.31	6312.74	6293.12	6037.28	5733.02	3666.78	3541.31	3412.79	3278.02	3133.18	5141.34	5154.04	5025.45	4831.95
Weighted Average Rate of Interest on Loan	4.1602%	4.1510%	4.1340%	4.1158%	4.0973%	4.8234%	4.81%	4.79%	4.78%	4.76%	3.7890%	3.7838%	3.7641%	3.7301%	3.6951%	4.81%	4.79%	4.78%	4.76%
Interest	126.63	298.04	285.53	271.39	256.25	25.04	303.37	301.14	288.32	273.17	138.93	133.99	128.46	122.27	115.77	226.63	246.83	240.07	230.17

Annexure-V

CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN

(i) 400 kV Ramagundam-Hyderabad D/C transmission line

(Rs. in lakh)

Details of Loan	2004-05	2005-06	2006-07	2007-08	2008-09
Bond X					
Gross Loan opening	35.00	35.00	35.00	35.00	35.00
Cumulative Repayment upto DOCO/previous year	2.92	2.92	5.84	8.75	11.67
Net Loan-Opening	32.08	32.08	29.16	26.25	23.33
Repayment during the year	0.00	2.92	2.92	2.92	2.92
Net Loan-Closing	32.08	29.16	26.25	23.33	20.41
Average Loan	32.08	30.62	27.71	24.79	21.87
Rate of Interest	10.90%	10.90%	10.90%	10.90%	10.90%
Interest	3.50	3.34	3.02	2.70	2.38
Repayment Schedule	12 Annual instalments from 21.06.2004				
Bond XI Option-I					
Gross Loan opening	37.00	37.00	37.00	37.00	37.00
Cumulative Repayment upto DOCO/previous year	0.00	0.00	3.08	6.17	9.25
Net Loan-Opening	37.00	37.00	33.92	30.83	27.75
Repayment during the year	0.00	3.08	3.08	3.08	3.08
Net Loan-Closing	37.00	33.92	30.83	27.75	24.67
Average Loan	37.00	35.46	32.38	29.29	26.21
Rate of Interest	9.80%	9.80%	9.80%	9.80%	9.80%
Interest	3.63	3.47	3.17	2.87	2.57
Repayment Schedule	12 Annual Installments from 07.12.05				
Bond-XII					
Gross Loan opening	3.00	3.00	3.00	3.00	3.00
Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.25	0.50	0.75
Net Loan-Opening	3.00	3.00	2.75	2.50	2.25
Repayment during the year	0.00	0.25	0.25	0.25	0.25
Net Loan-Closing	3.00	2.75	2.50	2.25	2.00
Average Loan	3.00	2.88	2.63	2.38	2.13
Rate of Interest	9.70%	9.70%	9.70%	9.70%	9.70%
Interest	0.29	0.28	0.25	0.23	0.21
Repayment Schedule	12 Annual Instalments from 28.03.2006				
Bond XIII Option I					
Gross Loan opening	515.00	515.00	515.00	515.00	515.00
Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	42.92	85.83
Net Loan-Opening	515.00	515.00	515.00	472.08	429.17
Repayment during the year	0.00	0.00	42.92	42.92	42.92
Net Loan-Closing	515.00	515.00	472.08	429.17	386.25
Average Loan	515.00	515.00	493.54	450.63	407.71
Rate of Interest	8.63%	8.63%	8.63%	8.63%	8.63%
Interest	44.44	44.44	42.59	38.89	35.19
Repayment Schedule	12 Annual Instalments from 31.07.2006				

