

**CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI**

Petition No. 141/TT/2014

**Coram:
Shri A.K. Singhal, Member
Shri A.S. Bakshi, Member
Dr. M. K.Iyer, Member**

**Date of Hearing: 27.10.2015
Date of Order : 09.11.2015**

In the Matter of

Approval under Regulation-86 of Central Electricity Regulatory Commission (Conduct of Business) Regulations'1999, Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2009 and Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations' 2014 for determination of (i) Truing up Transmission tariff for 2009-14 tariff block and (ii) Transmission tariff for 2014-19 tariff block for Asset - (a) 400 kV Jeypore- Gazuwaka transmission line along with associated bays; and Asset - (b) 500 MW HVDC back to back stations at Gazuwaka in Southern Region.

And in the Matter of

Power Grid Corporation of India Ltd,
Registered office: B-9, Qutab Institutional Area,
Katwaria Sarai, New Delhi. 110 016.
Corporate Centre : 'SAUDAMINI', Plot No-2,
Sector-29, Gurgaon-122 001 (Haryana).

.....Petitioner

Versus

- 1 Karnataka Power Transmission Corporation Ltd., (KPTCL),
Kaveri Bhavan, Bangalore – 560 009
- 2 Transmission Corporation of Andhra Pradesh Ltd.,
(APTRANSCO), Vidyut Soudha, Hyderabad– 500082



- 3 Kerala State Electricity Board (KSEB)
Vaidyuthi Bhavanam
Pattom, Thiruvananthapuram – 695 004
- 4 Tamil Nadu Generation and Distribution Corporation Ltd
(Formerly Tamilnadu Electricity Board -TNEB)
NPKRR Maaligai, 800, Anna Salai
Chennai – 600 002
- 5 Electricity Department
Govt of Pondicherry,
Pondicherry - 605001
- 6 Eastern Power Distribution Company of Andhra Pradesh
Limited (APEPDCL)
APEPDCL, P&T Colony,
Seethmmadhara, VISHAKHAPATNAM
Andhra Pradesh,
- 7 Southern Power Distribution Company of Andhra Pradesh
Limited (APSPDCL)
Srinivasasa Kalyana Mandapam Backside,
Tiruchanoor Road, Kesavayana Gunta,
TIRUPATI-517 501,
Chittoor District, Andhra Pradesh
- 8 Central Power Distribution Company of Andhra Pradesh
limited (APCPDCL)
Corporate Office, Mint Compound,
HYDERABAD – 500 063
Andhra Pradesh
- 9 Northern Power Distribution Company of Andhra Pradesh
Limited (APNPDCL)
Opp. NIT Petrol Pump
Chaitanyapuri, Kazipet,
WARANGAL – 506 004
Andhra Pradesh
- 10 Bangalore Electricity Supply Company Ltd., (BESCOM),
Corporate Office, K.R.Circle
BANGALORE – 560 001
Karanataka



- 11 Gulbarga Electricity Supply Company Ltd., (GESCOM)
Station Main Road, GULBURGA
Karnataka
- 12 Hubli Electricity Supply Company Ltd., (HESCOM)
Navanagar, PB Road
HUBLI, Karnataka
- 13 MESCOM Corporate Office,
Paradigm Plaza, AB Shetty Circle
MANGALORE – 575 001
Karnataka
- 14 Chamundeswari Electricity Supply Corporation Ltd.,
(CESC)
927,L J Avenue
Ground Floor, New Kantharaj Urs Road
Saraswatipuram, MYSORE – 570 009
KARNATAKA
- 15 Electricity Department
Government of Goa
Vidyuti Bhawan, Panaji
Goa 403001

.....Respondents

The following were present:

For Petitioner : Sh. S.S.Raju, PGCIL
Sh. S.K. Venkatesan, PGCIL
Sh. M.M.Mondal, PGCIL
Sh. S.K.Meena, PGCIL

For Respondents : None

ORDER

The petition has been preferred by Power Grid Corporation of India Ltd, a transmission licensee, for revision of tariff under Regulation 6 of the Central



Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2009 (hereinafter referred to as “the 2009 Tariff Regulations”) based on truing up of expenditure for the period 1.4.2009 to 31.3.2014 and for determination of tariff under Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014 (hereinafter referred to as “the 2014 Tariff Regulations”) for the period from 1.4.2014 to 31.3.2019 in respect of Asset - 1 (400 kV Jeypore-Gazuwaka transmission line along with associated bays) and Asset - 2 (500 MW HVDC back to back stations at Gazuwaka in Southern Region) (hereinafter referred to as “transmission system”).

2. The respondents are distribution licensees, who are procuring transmission service from the petitioner, mainly beneficiaries of Southern Region.

3. The petitioner has built the transmission system in Southern Region and the same has been put under commercial operation w.e.f. dated 1.9.1999 for both the assets. The petitioner had approached the Commission vide Petition No. 297/2010 for determination of tariff for 2009-14 tariff period. The Commission, on 10.5.2011, had approved the tariff based on the admitted capital cost of ₹31640.24 lakh for Asset-1 and ₹33480.93 lakh for Asset-2 respectively as on 31.3.2009 as given below:

<u>Asset-1</u>					
(₹ in lakh)					
Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
Depreciation	1662.56	1662.56	1662.56	168.93	168.93
Interest on Loan	232.15	102.88	19.58	0.00	0.00
Return on Equity	820.95	820.95	820.95	820.95	820.95
Interest on Working	76.61	75.06	74.53	44.27	45.62
O & M Expenses	399.94	422.86	447.07	472.62	499.56
Total	3192.20	3084.30	3024.68	1506.77	1535.06



