# CENTRAL ELECTRICITY REGULATORY COMMISSION NEW DELHI

## Coram:

- 1. Shri Bhanu Bhushan, Member
- 2. Shri R.Krishnamoorthy, Member

**Petition No.103/2007** 

## In the matter of

Petition for determination of final transmission tariff of (i) 40% series compensation on Meramundali-Jeypore 400 kV S/C transmission line at Jeypore (Eastern Region scheme) (ii) 50% Fixed Series Compensation on 400 kV Jeypore-Gazuwaka D/C transmission line at Jeypore (inter-regional scheme between ER and SR) associated with augmentation of capacity of Gazuwaka HVDC back-to-back project for the period from 1.1.2007 31.3.2009.

#### And in the matter of

Power Grid Corporation of India Limited

....Petitioner

Vs

- 1. Bihar State Electricity Board, Patna
- 2. West Bengal State Electricity Board, Kolkata
- 3. Orissa Power Transmission Corporation Ltd., Bhubaneshwar
- 4. Damodar Valley Corporation, Kolkata
- 5. Power Department, Govt. of Sikkim, Gangtok
- 6. Jharkhand State Electricity Board, Ranchi
- 7. Karnataka Power Transmission Corporation Ltd., Bangalore
- 8. Transmission Corporation of Andhra Pradesh, Hyderabad
- 9. Kerala State Electricity Board, Thiruvanathapuram
- 10. Tamil Nadu Electricity Board, Chennai
- 11. Electricity Deptt, Government of Pondicherry, Pondicherry . Respondents

#### ORDER

The Commission by its order dated 19.5.2008 had allowed tariff for (i) 40% series compensation on Meramundali-Jeypore 400 kV S/C transmission line at Jeypore (Eastern Region scheme) (Asset-I), and (ii) 50% Fixed Series Compensation on 400 kV Jeypore-Gazuwaka D/C transmission line at Jeypore (Inter-regional scheme between ER and SR) (Asset-II) (collectively referred to as `the transmission assets`), associated with augmentation of capacity of Gazuwaka HVDC back-to-back project for the period from 1.1.2007 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") after accounting for additional capitalization during 2006-07. The summary of tariff awarded is given as under:

(Rs. in lakh)

		Asset-I		Asset-II		
	2006-07 (Pro rata)	2007-08	2008-09	2006-07 (Pro rata)	2008-09	
Depreciation	14.02	57.44	57.44	22.59	92.09	92.09
Interest on Loan	22.03	87.09	81.84	34.65	136.36	128.10
Return on Equity	15.22	62.49	62.49	24.09	98.37	98.37
Advance against Depreciation	0.00	4.38	8.87	0.00	4.73	13.05
Interest on Working Capital	1.49	6.14	6.26	2.45	10.02	10.24
O & M Expenses	7.61	31.63	32.90	15.21	63.26	65.80
Total	60.37	249.16	249.80	98.99	404.84	407.66

- 2. Certain inadvertent mathematical errors in the computation of repayment of loan during 2008-09 and consequently the interest on loan component of tariff have been brought to the Commission's notice. Through this order these errors are proposed to be rectified.
- 3. In the order dated 19.5.2008, during 2008-09, repayment of loan for Asset-I was considered as Rs. 66.31 lakh and for Asset-II as Rs. 105.14 lakh. However, actual repayments during the year work out to Rs. 64.21 lakh and Rs. 100.65 lakh for Asset-I and Asset-II respectively. The errors occurred because of the computational logic slip-up. Therefore, the interest on loan component of tariff in respect of the transmission assets is being revised as under, which will supersede the interest on loan allowed under para 24 of the order dated 19.5.2008:

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## **INTEREST ON LOAN**

(Rs. in lakh)

	,	Asset-I			Asset-II	
Details of loan	<b>2006-07</b> (Pro rata)	2007-08	2008-09	<b>2006-07</b> (Pro rata)	2007-08	2008-09
Opening Gross Loan	1131.00	1184.04	1184.04	1788.00	1855.54	1855.54
Cumulative Repayment	47.00	61.02	122.83	74.24	96.83	193.66
Net Loan-Opening	1084.00	1123.02	1061.21	1713.76	1758.71	1661.89
Additions due to Additional Capitalisation	53.04			67.54		
Repayment during the year	14.02	61.81	64.21	22.59	96.83	100.65
Net Loan-Closing	1123.02	1061.21	997.00	1758.71	1661.89	1561.24
Average Loan	1103.51	1092.11	1029.10	1736.24	1710.30	1611.56
Weighted Average Rate of Interest on Loan	7.98%	7.97%	7.96%	7.98%	7.97%	7.96%
Interest	22.03	87.09	81.93	34.65	136.36	128.28

4. The revised detailed calculations in support of the weighted average rate of interest are contained in Annexure-I and Annexure-II attached.