PNB-II					
Gross Loan opening	21.00	21.00	21.00	21.00	21.00
Cumulative Repayment upto DOCO/previous year	0.00	1.75	3.50	5.25	7.00
Net Loan-Opening	21.00	19.25	17.50	15.75	14.00
Repayment during the year	1.75	1.75	1.75	1.75	1.75
Net Loan-Closing	19.25	17.50	15.75	14.00	12.25
Average Loan	20.13	18.38	16.63	14.88	13.13
Rate of Interest	8.60%	8.60%	8.60%	8.60%	8.60%
Interest	1.73	1.58	1.43	1.28	1.13
Repayment Schedule	12 Annual Instalments from 08.03.2005				
OBC					
Gross Loan opening	17.00	17.00	17.00	17.00	17.00
Cumulative Repayment upto DOCO/previous year	0.00	1.42	2.83	4.25	5.67
Net Loan-Opening	17.00	15.58	14.17	12.75	11.33
Repayment during the year	1.42	1.42	1.42	1.42	1.42
Net Loan-Closing	15.58	14.17	12.75	11.33	9.92
Average Loan	16.29	14.88	13.46	12.04	10.63
Rate of Interest	8.60%	8.60%	8.60%	8.60%	8.60%
Interest	1.40	1.28	1.16	1.04	0.91
Repayment Schedule	12 Annual Instalments from 22.03.2005				
ADB-II uv					
Gross Loan opening	114.94	114.94	114.94	114.94	114.94
Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	3.17	6.66
Net Loan-Opening	114.94	114.94	114.94	111.77	108.27
Repayment during the year	0.00	0.00	3.17	3.49	3.85
Net Loan-Closing	114.94	114.94	111.77	108.27	104.42
Average Loan	114.94	114.94	113.35	110.02	106.35
Rate of Interest	7.47%	7.47%	7.47%	7.47%	7.47%
Interest	8.59	8.59	8.47	8.22	7.94
Repayment Schedule	15 Half yearly instalments from 15.06.2006				
ADB-II LB					
Gross Loan opening	6567.84	6567.84	6567.84	6567.84	6567.84
Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	255.63	536.91
Net Loan-Opening	6567.84	6567.84	6567.84	6312.21	6030.93
Repayment during the year	0.00	0.00	255.63	281.28	310.23
Net Loan-Closing	6567.84	6567.84	6312.21	6030.93	5720.70
Average Loan	6567.84	6567.84	6440.02	6171.57	5875.81
Rate of Interest	3.66%	3.66%	3.66%	3.66%	3.66%
Interest	240.38	240.38	235.70	225.88	215.05
Repayment Schedule	15 Half yearly Instalments from 15.06.2006				
ADB-II LB (for ACE)					
Gross Loan opening	0.00	0.00	138.07	138.07	138.07
Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	5.37	11.28
Net Loan-Opening	0.00	0.00	138.07	132.70	126.79
Additions during the year	0.00	138.07			
Repayment during the year	0.00	0.00	5.37	5.91	6.52
Net Loan-Closing	0.00	138.07	132.70	126.79	120.27
Average Loan	0.00	69.04	135.39	129.75	123.53
Rate of Interest	3.66%	3.66%	3.66%	3.66%	3.66%

Interest	0.00	2.53	4.96	4.75	4.52
Repayment Schedule	15 Half yearly Instalments from 15.06.2006				
Total Loan					
Gross Loan opening	7310.78	7310.78	7448.85	7448.85	7448.85
Cumulative Repayment upto DOCO/previous year	2.92	6.09	15.50	332.01	675.02
Net Loan-Opening	7307.86	7304.69	7433.34	7116.84	6773.82
Additions during the year	0.00	138.07	0.00	0.00	0.00
Repayment during the year	3.17	9.42	316.50	343.02	372.94
Net Loan-Closing	7304.69	7433.34	7116.84	6773.82	6400.89
Average Loan	7306.27	7369.02	7275.09	6945.33	6587.36
Rate of Interest	4.16%	4.15%	4.13%	4.12%	4.10%
Interest	303.96	305.89	300.75	285.85	269.91

Annexure-VI

(ii) 400 kV S/C Hyderabad-Kurnool-Gooty transmission line

(Rs. in lakh)