Asset-2

(₹ in lakh)

Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
Depreciation	1755.42	1755.42	1755.42	291.28	291.28
Interest on Loan	245.80	109.30	21.00	0.00	0.00
Return on Equity	868.70	868.70	868.70	868.70	868.70
Interest on Working	81.97	80.38	79.89	50.34	51.84
O & M Expenses	443.00	468.00	495.00	523.00	553.00
Total	3394.90	3281.81	3220.01	1733.32	1764.82

4. As per Regulation 6 of the 2009 Tariff Regulations, the Commission shall carry out truing up exercise along with the tariff petition filed for the next tariff period, with respect to the capital expenditure including additional capital expenditure incurred up to 31.3.2014, as admitted by the Commission after prudence check at the time of truing up. Further, as per Regulation 15 of the 2009 Tariff Regulations, the petitioner is required to adjust the yearly impact of MAT rate in the truing up petition for 2009-14 tariff period. The petitioner has submitted that in case interest on loan was calculated on basis of prevailing rates for the determination of tariff, any change in the rate of interest subsequently during the tariff period will be considered at the time of truing up. In this context, the petitioner has relied upon the Commission's order dated 8.6.2011 in Petition No. 238/2010.

5. The petitioner has made following submissions in regard to revision of tariff in accordance with Regulation 6 of the 2009 Tariff Regulations for 2009-14:

- a) The additional capital expenditure during the 2009-14 tariff period is NIL and hence, the tariff has been claimed based on the admitted capital cost of ₹ 31640.24 lakh for Asset-1 and ₹33480.93 lakh for Asset-2 respectively by the Commission in order dated 10.5.2011 in Petition No 297/2010;



b) The variation in the tax rate during the 2009-14 tariff period applicable to the petitioner as per the Finance Act of the relevant year for the purpose of grossing up of ROE has been furnished as follows:

Year	MAT Rate (in %)	Grossed up ROE (Base rate/(1-t) (in %))
2009-10	16.995	18.674
2010-11	19.931	19.358
2011-12	20.008	19.377
2012-13	20.008	19.377
2013-14	20.961	19.610

c) The petitioner has claimed the interest on loan based on actual interest rates for each year during the 2009-14 period and also submitted relevant documents vide affidavit dated 26.6.2014.

6. Based on aforesaid, the petitioner has claimed the revision of tariff for 2009-14 tariff period as under:

Asset-1

(₹ in lakh)

Particulars	2009-10	2010 – 11	2011 -12	2012 – 13	2013 - 14
Revised AFC based on truing up for Asset -1	3230.52	3156.97	3112.69	1597.67	1637.12
Revised AFC based on truing up for Asset -2	3435.43	3358.64	3313.09	1829.5	1872.82

7. The petitioner has further claimed the transmission tariff for the period 2014-19 in accordance with the 2014 Tariff Regulations as follows:



(₹ in Lakh)

Period	2014-15	2015-16	2016-17	2017-18	2018-19
Annual Fixed Cost For Asset-1	1597.24	1613.36	1629.85	1646.96	1664.59
Annual Fixed Cost For Asset-2	1904.85	1956.55	2011.43	2071.57	2135.94

8. The petitioner has made following submissions in regard to determination of tariff for 2014-19 :

- a) The depreciation has been claimed in accordance with Regulation 27 of the 2014 Tariff Regulations;
- b) The petitioner has prayed for grossing up of ROE at MAT rate of 20.961% prevailing in 2013-14 which shall be trued up with actual tax rate in accordance with clause 25 (3) of the 2014 Tariff Regulations;
- c) The petitioner has prayed for reimbursement of service tax if it is subjected to such tax in future;
- d) The petitioner has considered interest on loan on the basis of rate prevailing as on 1.4.2014 and prayed that the change in Interest Rate due to floating rate of interest applicable, if any, during 2014-19 period will be adjusted;
- e) The wage revision of the employees of the petitioner company is due during 2014-19 and actual impact of wage hike will be effective from a future date. The scheme of wage revision applicable to CPSUs being binding on the petitioner, the petitioner sought liberty to approach the Commission for suitable revision in the norms for O&M expenditure for claiming the impact of wage hike, if any, during 2014-19.



- f) The petitioner has prayed for recovery of deferred tax liability before 1.4.2009 from the beneficiaries or the long term customers / DICs as and when the same gets materialized.
- g) The petitioner has prayed for recovery of the application fee, filing fee, expenses incurred on publication of Notices in News papers and License fee from the respondents in terms of Regulation 52 Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014. The fees and charges to be paid by the petitioner as ISTS licensee (deemed ISTS licensee) under CERC (Fees and Charges of RLDC and other matters) Regulations as amended from time to time have also been prayed to be recoverable from the DICs as provided under clause 52(2) (a).