## **ADVANCE AGAINST DEPECIATION**

5. Consequent to revision of repayment of loan for the year 2008-09, the petitioner's entitlement to Advance Against Deprecation has also been recalculated and the relevant details are reproduced hereunder, which will supersede the Advance Against Deprecation allowed under para 28 of the order dated 19.5.2008:

(Rs. in lakh)

Advance against Depreciation		Asset-I		,	Asset-II	
	2006-07 (Pro rata)	2007-08	2008-09	2006-07 (Pro rata)	2007-08	2008-09
1/10th of Gross Loan(s)	113.10	118.40	118.40	178.80	185.55	185.55
Repayment of the Loan	14.02	61.81	64.21	22.59	96.83	100.65
Minimum of the above	14.02	61.81	64.21	22.59	96.83	100.65
Depreciation during the year	14.02	57.44	57.44	22.59	92.09	92.09
(A) Difference	0.00	4.38	6.77	0.00	4.73	8.55
Cumulative Repayment of the Loan	61.02	122.83	187.04	96.83	193.66	294.30
Cumulative Depreciation/ Advance against Depreciation	14.02	71.45	133.27	22.59	114.68	211.51
(B) Difference	47.00	51.38	53.77	74.24	78.97	82.79
Advance Against Depreciation: Minimum of (A) and (B)	0.00	4.38	6.77	0.00	4.73	8.55

## **INTEREST ON WORKING CAPITAL**

6. The revision of above noted two components of tariff, namely, interest on loan and Advance Against Depreciation, has also resulted in marginal adjustments in

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interest on working capital. The petitioner's entitlement to interest on working capital, as revised, which will supersede the interest on working capital allowed in para 37 of the order dated 19.5.2008 is given hereunder.

(Rs. in lakh)

		Asset-I			Asset-II	
	2006-07 (Pro rata)	2007-08	2008-09	2006-07 (Pro rata)	2007-08	2008-09
Maintenance Spares	15.55	15.78	16.73	24.62	24.99	26.49
O & M expenses	2.54	2.64	2.74	5.07	5.27	5.48
Receivables	40.25	41.53	41.29	65.99	67.47	67.21
Total	58.33	59.94	60.76	95.68	97.73	99.18
Rate of Interest	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%
Interest	1.49	6.14	6.23	2.45	10.02	10.17

7. The revised transmission charges being allowed in respect of transmission assets in suppression of the transmission charges approved under order dated 19.5.2008 are summarised below:

(Rs. in lakh)

		Asset-I		Asset-II			
	2006-07 (Pro rata)	2007-08	2008-09	2006-07 (Pro rata)	2007-08	2008-09	
Depreciation	14.02	57.44	57.44	22.59	92.09	92.09	
Interest on Loan	22.03	87.09	81.93	34.65	136.36	128.28	
Return on Equity	15.22	62.49	62.49	24.09	98.37	98.37	
Advance against Depreciation	0.00	4.38	6.77	0.00	4.73	8.55	
Interest on Working Capital	1.49	6.14	6.23	2.45	10.02	10.17	
O & M Expenses	7.61	31.63	32.90	15.21	63.26	65.80	
Total	60.37	249.16	247.75	98.99	404.84	403.26	

8. In all other respects order dated 19.5.2008 shall continue to apply.

Sd/(R.KRISHNAMOORTHY)
MEMBER
New Delhi dated the 21<sup>st</sup> August 2008

sd/-(BHANU BHUSHAN) MEMBER

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40% series compensation on Meramundali-Jeypore 400 kV S/C transmission line at Jeypore

# **CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN**

(Rs. in lakh)