	Details of Loan	2004-05	2005-06	2006-07	2007-08	2008-09
1	Bond X					
	Gross Loan opening	21.00	21.00	21.00	21.00	21.00
	Cumulative Repayment upto DOCO/previous year	1.75	1.75	3.50	5.25	7.00
	Net Loan-Opening	19.25	19.25	17.50	15.75	14.00
	Repayment during the year	0.00	1.75	1.75	1.75	1.75
	Net Loan-Closing	19.25	17.50	15.75	14.00	12.25
	Average Loan	19.25	18.38	16.63	14.88	13.13
	Rate of Interest	10.90%	10.90%	10.90%	10.90%	10.90%
	Interest	2.10	2.00	1.81	1.62	1.43
	Repayment Schedule	12 Annual instalments from 21.06.2004				
2	Bond XI Option-I					
	Gross Loan opening	23.00	23.00	23.00	23.00	23.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	1.92	3.83	5.75
	Net Loan-Opening	23.00	23.00	21.08	19.17	17.25
	Repayment during the year	0.00	1.92	1.92	1.92	1.92
	Net Loan-Closing	23.00	21.08	19.17	17.25	15.33
	Average Loan	23.00	22.04	20.13	18.21	16.29
	Rate of Interest	9.80%	9.80%	9.80%	9.80%	9.80%
	Interest	2.25	2.16	1.97	1.78	1.60
	Repayment Schedule	12 Annual Instalments from 07.12.05				
3	Bond-XII					
	Gross Loan opening	2.00	2.00	2.00	2.00	2.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.17	0.33	0.50
	Net Loan-Opening	2.00	2.00	1.83	1.67	1.50
	Repayment during the year	0.00	0.17	0.17	0.17	0.17
	Net Loan-Closing	2.00	1.83	1.67	1.50	1.33
	Average Loan	2.00	1.92	1.75	1.58	1.42
	Rate of Interest	9.70%	9.70%	9.70%	9.70%	9.70%
	Interest	0.19	0.19	0.17	0.15	0.14
	Repayment Schedule	12 Annual Instalments from 28.03.2006				
4	Bond XIII Option I					
	Gross Loan opening	320.00	320.00	320.00	320.00	320.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	26.67	53.33
	Net Loan-Opening	320.00	320.00	320.00	293.33	266.67
	Repayment during the year	0.00	0.00	26.67	26.67	26.67
	Net Loan-Closing	320.00	320.00	293.33	266.67	240.00
	Average Loan	320.00	320.00	306.67	280.00	253.33
	Rate of Interest	8.63%	8.63%	8.63%	8.63%	8.63%
	Interest	27.62	27.62	26.47	24.16	21.86

	Repayment Schedule	12 Annual Instalments from 31.07.2006						
5	Bond XVI							
	Gross Loan opening	76.00	76.00	76.00	76.00	76.00		
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	0.00	0.00		
	Net Loan-Opening	76.00	76.00	76.00	76.00	76.00		
	Repayment during the year	0.00	0.00	0.00	0.00	7.60		
	Net Loan-Closing	76.00	76.00	76.00	76.00	68.40		
	Average Loan	76.00	76.00	76.00	76.00	72.20		
	Rate of Interest as on DOCO	7.10%	7.10%	7.10%	7.10%	7.10%		
	Interest	5.40	5.40	5.40	5.40	5.13		
	Repayment Schedule	10 Annual Instalments from 18.02.2009						
6	PNB-II							
	Gross Loan opening	13.00	13.00	13.00	13.00	13.00		
	Cumulative Repayment upto DOCO/previous year	0.00	1.08	2.17	3.25	4.33		
	Net Loan-Opening	13.00	11.92	10.83	9.75	8.67		
	Repayment during the year	1.08	1.08	1.08	1.08	1.08		
	Net Loan-Closing	11.92	10.83	9.75	8.67	7.58		
	Average Loan	12.46	11.38	10.29	9.21	8.13		
	Rate of Interest	8.60%	8.60%	8.60%	8.60%	8.60%		
	Interest	1.07	0.98	0.89	0.79	0.70		
	Repayment Schedule	12 Annual Instalments from 08.03.2005						
7	OBC							
	Gross Loan opening	11.00	11.00	11.00	11.00	11.00		
	Cumulative Repayment upto DOCO/previous year	0.00	0.92	1.83	2.75	3.67		
	Net Loan-Opening	11.00	10.08	9.17	8.25	7.33		
	Repayment during the year	0.92	0.92	0.92	0.92	0.92		
	Net Loan-Closing	10.08	9.17	8.25	7.33	6.42		
	Average Loan	10.54	9.63	8.71	7.79	6.88		
	Rate of Interest	8.60%	8.60%	8.60%	8.60%	8.60%		
	Interest	0.91	0.83	0.75	0.67	0.59		
	Repayment Schedule	12 Annual Instalments from 22.03.2005						
8	ADB-II uv							
	Gross Loan opening	68.656	68.66	68.66	68.66	68.66		
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	1.89	3.98		
	Net Loan-Opening	68.66	68.66	68.66	66.76	64.68		
	Repayment during the year	0.00	0.00	1.89	2.09	2.30		
	Net Loan-Closing	68.66	68.66	66.76	64.68	62.37		
	Average Loan	68.66	68.66	67.71	65.72	63.52		
	Rate of Interest	7.49%	7.49%	7.49%	7.49%	7.49%		
	Interest	5.14	5.14	5.07	4.92	4.76		
	Repayment Schedule	15 Half yearly instalments from 15.06.2006						
9	ADB-II LB							
	Gross Loan opening	5705.46	5705.46	5705.46	5705.46	5705.46		
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	222.07	466.41		
	Net Loan-Opening	5705.46	5705.46	5705.46	5483.39	5239.05		
	Repayment during the year	0.00	0.00	222.07	244.34	269.50		
	Net Loan-Closing	5705.46	5705.46	5483.39	5239.05	4969.55		
	Average Loan	5705.46	5705.46	5594.42	5361.22	5104.30		