9. The petitioner has served the petition to the respondents and notice of this application has been published in the news paper in accordance with the Central Electricity Regulatory Commission (Procedure for making of application for determination of tariff, Publication of the application and other related matters) Regulations, 2004. Further, submissions were made vide affidavit dated 9.9.2014 and 2.11.2015. No submissions have been made by the Respondents. No comments/objections have been received from the public in response to the notice in newspaper. The hearing in this matter was held on 27.10.2015

TRUE UP ANNUAL FIXED CHARGES FOR 2009-14 PERIOD

10. We have considered the submissions of the petitioner in respect of truing up of annual fixed charged for 2009-14 tariff period. The revision of tariff for 2009-14 period has been determined as discussed below:



- a) The capital cost of ₹ 31640.24 lakh for Asset-1 and ₹ 33480.93 lakh for Asset-2 respectively admitted by the Commission as on 31.3.2009 has been considered as opening capital cost as on 1.4.2009 for determination of tariff in accordance with Regulation 7 of the 2009 Tariff Regulations;
- b) The petitioner has not claimed any additional capital expenditure for 2009-14 period;
- c) The Regulation 15 of the 2009 Tariff Regulations provides for the grossing up of ROE with the actual tax rate for the purpose of return on equity. The petitioner has submitted the MAT rate applicable during the various years. Return on equity has been worked out by considering year wise MAT rate submitted by the petitioner in accordance with Regulation 15 of the 2009 Tariff Regulations;
- d) The Commission vide para 27 of its order dated 10.5.2011 in petition 297/2010 had already recognised that both the Assets had completed 12 years in the year 2011-12. Accordingly, depreciation for both the Assets till 2011-12 was provided by straight line method. Depreciation for years 2012-13 to 2013-14 has been calculated based on the remaining depreciable value to be recovered in the balance useful life.
- e) Regulation 16 of the 2009 Tariff Regulations provide the methodology for working out weighted average rate of interest on loan. The Commission in its earlier order dated 8.6.2011 in Petition No. 238/2010 has held that in case of floating rate of interest, any change in the rates of interest during the tariff period will be considered at the time of true up. The Commission vide para 23 of its order dated 10.5.2011 in petition 297/2010 had already



recognised that normative loan for both the Assets has been repaid in the year 2011-12, therefore, no normative interest on loan has been provided beyond the year 2011-12. Accordingly, details of weighted average rate of interest are placed at Annexure-1 & 2 for Asset – 1 & Asset- 2 respectively;

- f) Interest on working Capital and Operation & Maintenance expenses has been considered in accordance with the 2009 Tariff Regulations.

11. Accordingly, the annual fixed charges for the transmission system under the petition has been worked out and allowed as under:

Asset-1

(₹ in lakh)

Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
Gross Block					
Opening Gross Block	31640.24	31640.24	31640.24	31640.24	31640.24
Additional Capitalisation	0.00	0.00	0.00	0.00	0.00
Closing Gross Block	31640.24	31640.24	31640.24	31640.24	31640.24
Average Gross Block	31640.24	31640.24	31640.24	31640.24	31640.24
Depreciation					
Rate of Depreciation	5.2546%	5.2546%	5.2546%	5.2546%	5.2546%
Depreciable Value	28456.29	28456.29	28456.29	28456.29	28456.29
Elapsed Life (Beginning of the year)	9	10	11	12	13
Weighted Balance Useful life of the combine assets	24	23	22	21	20
Remaining Depreciable Value	8535.28	6872.72	5210.17	3547.61	3378.67
Depreciation	1662.56	1662.56	1662.56	168.93	168.93
Interest on Loan					
Gross Normative Loan	26944.03	26944.03	26944.03	26944.03	26944.03
Cumulative Repayment upto Previous Year	23087.31	24749.87	26412.43	26944.03	26944.03
Net Loan-Opening	3856.71	2194.16	531.60	0.00	0.00
Additions	0.00	0.00	0.00	0.00	0.00
Repayment during the year	1662.56	1662.56	531.60	0.00	0.00
Net Loan-Closing	2194.16	531.60	0.00	0.00	0.00
Average Loan	3025.43	1362.88	265.80	0.00	0.00
Weighted Average Rate of Interest on Loan	7.0623%	6.2971%	6.2934%	6.1847%	6.2907%
Interest	213.67	85.82	16.73	0.00	0.00



Return on Equity					
Opening Equity	4696.21	4696.21	4696.21	4696.21	4696.21
Additions	0.00	0.00	0.00	0.00	0.00
Closing Equity	4696.21	4696.21	4696.21	4696.21	4696.21
Average Equity	4696.21	4696.21	4696.21	4696.21	4696.21
Return on Equity (Base Rate)	15.50%	15.50%	15.50%	15.50%	15.50%
MAT rate for the respective year (%)	16.995	19.931	20.008	20.008	20.961
Rate of Return on Equity	18.674%	19.358%	19.377%	19.377%	19.610%
Return on Equity	876.97	909.09	909.99	909.99	920.93
Interest on Working Capital					
Maintenance Spares	59.99	63.43	67.06	70.89	74.93
O & M expenses	33.33	35.24	37.26	39.39	41.63
Receivables	538.42	526.15	518.78	266.28	272.85
Total	631.74	624.81	623.09	376.56	389.42
Interest	77.39	76.54	76.33	46.13	47.70
Annual Transmission Charges					
Depreciation	1662.56	1662.56	1662.56	168.93	168.93
Interest on Loan	213.67	85.82	16.73	0.00	0.00
Return on Equity	876.97	909.09	909.99	909.99	920.93
Interest on Working Capital	77.39	76.54	76.33	46.13	47.70
O & M Expenses	399.94	422.86	447.07	472.62	499.56
Total	3230.52	3156.87	3112.67	1597.67	1637.12

Asset-2

(₹ in lakh)

Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
Gross Block					
Opening Gross Block	33480.93	33480.93	33480.93	33480.93	33480.93
Additional Capitalisation	0.00	0.00	0.00	0.00	0.00
Closing Gross Block	33480.93	33480.93	33480.93	33480.93	33480.93
Average Gross Block	33480.93	33480.93	33480.93	33480.93	33480.93
Depreciation					
Rate of Depreciation	5.2430%	5.2430%	5.2430%	5.2430%	5.2430%
Depreciable Value	30132.84	30132.84	30132.84	30132.84	30132.84
Elapsed Life (Beginning of the year)	9	10	11	12	13
Weighted Balance Useful life of the combine assets	16	15	14	13	12
Remaining Depreciable Value	9052.91	7297.49	5542.07	3786.65	3495.37
Depreciation	1755.42	1755.42	1755.42	291.28	291.28
Interest on Loan					
Gross Normative Loan	28511.51	28511.51	28511.51	28511.51	28511.51
Cumulative Repayment upto Previous Year	24430.43	26185.85	27941.27	28511.51	28511.51
Net Loan-Opening	4081.08	2325.66	570.24	0.00	0.00



Additions	0.00	0.00	0.00	0.00	0.00
Repayment during the year	1755.42	1755.42	570.24	0.00	0.00
Net Loan-Closing	2325.66	570.24	0.00	0.00	0.00
Average Loan	3203.37	1447.95	285.12	0.00	0.00
Weighted Average Rate of Interest on Loan	7.0623%	6.2971%	6.2934%	6.1846%	6.2907%
Interest	226.23	91.18	17.94	0.00	0.00
Return on Equity					
Opening Equity	4969.42	4969.42	4969.42	4969.42	4969.42
Additions	0.00	0.00	0.00	0.00	0.00
Closing Equity	4969.42	4969.42	4969.42	4969.42	4969.42
Average Equity	4969.42	4969.42	4969.42	4969.42	4969.42
Return on Equity (Base Rate)	15.50%	15.50%	15.50%	15.50%	15.50%
MAT rate for the respective year (%)	16.995	19.931	20.008	20.008	20.961
Rate of Return on Equity	18.674%	19.358%	19.377%	19.377%	19.610%
Return on Equity	927.99	961.98	962.92	962.92	974.50
Interest on Working Capital					
Maintenance Spares	66.45	70.20	74.25	78.45	82.95
O & M expenses	36.92	39.00	41.25	43.58	46.08
Receivables	572.57	559.75	552.18	304.92	312.15
Total	675.94	668.95	667.68	426.95	441.17
Interest	82.80	81.95	81.79	52.30	54.04
Annual Transmission Charges					
Depreciation	1755.42	1755.42	1755.42	291.28	291.28
Interest on Loan	226.23	91.18	17.94	0.00	0.00
Return on Equity	927.99	961.98	962.92	962.92	974.50
Interest on Working Capital	82.80	81.95	81.79	52.30	54.04
O & M Expenses	443.00	468.00	495.00	523.00	553.00
Total	3435.44	3358.53	3313.08	1829.51	1872.83

ANNUAL FIXED CHARGES FOR 2014-19

12. We have considered the submissions of the petitioner in respect of tariff for 2014-19 tariff period. The tariff for 2014-19 period has been determined as discussed follows:

- a) The capital cost of ₹ 31640.24 lakh for Asset-1 and ₹ 33480.93 lakh for Asset-2 respectively admitted by the Commission as on 31.3.2014 has been



considered as opening capital cost as on 1.4.2014 for determination of tariff in accordance with Regulation 9 of the 2014 Tariff Regulations;

- b) The petitioner has not claimed any projected additional capital expenditure during 2014-19 period;
- c) The Regulation 24 read with Regulation 25 of the 2014 Tariff Regulations provides the grossing up of return on equity with the effective tax rate for the purpose of return on equity. It further provides that in case the generating company or transmission licensee paying Minimum Alternative Tax (MAT), the MAT rate including surcharge and cess will be considered for the grossing up of return on equity. The petitioner has submitted that MAT rate is applicable to the petitioner's company. Accordingly, the MAT rate applicable during the 2013-14 has been considered for the purpose of return on equity which shall be trued up with actual tax rate in accordance with clause 25 (3) of the 2014 Tariff Regulations;
- d) In the present petition, as the loan has already been repaid prior to 31.3.2014, the petitioner has not claimed any interest on loan. Details of actual loan are placed at Annexure-3 and 4 for Asset -1 and Asset -2 respectively.
- e) As in the present petition Asset -1 & Asset- 2 had completed 12 years prior to 1.4.2014. Accordingly, depreciation for Asset – 1 & Asset – 2 has been spread over based on the remaining depreciable value to be recovered in the balance useful life.
- f) Interest on working Capital and Operation & Maintenance expenses have been considered in accordance with the 2014 Tariff Regulations.



13. Accordingly, the annual fixed charges for the transmission asset under the petition has been worked out and allowed as under:

Asset-1

(₹ in lakh)

Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Gross Block					
Opening Gross Block	31640.24	31640.24	31640.24	31640.24	31640.24
Additional Capitalisation	0.00	0.00	0.00	0.00	0.00
Closing Gross Block	31640.24	31640.24	31640.24	31640.24	31640.24
Average Gross Block	31640.24	31640.24	31640.24	31640.24	31640.24
Depreciation					
Rate of Depreciation	5.2546%	5.2546%	5.2546%	5.2546%	5.2546%
Depreciable Value	28456.29	28456.29	28456.29	28456.29	28456.29
Elapsed Life (Beginning of the year)	14	15	16	17	18
Weighted Balance Useful life of the combine assets	19	18	17	16	15
Remaining Depreciable Value	3209.74	3040.81	2871.87	2702.94	2534.01
Depreciation	168.93	168.93	168.93	168.93	168.93
Interest on Loan					
Gross Normative Loan	26944.03	26944.03	26944.03	26944.03	26944.03
Cumulative Repayment upto Previous Year	26944.03	26944.03	26944.03	26944.03	26944.03
Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
Additions during the year	0.00	0.00	0.00	0.00	0.00
Repayment during the year	0.00	0.00	0.00	0.00	0.00
Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
Average Loan	0.00	0.00	0.00	0.00	0.00
Weighted Average Rate of Interest on Loan	6.1966%	0.00	0.00	0.00	0.00
Interest	0.00	0.00	0.00	0.00	0.00
Return on Equity					
Opening Equity	4696.21	4696.21	4696.21	4696.21	4696.21
Additions	0.00	0.00	0.00	0.00	0.00
Closing Equity	4696.21	4696.21	4696.21	4696.21	4696.21
Average Equity	4696.21	4696.21	4696.21	4696.21	4696.21
Return on Equity (Base Rate)	15.50%	15.50%	15.50%	15.50%	15.50%
MAT rate for FY 2014-15 (%)	20.961	20.961	20.961	20.961	20.961
Rate of Return on Equity	19.610%	19.610%	19.610%	19.610%	19.610%
Return on Equity	920.93	920.93	920.93	920.93	920.93
Interest on Working Capital					
Maintenance Spares	68.56	70.85	73.19	75.62	78.13
O & M expenses	38.09	39.36	40.66	42.01	43.41
Receivables	266.21	268.89	271.64	274.49	277.43
Total	372.85	379.10	385.50	392.13	398.97
Interest	50.33	51.18	52.04	52.94	53.86



Annual Transmission Charges					
Depreciation	168.93	168.93	168.93	168.93	168.93
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Return on Equity	920.93	920.93	920.93	920.93	920.93
Interest on Working Capital	50.33	51.18	52.04	52.94	53.86
O & M Expenses	457.04	472.32	487.95	504.15	520.87
Total	1597.24	1613.36	1629.85	1646.95	1664.59

Asset-2

(₹ in lakh)

Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Gross Block					
Opening Gross Block	33480.93	33480.93	33480.93	33480.93	33480.93
Additional Capitalisation	0.00	0.00	0.00	0.00	0.00
Closing Gross Block	33480.93	33480.93	33480.93	33480.93	33480.93
Average Gross Block	33480.93	33480.93	33480.93	33480.93	33480.93
Depreciation					
Rate of Depreciation	5.2430%	5.2430%	5.2430%	5.2430%	5.2430%
Depreciable Value	30132.84	30132.84	30132.84	30132.84	30132.84
Elapsed Life (Beginning of the year)	14	15	16	17	18
Weighted Balance Useful life of the combine assets	11	10	9	8	7
Remaining Depreciable Value	3204.09	2912.81	2621.53	2330.25	2038.97
Depreciation	291.28	291.28	291.28	291.28	291.28
Interest on Loan					
Gross Normative Loan	28511.51	28511.51	28511.51	28511.51	28511.51
Cumulative Repayment upto Previous Year	28511.51	28511.51	28511.51	28511.51	28511.51
Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
Additions during the year	0.00	0.00	0.00	0.00	0.00
Repayment during the year	0.00	0.00	0.00	0.00	0.00
Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
Average Loan	0.00	0.00	0.00	0.00	0.00
Weighted Average Rate of Interest on Loan	6.1966%	0.00	0.00	0.00	0.00
Interest	0.00	0.00	0.00	0.00	0.00
Return on Equity					
Opening Equity	4969.42	4969.42	4969.42	4969.42	4969.42
Additions	0.00	0.00	0.00	0.00	0.00
Closing Equity	4969.42	4969.42	4969.42	4969.42	4969.42
Average Equity	4969.42	4969.42	4969.42	4969.42	4969.42
Return on Equity (Base Rate)	15.50%	15.50%	15.50%	15.50%	15.50%
MAT rate for FY 2014-15 (%)	20.961	20.961	20.961	20.961	20.961
Rate of Return on Equity	19.610%	19.610%	19.610%	19.610%	19.6110
Return on Equity	974.50	974.50	974.50	974.50	974.50



Interest on Working Capital					
Maintenance Spares	86.70	94.05	101.85	110.40	119.55
O & M expenses	48.17	52.25	56.58	61.33	66.42
Receivables	317.47	326.09	335.24	345.26	355.99
Total	452.34	472.39	493.67	517.00	541.96
Interest	61.07	63.77	66.65	69.79	73.16
Annual Transmission Charges					
Depreciation	291.28	291.28	291.28	291.28	291.28
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Return on Equity	974.50	974.50	974.50	974.50	974.50
Interest on Working Capital	61.07	63.77	66.65	69.79	73.16
O & M Expenses	578.00	627.00	679.00	736.00	797.00
Total	1904.85	1956.56	2011.43	2071.58	2135.95

14. The petitioner has sought reimbursement of fee paid by it for filing the petition and publication expenses. The petitioner shall be entitled for reimbursement of the filing fees and publication expenses in connection with the present petition, directly from the beneficiaries on pro-rata basis in accordance with Regulation 52 (1) of the 2014 Tariff Regulations.

15. The petitioner has prayed for reimbursement of service tax if it is subjected to such tax in future. In our view, the petitioner's prayer is premature at this stage and cannot be entertained.