	Details of Loan	2006-07	2007-08	2008-09
1	Bond-XII			
	Gross Loan opening	37.00	37.00	37.00
	Cumulative Repayment upto DOCO/previous year	3.08	6.16	9.24
	Net Loan-Opening	33.92	30.84	27.76
	Additions during the year	0.00	0.00	0.00
	Repayment during the year	3.08	3.08	3.08
	Net Loan-Closing	30.84	27.76	24.68
	Average Loan	32.38	29.30	26.22
	Rate of Interest	9.70%	9.70%	9.70%
	Interest	3.14	2.84	2.54
	Repayment Schedule	12 Annual in	stalments fro	m 28.3.2006
2	Bond-XIII Option-I			
	Gross Loan opening	455.00	455.00	455.00
	Cumulative Repayment upto DOCO/previous year	37.92	37.92	75.84
	Net Loan-Opening	417.08	417.08	379.16
	Additions during the year	0.00	0.00	0.00
	Repayment during the year	0.00	37.92	37.92
	Net Loan-Closing	417.08	379.16	341.24
	Average Loan	417.08	398.12	360.20
	Rate of Interest	8.63%	8.63%	8.63%
	Interest	35.99	34.36	31.09
	Repayment Schedule	12 Annual in	stalments fro	m 31.7.2006
3	Bond-XV			
	Gross Loan opening	184.00	184.00	184.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	15.33
	Net Loan-Opening	184.00	184.00	168.67
	Additions during the year	0.00	0.00	0.00
	Repayment during the year	0.00	15.33	15.33
	Net Loan-Closing	184.00	168.67	153.34
	Average Loan	184.00	176.34	161.01
	Rate of Interest	6.68%	6.68%	6.68%
	Interest	12.29	11.78	10.76
	Repayment Schedule	12 Annual in	stalments fro	m 23-2-2008
4	Bond- XVI			
	Gross Loan opening	23.00	23.00	23.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00
	Net Loan-Opening	23.00	23.00	23.00
	Additions during the year	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	2.30
	Net Loan-Closing	23.00	23.00	20.70
	Average Loan	23.00	23.00	21.85
	Rate of Interest	7.10%	7.10%	7.10%
	Interest	1.63	1.63	1.55
	Repayment Schedule			om 18-02-2009
5	Bond- XVII			
-	Gross Loan opening	213.00	213.00	213.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00
	Net Loan-Opening	213.00	213.00	213.00