	Rate of Interest	4.49%	4.49%	4.49%	4.49%	4.49%
	Interest	256.17	256.17	251.19	240.72	229.18
	Repayment Schedule	15 Half yearly Instalments from 15.06.2006				
10	ADB-II LB (for ACE)					
	Gross Loan opening	0.00	0.00	587.59	587.59	587.59
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	22.87	48.03
	Net Loan-Opening	0.00	0.00	587.59	564.72	539.56
	Additions during the year	0.00	587.59	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	22.87	25.16	27.76
	Net Loan-Closing	0.00	587.59	564.72	539.56	511.80
	Average Loan	0.00	293.80	576.16	552.14	525.68
	Rate of Interest	4.49%	4.49%	4.49%	4.49%	4.49%
	Interest	0.00	13.19	25.87	24.79	23.60
	Repayment Schedule	15 Half yearly Instalments from 15.06.2006				
	Total Loan					
	Gross Loan opening	6240.11	6240.11	6827.70	6827.70	6827.70
	Cumulative Repayment upto DOCO/previous year	1.75	3.75	9.58	288.91	593.00
	Net Loan-Opening	6238.36	6236.36	6818.12	6538.79	6234.70
	Additions during the year	0.00	587.59	0.00	0.00	0.00
	Repayment during the year	2.00	5.83	279.33	304.09	339.66
	Net Loan-Closing	6236.36	6818.12	6538.79	6234.70	5895.04
	Average Loan	6237.36	6527.24	6678.45	6386.74	6064.87
	Rate of Interest	4.82%	4.81%	4.79%	4.78%	4.76%
	Interest	300.85	313.68	319.58	305.01	288.99

Annexure-VII

(iii) 400 kV S/C Khammam-Nagarjunasagar line

(Rs. in lakh)