16. The petitioner shall be entitled for reimbursement of licence fee in accordance with Regulation 42A (1) (b) of the 2009 Regulations for 2009-14 period and in accordance with Regulation 52 (2) (b) of the 2014 Regulations. The petitioner shall also be entitled for recovery of RLDC fee & charges in accordance with 42 A (1) (a) of 2009 Tariff Regulations for 2009-14 period and Regulations 52 (2) (a) of the 2014 Tariff Regulations for 2014-19 period.



17. The petitioner has submitted that O&M Expenses for the year 2014-19 had been arrived at on the basis of normalized actual O&M Expenses during the period 2008-13. The petitioner has further submitted that the wage revision of the employees of the petitioner company is due during 2014-19 and actual impact of wage hike which will be effective from a future date has also not been factored in fixation of the normative O&M rate specified for the tariff block 2014-19. The petitioner has also prayed that it will approach the Commission for suitable revision in the norms of O&M expenses for claiming the impact of such increase. We have considered the submission of the petitioner. We would like to clarify that any application filed by the petitioner in this regard will be dealt with in accordance with the appropriate provisions of the 2014 Tariff Regulations.

18. The petitioner is directed to work out the tax on return on equity and the deferred tax liability for the period 2014-19 as per the observations made in order dated 15.4.2015 in Petition No. 532/TT/2014.

Sharing of Transmission Charges

19. The billing, collection and disbursement of the transmission charges approved shall be governed by the provisions of Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2010, as amended from time to time as provided in Regulation 43 of the 2014 Tariff Regulations.



20. This order disposes of Petition No. 141/TT/2014.

sd/-

(Dr. M.K. Iyer)

Member

sd/-

(A.S. Bakshi)

Member

sd/-

(A.K. Singhal)

Member



Asset -1

CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN						
(₹ in Lacs)						
	Details of Loan	2009-10	2010-11	2011-12	2012-13	2013-14
1	ADB I					
	Gross loan opening	5467.23	5467.23	5467.23	5467.23	5467.23
	Cumulative Repayment upto DOCO/previous year	2398.79	2793.98	3229.68	3710.04	4239.63
	Net Loan-Opening	3068.44	2673.25	2237.55	1757.20	1227.60
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	395.19	435.70	480.36	529.59	583.88
	Net Loan-Closing	2673.25	2237.55	1757.20	1227.60	643.72
	Average Loan	2870.85	2455.40	1997.38	1492.40	935.66
	Rate of Interest	6.1966%	5.3244%	5.2806%	5.6500%	6.1760%
	Interest	177.90	130.74	105.47	84.32	57.79
	Rep Schedule	Half yearly instalment as per schedule from 1.6.2004				
2	Bond VI					
	Gross loan opening	483.98	483.98	483.98	483.98	483.98
	Cumulative Repayment upto DOCO/previous year	338.79	387.18	435.58	483.98	483.98
	Net Loan-Opening	145.19	96.80	48.40	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	48.40	48.40	48.40	0.00	0.00
	Net Loan-Closing	96.80	48.40	0.00	0.00	0.00
	Average Loan	121.00	72.60	24.20	0.00	0.00
	Rate of Interest	13.13%	13.13%	13.13%	13.13%	13.13%
	Interest	15.89	9.53	3.18	0.00	0.00
	Rep Schedule	10 Annual Instalments from 6.12.2002				
3	Bond VII					
	Gross loan opening	1279.97	1279.97	1279.97	1279.97	1279.97
	Cumulative Repayment upto DOCO/previous year	1279.97	1279.97	1279.97	1279.97	1279.97
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	5 Annual Instalments from 4.8.2003				



4	Bond- XI Option- II					
	Gross loan opening	967.95	967.95	967.95	967.95	967.95
	Cumulative Repayment upto DOCO/previous year	967.95	967.95	967.95	967.95	967.95
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	6 Annual Instalments from 7.12.2003				
5	Bond -XIII Option- II					
	Gross loan opening	991.77	991.77	991.77	991.77	991.77
	Cumulative Repayment upto DOCO/previous year	991.77	991.77	991.77	991.77	991.77
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	6 Annual Instalments from 31.7.2003				
6	Corporation Bank					
	Gross loan opening	639.75	639.75	639.75	639.75	639.75
	Cumulative Repayment upto DOCO/previous year	351.86	415.84	479.81	543.79	607.76
	Net Loan-Opening	287.89	223.91	159.94	95.96	31.99
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	63.98	63.98	63.98	63.98	31.99
	Net Loan-Closing	223.91	159.94	95.96	31.99	0.00
	Average Loan	255.90	191.93	127.95	63.98	15.99
	Rate of Interest	10.5990%	10.5651%	12.5486%	13.0000%	13.0000%
	Interest	27.12	20.28	16.06	8.32	2.08
	Rep Schedule	20 Half yearly Instalments from 10.3.2004				
7	PNB-I					
	Gross loan opening	1279.97	1279.97	1279.97	1279.97	1279.97
	Cumulative Repayment upto DOCO/previous year	767.98	895.98	1023.98	1151.97	1279.97
	Net Loan-Opening	511.99	383.99	255.99	128.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	128.00	128.00	128.00	128.00	0.00
	Net Loan-Closing	383.99	255.99	128.00	0.00	0.00
	Average Loan	447.99	319.99	192.00	64.00	0.00
	Rate of Interest	8.9512%	9.6512%	11.7996%	11.8396%	0.0000%
	Interest	40.10	30.88	22.65	7.58	0.00
	Rep Schedule	10 Annual Instalments from 30.3.2004				
8	Bond IV (1st Tranch)					
	Gross loan opening	2316.52	2316.52	2316.52	2316.52	2316.52