Repayment during the year   0.00   0.00   0.00   0.00   Net Loan-Closing   213.00   213.00   213.00   213.00   213.00   213.00   213.00   213.00   213.00   213.00   213.00   213.00   213.00   213.00   213.00   Rate of Interest   7.39%		Additions during the year	0.00	0.00	0.00
Average Loan   213.00   213.00   213.00   Rate of Interest   7.39%			0.00	0.00	0.00
Rate of Interest		Net Loan-Closing	213.00	213.00	213.00
Interest   15.74   15.74   15.74   Repayment Schedule   10 Annual Instalments from 22.9.2009		Average Loan	213.00	213.00	213.00
Repayment Schedule         10 Annual Instalments from 22.9.2009           6 Bond- XVIII         Image: Company of the payment of the		Rate of Interest	7.39%	7.39%	7.39%
6 Bond- XVIII         Gross Loan opening         183.00		Interest	15.74	15.74	15.74
Gross Loan opening         183.00         183.00         183.00           Cumulative Repayment upto DOCO/previous year         0.00         0.00         0.00           Net Loan-Opening         183.00         183.00         183.00           Additions during the year         0.00         0.00         0.00           Repayment during the year         0.00         0.00         0.00           Net Loan-Closing         183.00         183.00         183.00           Average Loan         183.00         183.00         183.00           Rate of Interest         8.15%         8.15%         8.15%           Interest         14.91         14.91         14.91           Repayment Schedule         12 annual inatalments from 09-03-2010           7 OBC         12 annual inatalments from 09-03-2010           Gross Loan opening         36.00         36.00         36.00           Cumulative Repayment upto DOCO/previous year         6.00         36.00         36.00           Net Loan-Opening         30.00         3.00         3.00           Repayment during the year         3.00         3.00         3.00           Average Loan         28.50         22.50           Rate of Interest         9.10%         9.10%<		Repayment Schedule	10 Annual In:	stalments fro	m 22.9.2009
Cumulative Repayment upto DOCO/previous year         0.00         0.00         0.00         0.00         0.00           Net Loan-Opening         183.00         183.00         183.00         183.00         183.00           Additions during the year         0.00         0.00         0.00           Repayment during the year         0.00         0.00         0.00           Net Loan-Closing         183.00         183.00         183.00           Average Loan         183.00         183.00         183.00           Rate of Interest         14.91         14.91         14.91           Interest         12 annual inatalments from 09-03-2010         7           PBC         12 annual inatalments from 09-03-2010         7           OBC         12 annual inatalments from 09-03-2010         12 annual inatalments from 09-03-2010           Cumulative Repayment upto DOCO/previous year         6.00         36.00         36.00           Cumulative Repayment upto DOCO/previous year         6.00         9.00         12.00           Net Loan-Opening         30.00         30.00         3.00           Average Loan         27.00         24.00         21.00           Average Loan         22.50         22.50         22.50           <	6	Bond- XVIII			
Cumulative Repayment upto DOCO/previous year         0.00         0.00         0.00         0.00         0.00           Net Loan-Opening         183.00         183.00         183.00         183.00         183.00           Additions during the year         0.00         0.00         0.00           Repayment during the year         0.00         0.00         0.00           Net Loan-Closing         183.00         183.00         183.00           Average Loan         183.00         183.00         183.00           Rate of Interest         14.91         14.91         14.91           Interest         12 annual inatalments from 09-03-2010         7           PBC         12 annual inatalments from 09-03-2010         7           OBC         12 annual inatalments from 09-03-2010         12 annual inatalments from 09-03-2010           Cumulative Repayment upto DOCO/previous year         6.00         36.00         36.00           Cumulative Repayment upto DOCO/previous year         6.00         9.00         12.00           Net Loan-Opening         30.00         30.00         3.00           Average Loan         27.00         24.00         21.00           Average Loan         22.50         22.50         22.50           <		Gross Loan opening	183.00	183.00	183.00
Additions during the year   0.00   0.00   0.00   0.00     Repayment during the year   0.00   0.00   0.00   0.00     Net Loan-Closing   183.00   1		Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00
Repayment during the year   0.00   0.00   0.00     Net Loan-Closing   183.00   183.00   183.00     Average Loan   183.00   183.00   183.00     Rate of Interest   8.15%   8.15%   8.15%     Interest   14.91   14.91   14.91     Repayment Schedule   12 annual inatalments from 09-03-2010     TOBC		Net Loan-Opening	183.00	183.00	183.00
Net Loan-Closing         183.00         183.00         183.00           Average Loan         183.00         183.00         183.00           Rate of Interest         8.15%         8.15%         8.15%           Interest         14.91         14.91         14.91           Repayment Schedule         12 annual inatalments from 09-03-2010           7 OBC         1           Gross Loan opening         36.00         36.00           Cumulative Repayment upto DOCO/previous year         6.00         9.00         12.00           Net Loan-Opening         30.00         27.00         24.00           Additions during the year         0.00         0.00         0.00           Repayment during the year         3.00         3.00         3.00           Net Loan-Closing         27.00         24.00         21.00           Average Loan         28.50         25.50         22.50           Rate of Interest         9.10%         9.10%         9.10%           Interest         2.59         2.32         2.05           Repayment Schedule         12 Annual Instalments from 22.3.2005           Total Loan         131.00         1131.00         1131.00           Cumulative Repayment upto DOCO/previous				0.00	0.00
Average Loan		Repayment during the year		0.00	