	Details of Loan	2004-05	2005-06	2006-07	2007-08	2008-09
1	Bond-X					
	Net Loan-Opening	15.00	13.75	12.50	11.25	10.00
	Repayment during the year	1.25	1.25	1.25	1.25	1.25
	Net Loan-Closing	13.75	12.50	11.25	10.00	8.75
	Average Loan	14.38	13.13	11.88	10.63	9.38
	Rate of Interest	10.90%	10.90%	10.90%	10.90%	10.90%
	Interest	1.57	1.43	1.29	1.16	1.02
	Repayment Schedule	12 Annual instalments from 21.06.2004				
2	Bond-XI Option-1					
	Net Loan-Opening	16.00	16.00	14.67	13.33	12.00
	Repayment during the year	0.00	1.33	1.33	1.33	1.33
	Net Loan-Closing	16.00	14.67	13.33	12.00	10.67
	Average Loan	16.00	15.33	14.00	12.67	11.33
	Rate of Interest	9.80%	9.80%	9.80%	9.80%	9.80%
	Interest	1.57	1.50	1.37	1.24	1.11
	Repayment Schedule	12 Annual instalments from 7.12.2005				
3	Bond-XII					
	Net Loan-Opening	1.00	1.00	0.92	0.83	0.75
	Repayment during the year	0.00	0.08	0.08	0.08	0.08
	Net Loan-Closing	1.00	0.92	0.83	0.75	0.67
	Average Loan	1.00	0.96	0.88	0.79	0.71
	Rate of Interest	9.70%	9.70%	9.70%	9.70%	9.70%
	Interest	0.10	0.09	0.08	0.08	0.07
	Repayment Schedule	12 Annual instalments from 28.03.2006				
4	Bond XIII Option I					
	Net Loan-Opening	412.00	412.00	412.00	377.67	343.33
	Repayment during the year	0.00	0.00	34.33	34.33	34.33
	Net Loan-Closing	412.00	412.00	377.67	343.33	309.00
	Average Loan	412.00	412.00	394.83	360.50	326.17
	Rate of Interest	8.63%	8.63%	8.63%	8.63%	8.63%
	Interest	35.56	35.56	34.07	31.11	28.15
	Repayment Schedule	12 Annual Instalments from 31.07.2006				
5	OBC					
	Net Loan-Opening	7.00	6.42	5.83	5.25	4.67
	Repayment during the year	0.58	0.58	0.58	0.58	0.58
	Net Loan-Closing	6.42	5.83	5.25	4.67	4.08
	Average Loan	6.71	6.13	5.54	4.96	4.38
	Rate of Interest	8.60%	8.60%	8.60%	8.60%	8.60%
	Interest	0.58	0.53	0.48	0.43	0.38

	Repayment Schedule	12 Annual instalments from 22.03.2005				
6	PNB-II					
	Net Loan-Opening	9.00	8.25	7.50	6.75	6.00
	Repayment during the year	0.75	0.75	0.75	0.75	0.75
	Net Loan-Closing	8.25	7.50	6.75	6.00	5.25
	Average Loan	8.63	7.88	7.13	6.38	5.63
	Rate of Interest	8.60%	8.60%	8.60%	8.60%	8.60%
	Interest	0.74	0.68	0.61	0.55	0.48
	Repayment Schedule	12 Annual instalments from 08.03.2005				
7	ADB-II uv					
	Net Loan-Opening	46.53	46.53	46.53	45.24	43.83
	Repayment during the year	0.00	0.00	1.28	1.41	1.56
	Net Loan-Closing	46.53	46.53	45.24	43.83	42.27
	Average Loan	46.53	46.53	45.88	44.54	43.05
		7.51%	7.51%	7.51%	7.51%	7.51%
	Interest	3.49	3.49	3.45	3.34	3.23
	Repayment Schedule	Half yearly instalments from 15.06.2006				
8	ADB-II Ib					
	Net Loan-Opening	3222.22	3222.22	3222.22	3122.66	3013.10
	Repayment during the year	0.00	0.00	99.57	109.56	120.83
	Net Loan-Closing	3222.22	3222.22	3122.66	3013.10	2892.27
	Average Loan	3222.22	3222.22	3172.44	3067.88	2952.68
		3.03%	3.03%	3.03%	3.03%	3.03%
	Interest	97.63	97.63	96.12	92.96	89.47
	Repayment Schedule	Half yearly instalments from 15.06.2006				
	Total Loan					
	Net Loan-Opening	3728.75	3726.17	3722.17	3582.98	3433.68
	Repayment during the year	2.58	4.00	139.18	149.30	160.73
	Net Loan-Closing	3726.17	3722.17	3582.98	3433.68	3272.95
	Average Loan	3727.46	3724.17	3652.57	3508.33	3353.32
	Rate of Interest	3.79%	3.78%	3.76%	3.73%	3.70%
	Interest	141.23	140.91	137.49	130.86	123.91