	Cumulative Repayment upto DOCO/previous year	2316.52	2316.52	2316.52	2316.52	2316.52
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Bullet payment on 24.2.2002				
9	Bond V					
	Gross loan opening	1287.59	1287.59	1287.59	1287.59	1287.59
	Cumulative Repayment upto DOCO/previous year	1287.59	1287.59	1287.59	1287.59	1287.59
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	10 Annual Instalment from 22.8.2003				
10	Bond-III Series-I					
	Gross loan opening	921.75	921.75	921.75	921.75	921.75
	Cumulative Repayment upto DOCO/previous year	921.75	921.75	921.75	921.75	921.75
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Repaid before 31.3.2001				
11	SBI- London (Replacement with WMB-II)					
	Gross loan opening	11935.17	11935.17	11935.17	11935.17	11935.17
	Cumulative Repayment upto DOCO/previous year	11935.17	11935.17	11935.17	11935.17	11935.17
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	9 Half yearly equal instalments from 22.8.2003				
12	LIC- NEEPCO					
	Gross loan opening	123.38	123.38	123.38	123.38	123.38
	Cumulative Repayment upto DOCO/previous year	123.38	123.38	123.38	123.38	123.38



Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
Additions during the year	0.00	0.00	0.00	0.00	0.00
Repayment during the year	0.00	0.00	0.00	0.00	0.00
Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
Average Loan	0.00	0.00	0.00	0.00	0.00
Rate of Interest	6.84%	6.84%	6.84%	6.84%	6.84%
Interest	0.00	0.00	0.00	0.00	0.00
Rep Schedule	Repaid before 31.3.2001				
Total Loan					
Gross loan opening	27695.03	27695.03	27695.03	27695.03	27695.03
Cumulative Repayment upto DOCO/previous year	23681.52	24317.08	24993.15	25713.88	26435.44
Net Loan-Opening	4013.51	3377.95	2701.88	1981.16	1259.59
Additions during the year	0.00	0.00	0.00	0.00	0.00
Repayment during the year	635.56	676.07	720.73	721.57	615.87
Net Loan-Closing	3377.95	2701.88	1981.16	1259.59	643.72
Average Loan	3695.73	3039.92	2341.52	1620.37	951.66
Rate of Interest	7.0623%	6.2971%	6.2934%	6.1847%	6.2907%
Interest	261.00	191.43	147.36	100.21	59.87



CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN						
(₹ in Lacs)						
	Details of Loan	2009-10	2010-11	2011-12	2012-13	2013-14
1	ADB I					
	Gross loan opening	5785.29	5785.29	5785.29	5785.29	5785.29
	Cumulative Repayment upto DOCO/previous year	2538.18	2956.38	3417.45	3925.78	4486.21
	Net Loan-Opening	3247.11	2828.91	2367.84	1859.52	1299.08
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	418.20	461.07	508.33	560.43	617.88
	Net Loan-Closing	2828.91	2367.84	1859.52	1299.08	681.21
	Average Loan	3038.01	2598.38	2113.68	1579.30	990.15
	Rate of Interest	6.1966%	5.3244%	5.2806%	5.6500%	6.1760%
	Interest	188.25	138.35	111.61	89.23	61.15
	Rep Schedule	Half yearly instalment as per schedule from 1.6.2004				
2	Bond VI					
	Gross loan opening	512.13	512.13	512.13	512.13	512.13
	Cumulative Repayment upto DOCO/previous year	358.49	409.70	460.92	512.13	512.13
	Net Loan-Opening	153.64	102.43	51.21	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	51.21	51.21	51.21	0.00	0.00
	Net Loan-Closing	102.43	51.21	0.00	0.00	0.00
	Average Loan	128.03	76.82	25.61	0.00	0.00
	Rate of Interest	13.13%	13.13%	13.13%	13.13%	13.13%
	Interest	16.81	10.09	3.36	0.00	0.00
	Rep Schedule	10 Annual Instalments from 6.12.2002				
3	Bond VII					
	Gross loan opening	1354.43	1354.43	1354.43	1354.43	1354.43
	Cumulative Repayment upto DOCO/previous year	1354.43	1354.43	1354.43	1354.43	1354.43
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	5 Annual Instalments from 4.8.2003				

4	Bond- XI Option- II					
	Gross loan opening	1024.26	1024.26	1024.26	1024.26	1024.26
	Cumulative Repayment upto DOCO/previous year	1024.26	1024.26	1024.26	1024.26	1024.26
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	6 Annual Instalments from 7.12.2003				
5	Bond -XIII Option- II					
	Gross loan opening	1049.47	1049.47	1049.47	1049.47	1049.47
	Cumulative Repayment upto DOCO/previous year	1049.47	1049.47	1049.47	1049.47	1049.47
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	6 Annual Instalments from 31.7.2003				
6	Corporation Bank					
	Gross loan opening	676.96	676.96	676.96	676.96	676.96
	Cumulative Repayment upto DOCO/previous year	372.33	440.02	507.72	575.42	643.11
	Net Loan-Opening	304.63	236.94	169.24	101.54	33.85
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	67.70	67.70	67.70	67.70	33.85
	Net Loan-Closing	236.94	169.24	101.54	33.85	0.00
	Average Loan	270.78	203.09	135.39	67.70	16.92
	Rate of Interest	10.5990%	10.5651%	12.5486%	13.0000%	13.0000%
	Interest	28.70	21.46	16.99	8.80	2.20
	Rep Schedule	20 Half yearly Instalments from 10.3.2004				
7	PNB-I					
	Gross loan opening	1354.43	1354.43	1354.43	1354.43	1354.43
	Cumulative Repayment upto DOCO/previous year	812.66	948.10	1083.54	1218.99	1354.43
	Net Loan-Opening	541.77	406.33	270.89	135.44	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	135.44	135.44	135.44	135.44	0.00
	Net Loan-Closing	406.33	270.89	135.44	0.00	0.00
	Average Loan	474.05	338.61	203.16	67.72	0.00
	Rate of Interest	8.9512%	9.6512%	11.7996%	11.8396%	0.0000%
	Interest	42.43	32.68	23.97	8.02	0.00
	Rep Schedule	10 Annual Instalments from 30.3.2004				