Rate of Interest         8.15%         8.15%         8.15%           Interest         14.91         14.91         14.91           Repayment Schedule         12 annual inatalments from 09-03-2010           7 OBC		Net Loan-Closing	183.00	183.00	183.00
Interest		Average Loan	183.00	183.00	183.00
Repayment Schedule		Rate of Interest	8.15%	8.15%	8.15%
7 OBC         Gross Loan opening         36.00         36.00         36.00           Cumulative Repayment upto DOCO/previous year         6.00         9.00         12.00           Net Loan-Opening         30.00         27.00         24.00           Additions during the year         0.00         0.00         0.00           Repayment during the year         3.00         3.00         3.00           Net Loan-Closing         27.00         24.00         21.00           Average Loan         28.50         25.50         22.50           Rate of Interest         9.10%         9.10%         9.10%           Interest         2.59         2.32         2.05           Repayment Schedule         12 Annual Instalments from 22.3.2005           Total Loan         1131.00         1131.00         1131.00           Gross Loan opening         1131.00         1131.00         1131.00           Cumulative Repayment upto DOCO/previous year         47.00         53.08         112.41           Net Loan-Opening         1084.00         1077.92         1018.59           Additions during the year         6.08         59.33         61.63           Net Loan-Closing         1077.92         1018.59         956.96		Interest	14.91	14.91	14.91
Gross Loan opening         36.00         36.00         36.00           Cumulative Repayment upto DOCO/previous year         6.00         9.00         12.00           Net Loan-Opening         30.00         27.00         24.00           Additions during the year         0.00         0.00         0.00           Repayment during the year         3.00         3.00         3.00           Net Loan-Closing         27.00         24.00         21.00           Average Loan         28.50         25.50         22.50           Rate of Interest         9.10%         9.10%         9.10%           Interest         2.59         2.32         2.05           Repayment Schedule         12 Annual Instalments from 22.3.2005           Total Loan         131.00         1131.00         1131.00           Gross Loan opening         1131.00         1131.00         1131.00           Cumulative Repayment upto DOCO/previous year         47.00         53.08         112.41           Net Loan-Opening         1084.00         1077.92         1018.59           Additions during the year         6.08         59.33         61.63           Net Loan-Closing         1077.92         1018.59         956.96           Aver		Repayment Schedule	12 annual ina	atalments fro	m 09-03-2010
Cumulative Repayment upto DOCO/previous year         6.00         9.00         12.00           Net Loan-Opening         30.00         27.00         24.00           Additions during the year         0.00         0.00         0.00           Repayment during the year         3.00         3.00         3.00           Net Loan-Closing         27.00         24.00         21.00           Average Loan         28.50         25.50         22.50           Rate of Interest         9.10%         9.10%         9.10%           Interest         2.59         2.32         2.05           Repayment Schedule         12 Annual Instalments from 22.3.2005           Total Loan         1131.00         1131.00         1131.00           Gross Loan opening         1131.00         1131.00         1131.00           Cumulative Repayment upto DOCO/previous year         47.00         53.08         112.41           Net Loan-Opening         1084.00         1077.92         1018.59           Additions during the year         6.08         59.33         61.63           Net Loan-Closing         1077.92         1018.59         956.96           Average Loan         1080.96         1048.26         987.78           Rate	7	OBC			
Net Loan-Opening       30.00       27.00       24.00         Additions during the year       0.00       0.00       0.00         Repayment during the year       3.00       3.00       3.00         Net Loan-Closing       27.00       24.00       21.00         Average Loan       28.50       25.50       22.50         Rate of Interest       9.10%       9.10%       9.10%         Interest       2.59       2.32       2.05         Repayment Schedule       12 Annual Instalments from 22.3.2005         Total Loan       1131.00       1131.00       1131.00         Gross Loan opening       1131.00       1131.00       1131.00         Cumulative Repayment upto DOCO/previous year       47.00       53.08       112.41         Net Loan-Opening       1084.00       1077.92       1018.59         Additions during the year       0.00       0.00       0.00         Repayment during the year       6.08       59.33       61.63         Net Loan-Closing       1077.92       1018.59       956.96         Average Loan       1080.96       1048.26       987.78         Rate of Interest       7.98%       7.97%       7.96%			36.00	36.00	36.00
Additions during the year       0.00       0.00       0.00         Repayment during the year       3.00       3.00       3.00         Net Loan-Closing       27.00       24.00       21.00         Average Loan       28.50       25.50       22.50         Rate of Interest       9.10%       9.10%       9.10%         Interest       2.59       2.32       2.05         Repayment Schedule       12 Annual Instalments from 22.3.2005         Total Loan       1131.00       1131.00       1131.00         Cumulative Repayment upto DOCO/previous year       47.00       53.08       112.41         Net Loan-Opening       1084.00       1077.92       1018.59         Additions during the year       0.00       0.00       0.00         Repayment during the year       6.08       59.33       61.63         Net Loan-Closing       1077.92       1018.59       956.96         Average Loan       1080.96       1048.26       987.78         Rate of Interest       7.98%       7.97%       7.96%					