(iv) 400 kV S/C Gooty-Neelmangla transmission line

	Details of Loan	2005-06	2006-07	2007-08	2008-09
1	Bond-X				
	Gross Loan opening	18.00	18.00	18.00	18.00
	Cumulative Repayment upto DOCO/previous year	1.50	3.00	4.50	6.00
	Net Loan-Opening	16.50	15.00	13.50	12.00
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	1.50	1.50	1.50	1.50
	Net Loan-Closing	15.00	13.50	12.00	10.50
	Average Loan	15.75	14.25	12.75	11.25
	Rate of Interest	10.90%	10.90%	10.90%	10.90%
	Interest	1.72	1.55	1.39	1.23
	Repayment Schedule		12 Annual instalments from 21.06.2004		
2	Bond-XI Option-I				
	Gross Loan opening	19.00	19.00	19.00	19.00
	Cumulative Repayment upto DOCO/previous year	0.00	1.58	3.17	4.75
	Net Loan-Opening	19.00	17.42	15.83	14.25
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	1.58	1.58	1.58	1.58
	Net Loan-Closing	17.42	15.83	14.25	12.67
	Average Loan	18.21	16.63	15.04	13.46
	Rate of Interest	9.80%	9.80%	9.80%	9.80%
	Interest	1.78	1.63	1.47	1.32
	Repayment Schedule		12 Annual instalments from 07.12.2005		
3	Bond-XII				
	Gross Loan opening	1.00	1.00	1.00	1.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.08	0.17	0.25
	Net Loan-Opening	1.00	0.92	0.83	0.75
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	0.08	0.08	0.08	0.08
	Net Loan-Closing	0.92	0.83	0.75	0.67
	Average Loan	0.96	0.88	0.79	0.71
	Rate of Interest	9.70%	9.70%	9.70%	9.70%
	Interest	0.09	0.08	0.08	0.07
	Repayment Schedule		12 Annual instalments from 28.03.2006		
4	Bond-XIII Option-I				
	Gross Loan opening	261.00	261.00	261.00	261.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	21.75	43.50
	Net Loan-Opening	261.00	261.00	239.25	217.50
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the	0.00	21.75	21.75	21.75

	year				
	Net Loan-Closing	261.00	239.25	217.50	195.75
	Average Loan	261.00	250.13	228.38	206.63
	Rate of Interest	8.63%	8.63%	8.63%	8.63%
	Interest	22.52	21.59	19.71	17.83
	Repayment Schedule		12 Annual instalments from 31.07.2006		
5	Bond- XVI				
	Gross Loan opening	63.00	63.00	63.00	63.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	0.00
	Net Loan-Opening	63.00	63.00	63.00	63.00
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	6.30
	Net Loan-Closing	63.00	63.00	63.00	56.70
	Average Loan	63.00	63.00	63.00	59.85
	Rate of Interest	7.10%	7.10%	7.10%	7.10%
	Interest	4.47	4.47	4.47	4.25
	Repayment Schedule		10 Annual instalments from 18-02-2009		
6	PNB-II				
	Gross Loan opening	10.00	10.00	10.00	10.00
	Cumulative Repayment upto DOCO/previous year	0.83	1.67	2.50	3.33
	Net Loan-Opening	9.17	8.33	7.50	6.67
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	0.83	0.83	0.83	0.83
	Net Loan-Closing	8.33	7.50	6.67	5.83
	Average Loan	8.75	7.92	7.08	6.25
	Rate of Interest	8.60%	8.60%	8.60%	8.60%
	Interest	0.75	0.68	0.61	0.54
	Repayment Schedule		12 Annual Instalments from 08.3.2005		
7	OBC				
	Gross Loan opening	9.00	9.00	9.00	9.00
	Cumulative Repayment upto DOCO/previous year	0.75	1.50	2.25	3.00
	Net Loan-Opening	8.25	7.50	6.75	6.00
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	0.75	0.75	0.75	0.75
	Net Loan-Closing	7.50	6.75	6.00	5.25
	Average Loan	7.88	7.13	6.38	5.63
	Rate of Interest	8.60%	8.60%	8.60%	8.60%
	Interest	0.68	0.61	0.55	0.48
	Repayment Schedule		12 Annual Instalments from 22.03.2005		
8	ADB-II uv				
	Gross Loan opening	56.17	56.17	56.17	56.17
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	1.55	3.26
	Net Loan-Opening	56.17	56.17	54.62	52.91
	Additions during the year	0.00	0.00	0.00	0.00