Repayment during the year       3.00       3.00       3.00         Net Loan-Closing       27.00       24.00       21.00         Average Loan       28.50       25.50       22.50         Rate of Interest       9.10%       9.10%       9.10%         Interest       2.59       2.32       2.05         Repayment Schedule       12 Annual Instalments from 22.3.2005         Total Loan       1131.00       1131.00       1131.00         Cumulative Repayment upto DOCO/previous year       47.00       53.08       112.41         Net Loan-Opening       1084.00       1077.92       1018.59         Additions during the year       0.00       0.00       0.00         Repayment during the year       6.08       59.33       61.63         Net Loan-Closing       1077.92       1018.59       956.96         Average Loan       1080.96       1048.26       987.78         Rate of Interest       7.98%       7.97%       7.96%			30.00	27.00	24.00
Net Loan-Closing       27.00       24.00       21.00         Average Loan       28.50       25.50       22.50         Rate of Interest       9.10%       9.10%       9.10%         Interest       2.59       2.32       2.05         Repayment Schedule       12 Annual Instalments from 22.3.2005         Total Loan       1131.00       1131.00       1131.00         Cumulative Repayment upto DOCO/previous year       47.00       53.08       112.41         Net Loan-Opening       1084.00       1077.92       1018.59         Additions during the year       0.00       0.00       0.00         Repayment during the year       6.08       59.33       61.63         Net Loan-Closing       1077.92       1018.59       956.96         Average Loan       1080.96       1048.26       987.78         Rate of Interest       7.98%       7.97%       7.96%					
Average Loan       28.50       25.50       22.50         Rate of Interest       9.10%       9.10%       9.10%         Interest       2.59       2.32       2.05         Repayment Schedule       12 Annual Instalments from 22.3.2005         Total Loan       1131.00       1131.00       1131.00         Cumulative Repayment upto DOCO/previous year       47.00       53.08       112.41         Net Loan-Opening       1084.00       1077.92       1018.59         Additions during the year       0.00       0.00       0.00         Repayment during the year       6.08       59.33       61.63         Net Loan-Closing       1077.92       1018.59       956.96         Average Loan       1080.96       1048.26       987.78         Rate of Interest       7.98%       7.97%       7.96%					
Rate of Interest       9.10%       9.10%       9.10%         Interest       2.59       2.32       2.05         Repayment Schedule       12 Annual Instalments from 22.3.2005         Total Loan       1131.00       1131.00         Gross Loan opening       1131.00       1131.00         Cumulative Repayment upto DOCO/previous year       47.00       53.08       112.41         Net Loan-Opening       1084.00       1077.92       1018.59         Additions during the year       0.00       0.00       0.00         Repayment during the year       6.08       59.33       61.63         Net Loan-Closing       1077.92       1018.59       956.96         Average Loan       1080.96       1048.26       987.78         Rate of Interest       7.98%       7.97%       7.96%					
Interest   2.59   2.32   2.05     Repayment Schedule   12 Annual Instalments from 22.3.2005     Total Loan			28.50		
Repayment Schedule         Total Loan       1131.00 1131.00 1131.00 1131.00         Gross Loan opening       1131.00 1131.00 1131.00       1131.00 1131.00         Cumulative Repayment upto DOCO/previous year       47.00 53.08 112.41       112.41         Net Loan-Opening       1084.00 1077.92 1018.59       1018.59         Additions during the year       6.08 59.33 61.63       61.63         Net Loan-Closing       1077.92 1018.59 956.96         Average Loan       1080.96 1048.26 987.78         Rate of Interest       7.98% 7.97% 7.96%		Rate of Interest	9.10%		9.10%
Total Loan         Coross Loan opening         1131.00<		Interest	2.59	2.32	2.05
Gross Loan opening         1131.00         1131.00         1131.00           Cumulative Repayment upto DOCO/previous year         47.00         53.08         112.41           Net Loan-Opening         1084.00         1077.92         1018.59           Additions during the year         0.00         0.00         0.00           Repayment during the year         6.08         59.33         61.63           Net Loan-Closing         1077.92         1018.59         956.96           Average Loan         1080.96         1048.26         987.78           Rate of Interest         7.98%         7.97%         7.96%		Repayment Schedule	12 Annual In:	stalments fro	m 22.3.2005
Cumulative Repayment upto DOCO/previous year         47.00         53.08         112.41           Net Loan-Opening         1084.00         1077.92         1018.59           Additions during the year         0.00         0.00         0.00           Repayment during the year         6.08         59.33         61.63           Net Loan-Closing         1077.92         1018.59         956.96           Average Loan         1080.96         1048.26         987.78           Rate of Interest         7.98%         7.97%         7.96%		Total Loan			
Net Loan-Opening       1084.00       1077.92       1018.59         Additions during the year       0.00       0.00       0.00         Repayment during the year       6.08       59.33       61.63         Net Loan-Closing       1077.92       1018.59       956.96         Average Loan       1080.96       1048.26       987.78         Rate of Interest       7.98%       7.97%       7.96%		Gross Loan opening	1131.00	1131.00	1131.00
Additions during the year       0.00       0.00       0.00         Repayment during the year       6.08       59.33       61.63         Net Loan-Closing       1077.92       1018.59       956.96         Average Loan       1080.96       1048.26       987.78         Rate of Interest       7.98%       7.97%       7.96%					112.41
Repayment during the year       6.08       59.33       61.63         Net Loan-Closing       1077.92       1018.59       956.96         Average Loan       1080.96       1048.26       987.78         Rate of Interest       7.98%       7.97%       7.96%		Net Loan-Opening	1084.00	1077.92	1018.59
Net Loan-Closing       1077.92       1018.59       956.96         Average Loan       1080.96       1048.26       987.78         Rate of Interest       7.98%       7.97%       7.96%			0.00		0.00
Average Loan         1080.96         1048.26         987.78           Rate of Interest         7.98%         7.97%         7.96%				59.33	61.63
Rate of Interest 7.98% 7.97% 7.96%		Net Loan-Closing	1077.92	1018.59	956.96
		Average Loan	1080.96	1048.26	987.78
Interest         86.31         83.59         78.64		Rate of Interest	7.98%	7.97%	7.96%
		Interest	86.31	83.59	78.64

(Rs. in lakh)

	Details of Lean	2000 07	2007.00	(Rs. in lakh)
<u> </u>	Details of Loan	2006-07	2007-08	2008-09
1	Bond-XII	50.00	50.00	50.00
	Gross Loan opening	58.00	58.00	58.00
	Cumulative Repayment upto DOCO/previous	4.83	9.66	14.49
	year			
	Net Loan-Opening	53.17	48.34	43.51
<u> </u>	Additions during the year	0.00	0.00	0.00
	Repayment during the year	4.83	4.83	4.83
	Net Loan-Closing	48.34	43.51	38.68
	Average Loan	50.76	45.93	41.10
	Rate of Interest	9.70%	9.70%	9.70%
	Interest	4.92	4.45	3.99
<u> </u>	Repayment Schedule	12 Annual in	stalments from	1 28.3.2006
2	Bond-XIII Option-I	704.00	=24.00	
	Gross Loan opening	721.00	721.00	721.00
	Cumulative Repayment upto DOCO/previous year	60.08	60.08	120.16
	Net Loan-Opening	660.92	660.92	600.84
	Additions during the year	0.00	0.00	0.00
	Repayment during the year	0.00	60.08	60.08
	Net Loan-Closing	660.92	600.84	540.76
	Average Loan	660.92	630.88	570.80
	Rate of Interest	8.63%	8.63%	8.63%
	Interest	57.04	54.44	49.26
	Repayment Schedule		stalments from	
3	Bond-XV			
	Gross Loan opening	291.00	291.00	291.00
	Cumulative Repayment upto DOCO/previous	0.00	0.00	24.25
	year			
	Net Loan-Opening	291.00	291.00	266.75
	Additions during the year	0.00	0.00	0.00
	Repayment during the year	0.00	24.25	24.25
	Net Loan-Closing	291.00	266.75	242.50
	Average Loan	291.00	278.88	254.63
	Rate of Interest	6.68%	6.68%	6.68%
	Interest	19.44	18.63	17.01
	Repayment Schedule	12 Annual in	stalments from	
4	Bond- XVI			
	Gross Loan opening	37.00	37.00	37.00
	Cumulative Repayment upto DOCO/previous	0.00	0.00	0.00
	year			
	Net Loan-Opening	37.00	37.00	37.00
	Additions during the year	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	3.70
	Net Loan-Closing	37.00	37.00	33.30
	Average Loan	37.00	37.00	35.15
	Rate of Interest	7.10%	7.10%	7.10%
	Interest	2.63	2.63	2.50
	Repayment Schedule		stalments from	
5	Bond- XVII		2.4	10 2 2000
Ť	Gross Loan opening	337.00	337.00	337.00
Щ_	Cross Loan opening	337.00	337.00	337.00