	Repayment during the year	0.00	1.55	1.71	1.88
	Net Loan-Closing	56.17	54.62	52.91	51.03
	Average Loan	56.17	55.39	53.76	51.97
	Rate of Interest	7.49%	7.49%	7.49%	7.49%
	Interest	4.21	4.15	4.03	3.89
	Repayment Schedule		Half yearly Instalments from 15.06.2006		
9	ADB-II LB				
	Gross Loan opening	4650.84	4650.84	4650.84	4650.84
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	143.71	301.84
	Net Loan-Opening	4650.84	4650.84	4507.13	4349.00
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	143.71	158.13	174.41
	Net Loan-Closing	4650.84	4507.13	4349.00	4174.60
	Average Loan	4650.84	4578.99	4428.07	4261.80
	Rate of Interest	4.49%	4.49%	4.49%	4.49%
	Interest	208.82	205.60	198.82	191.35
	Repayment Schedule		Half yearly Instalments from 15.06.2006		
10	ADB-II LB (for ACE): Drawl on 24-6-2005				
	Gross Loan opening	0.00	0.00	0.00	0.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	12.46	26.17
	Net Loan-Opening	0.00	403.18	390.72	377.01
	Additions during the year	403.18	0.00	0.00	0.00
	Repayment during the year	0.00	12.46	13.71	15.12
	Net Loan-Closing	403.18	390.72	377.01	361.89
	Average Loan	201.59	396.95	383.87	369.45
	Rate of Interest	4.49%	4.49%	4.49%	4.49%
	Interest	9.05	17.82	17.24	16.59
	Repayment Schedule		Half yearly Instalments from 15.06.2006		
	Total Loan				
	Gross Loan opening	5088.01	5088.01	5088.01	5088.01
	Cumulative Repayment upto DOCO/previous year	3.08	7.83	192.05	392.10
	Net Loan-Opening	5084.92	5483.35	5299.14	5099.09
	Additions during the year	403.18	0.00	0.00	0.00
	Repayment during the year	4.75	184.22	200.04	224.21
	Net Loan-Closing	5483.35	5299.14	5099.09	4874.88
	Average Loan	5284.14	5391.25	5199.11	4986.99
	Rate of Interest	4.81%	4.79%	4.78%	4.76%
	Interest	254.10	258.19	248.36	237.55

Annexure-IX

	Asset-I					Asset-II					Asset-III					Asset-IV			
	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2005-06	2006-07	2007-08	2008-09
Rate of Depreciation	2.6399%	2.6394%	2.6394%	2.6394%	2.6394%	2.7029%	2.7130%	2.7225%	2.7225%	2.7225%	2.7253%	2.7257%	2.7257%	2.7257%	2.7257%	2.7218%	2.7333%	2.7331%	2.7327%
Depreciable Value (Rs. in lakh)	8317.02	8379.15	8379.15	8379.15	8379.15	7243.38	7507.80	7796.76	7821.31	7821.31	4191.03	4192.93	4192.93	4192.93	4192.93	6110.41	6359.80	6444.44	6461.12
Balance Useful life of the asset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remaining Depreciable Value (Rs. in lakh)	8317.02	8277.51	8031.78	7731.29	7405.64	7243.38	7489.67	7552.31	7314.44	7026.99	4180.69	4055.69	3928.71	3801.72	3669.49	6110.41	6190.40	6081.90	5902.87
Depreciation (Rs. in lakh)	101.65	245.73	245.73	245.73	245.73	18.13	226.32	235.85	236.59	236.59	126.91	126.98	126.98	126.98	126.98	169.39	193.15	195.70	196.18

Annexure-X

(Rs. in lakh)

	Asset-I					Asset-II					Asst-III					Asset-IV			
	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2005-06	2006-07	2007-08	2008-09
1/10th of Gross Loan(s)	731.08	740.74	740.74	740.74	740.74	624.01	624.01	665.14	668.96	668.96	372.87	373.17	373.17	373.17	373.17	508.80	537.02	547.60	550.19
Repayment of the Loan	101.65	245.73	300.49	325.65	354.08	18.13	226.32	262.41	287.45	321.07	126.91	126.98	130.05	139.50	150.17	169.39	193.15	195.70	217.24
Minimum of the above	101.65	245.73	300.49	325.65	354.08	18.13	226.32	262.41	287.45	321.07	126.91	126.98	130.05	139.50	150.17	169.39	193.15	195.70	217.24
Depreciation during the year	101.65	245.73	245.73	245.73	245.73	18.13	226.32	235.85	236.59	236.59	126.91	126.98	126.98	126.98	126.98	169.39	193.15	195.70	196.18
(A) Difference	0.00	0.00	54.76	79.93	108.35	0.00	0.00	26.56	50.86	84.48	0.00	0.00	3.06	12.52	23.19	0.00	0.00	0.00	21.06
Cumulative Repayment of the Loan	104.57	350.30	650.78	976.44	1330.52	19.88	246.20	508.61	796.06	1117.14	126.91	253.89	383.94	523.44	673.61	172.47	365.62	561.33	778.56
Cumulative Depreciation/ Advance against Depreciation	101.65	347.38	593.10	893.59	1219.24	18.13	244.45	480.30	743.45	1030.91	137.24	264.23	391.21	518.20	650.42	169.39	362.54	558.24	754.42
(B) Difference	2.92	2.92	57.68	82.85	111.27	1.75	1.75	28.31	52.61	86.23	-10.34	-10.34	-7.27	5.24	23.19	3.08	3.08	3.08	24.14
Advance against Depreciation Minimum of (A) and (B)	0.00	0.00	54.76	79.93	108.35	0.00	0.00	26.56	50.86	84.48	0.00	0.00	0.00	5.24	23.19	0.00	0.00	0.00	21.06

Annexure-XI
(Rs. in lakh)

	Asset-I					Asset-II					Asset-III					Asset-IV			
	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2005-06	2006-07	2007-08	2008-09
Maintenance Spares	91.72	94.01	99.65	105.63	111.97	80.48	80.88	85.74	90.88	96.33	46.10	48.87	51.80	54.90	58.20	65.88	69.50	73.67	78.09
O & M expenses	12.30	12.79	13.32	13.83	14.41	15.25	15.86	16.51	17.15	17.85	7.42	7.72	8.03	8.34	8.69	9.91	10.32	10.71	11.16
Receivables	164.41	165.26	173.61	176.61	180.17	163.45	168.78	178.23	181.89	186.57	83.10	82.95	82.71	83.24	85.94	131.78	136.00	136.84	139.94
Total	268.43	272.06	286.58	296.07	306.54	259.18	265.53	280.47	289.92	300.76	136.62	139.53	142.54	146.49	152.83	207.57	215.82	221.22	229.19
Rate of Interest	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%
Interest	11.46	27.89	29.37	30.35	31.42	2.21	27.22	28.75	29.72	30.83	14.00	14.30	14.61	15.02	15.67	19.50	22.12	22.68	23.49

Annexure-XII
(Rs. in lakh)

	Asset-I					Asset-II					Asset-III					Asset-IV			
	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2004-05	2005-06	2006-07	2007-08	2008-09	2005-06	2006-07	2007-08	2008-09
Depreciation	101.65	245.73	245.73	245.73	245.73	18.13	226.32	235.85	236.59	236.59	126.91	126.98	126.98	126.98	126.98	169.39	193.15	195.70	196.18
Interest on Loan	126.63	298.04	285.53	271.39	256.25	25.04	303.37	301.14	288.32	273.17	138.93	133.99	128.46	122.27	115.77	226.63	246.83	240.07	230.17
Return on Equity	109.79	266.38	266.38	266.38	266.38	21.09	265.47	278.96	280.10	280.10	129.71	129.79	129.79	129.79	129.79	200.23	230.07	234.02	234.80
Advance against Depreciation	0.00	0.00	54.76	79.93	108.35	0.00	0.00	26.56	50.86	84.48	0.00	0.00	0.00	5.24	23.19	0.00	0.00	0.00	21.06
Interest on Working Capital	11.46	27.89	29.37	30.35	31.42	2.21	27.22	28.75	29.72	30.83	14.00	14.30	14.61	15.02	15.67	19.50	22.12	22.68	23.49
O & M Expenses	61.50	153.49	159.86	165.90	172.87	15.25	190.32	198.11	205.75	214.24	89.06	92.62	96.41	100.13	104.26	109.04	123.85	128.57	133.93
Total	411.03	991.53	1041.64	1059.67	1081.00	81.72	1012.69	1069.37	1091.34	1119.42	498.61	497.70	496.26	499.44	515.67	724.79	816.02	821.03	839.62