	Cumulative Repayment upto DOCO/previous	0.00	0.00	0.00
	year	0.00	0.00	0.00
	Net Loan-Opening	337.00	337.00	337.00
	Additions during the year	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00
	Net Loan-Closing	337.00	337.00	337.00
	Average Loan	337.00	337.00	337.00
	Rate of Interest	7.39%	7.39%	7.39%
	Interest	24.90	24.90	24.90
	Repayment Schedule		alments from 2	
-	repayment concaute	10 / tillidal illist	annonto nom 2	2.0.2000
6	Bond- XVIII			
0	—	200.00	200.00	200.00
	Gross Loan opening	288.00	288.00	288.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00
	Net Loan-Opening	288.00	288.00	288.00
	Additions during the year	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00
	Net Loan-Closing	288.00	288.00	288.00
	Average Loan	288.00	288.00	288.00
	Rate of Interest	8.15%	8.15%	8.15%
	Interest	23.47	23.47	23.47
-				
7	Repayment Schedule  OBC	12 annuai inat	alments from 9	9-3-2010
7	_ <del>-</del>	50.00	50.00	50.00
	Gross Loan opening	56.00	56.00	56.00
	Cumulative Repayment upto DOCO/previous year	9.33	14.00	18.67
	Net Loan-Opening	46.67	42.00	37.33
	A LUIZ LO			37.33
	Additions during the year	0.00	0.00	0.00
	Repayment during the year	0.00 4.67	0.00 4.67	
				0.00
	Repayment during the year	4.67	4.67	0.00 4.67
	Repayment during the year  Net Loan-Closing	4.67 42.00 44.34	4.67 37.33	0.00 4.67 32.66
	Repayment during the year Net Loan-Closing Average Loan	4.67 42.00 44.34 9.10%	4.67 37.33 39.67 9.10%	0.00 4.67 32.66 35.00
	Repayment during the year Net Loan-Closing Average Loan Rate of Interest Interest	4.67 42.00 44.34 9.10% 4.03	4.67 37.33 39.67 9.10% 3.61	0.00 4.67 32.66 35.00 9.10% 3.18
	Repayment during the year  Net Loan-Closing  Average Loan  Rate of Interest  Interest  Repayment Schedule	4.67 42.00 44.34 9.10% 4.03	4.67 37.33 39.67 9.10%	0.00 4.67 32.66 35.00 9.10% 3.18
	Repayment during the year  Net Loan-Closing  Average Loan  Rate of Interest  Interest  Repayment Schedule  Total Loan	4.67 42.00 44.34 9.10% 4.03 12 Annual Inst	4.67 37.33 39.67 9.10% 3.61 alments from 2	0.00 4.67 32.66 35.00 9.10% 3.18 22.3.2005
	Repayment during the year  Net Loan-Closing  Average Loan  Rate of Interest Interest  Repayment Schedule  Total Loan  Gross Loan opening	4.67 42.00 44.34 9.10% 4.03 12 Annual Inst	4.67 37.33 39.67 9.10% 3.61 alments from 2	0.00 4.67 32.66 35.00 9.10% 3.18 22.3.2005
	Repayment during the year  Net Loan-Closing  Average Loan  Rate of Interest Interest Repayment Schedule  Total Loan  Gross Loan opening  Cumulative Repayment upto DOCO/previous year	4.67 42.00 44.34 9.10% 4.03 12 Annual Inst 1788.00 74.24	4.67 37.33 39.67 9.10% 3.61 alments from 2 1788.00 83.74	0.00 4.67 32.66 35.00 9.10% 3.18 22.3.2005 1788.00 177.57
	Repayment during the year  Net Loan-Closing  Average Loan  Rate of Interest  Interest  Repayment Schedule  Total Loan  Gross Loan opening  Cumulative Repayment upto DOCO/previous year  Net Loan-Opening	4.67 42.00 44.34 9.10% 4.03 12 Annual Inst 1788.00 74.24	4.67 37.33 39.67 9.10% 3.61 alments from 2 1788.00 83.74	0.00 4.67 32.66 35.00 9.10% 3.18 22.3.2005
	Repayment during the year  Net Loan-Closing  Average Loan  Rate of Interest Interest Repayment Schedule  Total Loan  Gross Loan opening  Cumulative Repayment upto DOCO/previous year	4.67 42.00 44.34 9.10% 4.03 12 Annual Inst 1788.00 74.24	4.67 37.33 39.67 9.10% 3.61 alments from 2 1788.00 83.74	0.00 4.67 32.66 35.00 9.10% 3.18 22.3.2005 1788.00 177.57
	Repayment during the year  Net Loan-Closing  Average Loan  Rate of Interest  Interest  Repayment Schedule  Total Loan  Gross Loan opening  Cumulative Repayment upto DOCO/previous year  Net Loan-Opening	4.67 42.00 44.34 9.10% 4.03 12 Annual Inst 1788.00 74.24	4.67 37.33 39.67 9.10% 3.61 alments from 2 1788.00 83.74	0.00 4.67 32.66 35.00 9.10% 3.18 22.3.2005 1788.00 177.57
	Repayment during the year  Net Loan-Closing  Average Loan  Rate of Interest Interest  Repayment Schedule  Total Loan  Gross Loan opening  Cumulative Repayment upto DOCO/previous year  Net Loan-Opening  Additions during the year	4.67 42.00 44.34 9.10% 4.03 12 Annual Inst 1788.00 74.24 1713.76 0.00	4.67 37.33 39.67 9.10% 3.61 alments from 2 1788.00 83.74 1704.26 0.00	0.00 4.67 32.66 35.00 9.10% 3.18 22.3.2005 1788.00 177.57 1610.43 0.00
	Repayment during the year  Net Loan-Closing  Average Loan  Rate of Interest Interest Repayment Schedule  Total Loan  Gross Loan opening  Cumulative Repayment upto DOCO/previous year  Net Loan-Opening  Additions during the year  Repayment during the year	4.67 42.00 44.34 9.10% 4.03 12 Annual Inst 1788.00 74.24 1713.76 0.00 9.50	4.67 37.33 39.67 9.10% 3.61 alments from 2 1788.00 83.74 1704.26 0.00 93.83	0.00 4.67 32.66 35.00 9.10% 3.18 22.3.2005 1788.00 177.57 1610.43 0.00 97.53
	Repayment during the year  Net Loan-Closing  Average Loan  Rate of Interest Interest Repayment Schedule  Total Loan  Gross Loan opening  Cumulative Repayment upto DOCO/previous year  Net Loan-Opening  Additions during the year  Repayment during the year  Net Loan-Closing	4.67 42.00 44.34 9.10% 4.03 12 Annual Inst 1788.00 74.24 1713.76 0.00 9.50 1704.26	4.67 37.33 39.67 9.10% 3.61 alments from 2 1788.00 83.74 1704.26 0.00 93.83 1610.43	0.00 4.67 32.66 35.00 9.10% 3.18 22.3.2005 1788.00 177.57 1610.43 0.00 97.53 1512.90

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