8	Bond IV (1st Tranch)					
	Gross loan opening	2451.29	2451.29	2451.29	2451.29	2451.29
	Cumulative Repayment upto DOOCO/previous year	2451.29	2451.29	2451.29	2451.29	2451.29
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Bullet payment on 24.2.2002				
9	Bond V					
	Gross loan opening	1362.50	1362.50	1362.50	1362.50	1362.50
	Cumulative Repayment upto DOOCO/previous year	1362.50	1362.50	1362.50	1362.50	1362.50
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	10 Annual Instalment from 22.8.2003				
10	Bond-III Series-I					
	Gross loan opening	975.37	975.37	975.37	975.37	975.37
	Cumulative Repayment upto DOOCO/previous year	975.37	975.37	975.37	975.37	975.37
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Repaid before 31.3.2001				
11	SBI- London (Replacement with WMB-II)					
	Gross loan opening	12629.51	12629.51	12629.51	12629.51	12629.51
	Cumulative Repayment upto DOOCO/previous year	12629.51	12629.51	12629.51	12629.51	12629.51
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	9 Half yearly equal instalments from 22.8.2003				



12	LIC- NEEPCO					
	Gross loan opening	130.55	130.55	130.55	130.55	130.55
	Cumulative Repayment upto DOCO/previous year	130.55	130.55	130.55	130.55	130.55
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	6.84%	6.84%	6.84%	6.84%	6.84%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Repaid before 31.3.2001				
	Total Loan					
	Gross loan opening	29306.19	29306.19	29306.19	29306.19	29306.19
	Cumulative Repayment upto DOCO/previous year	25059.04	25731.59	26447.01	27209.69	27973.26
	Net Loan-Opening	4247.16	3574.60	2859.18	2096.50	1332.93
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	672.55	715.42	762.68	763.57	651.72
	Net Loan-Closing	3574.60	2859.18	2096.50	1332.93	681.21
	Average Loan	3910.88	3216.89	2477.84	1714.72	1007.07
	Rate of Interest	7.0623%	6.2971%	6.2934%	6.1846%	6.2907%
	Interest	276.20	202.57	155.94	106.05	63.35



Asset -1

CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN						
						(₹ in Lacs)
	Details of Loan	2014-15	2015-16	2016-17	2017-18	2018-19
1	ADB I					
	Gross loan opening	5467.23	5467.23	5467.23	5467.23	5467.23
	Cumulative Repayment upto DOCO/previous year	4823.49	5467.23	5467.23	5467.23	5467.23
	Net Loan-Opening	643.74	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	643.74	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	321.87	0.00	0.00	0.00	0.00
	Rate of Interest	6.1966%	5.3244%	5.2806%	5.6500%	6.1760%
	Interest	19.95	0.00	0.00	0.00	0.00
	Rep Schedule	Half yearly instalment as per schedule from 1.6.2004				
2	Bond VI					
	Gross loan opening	483.98	483.98	483.98	483.98	483.98
	Cumulative Repayment upto DOCO/previous year	483.98	483.98	483.98	483.98	483.98
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	13.13%	13.13%	13.13%	13.13%	13.13%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	10 Annual Instalments from 6.12.2002				
3	Bond VII					
	Gross loan opening	1279.97	1279.97	1279.97	1279.97	1279.97
	Cumulative Repayment upto DOCO/previous year	1279.97	1279.97	1279.97	1279.97	1279.97
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00



	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	5 Annual Instalments from 4.8.2003				
4	Bond- XI Option- II					
	Gross loan opening	967.95	967.95	967.95	967.95	967.95
	Cumulative Repayment upto DOCO/previous year	967.95	967.95	967.95	967.95	967.95
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	6 Annual Instalments from 7.12.2003				
5	Bond -XIII Option- II					
	Gross loan opening	991.77	991.77	991.77	991.77	991.77
	Cumulative Repayment upto DOCO/previous year	991.77	991.77	991.77	991.77	991.77
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	6 Annual Instalments from 31.7.2003				
6	Corporation Bank					
	Gross loan opening	639.75	639.75	639.75	639.75	639.75
	Cumulative Repayment upto DOCO/previous year	639.75	639.75	639.75	639.75	639.75
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	10.5990 %	10.5651 %	12.5486 %	13.0000 %	13.0000 %
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	20 Half yearly Instalments from 10.03.2004				



7	PNB-I					
	Gross loan opening	1279.97	1279.97	1279.97	1279.97	1279.97
	Cumulative Repayment upto DOCO/previous year	1279.97	1279.97	1279.97	1279.97	1279.97
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	8.9512%	9.6512%	11.7996 %	11.8396 %	0.0000%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	10 Annual Instalments from 30.3.2004				
8	Bond IV (1st Tranch)					
	Gross loan opening	2316.52	2316.52	2316.52	2316.52	2316.52
	Cumulative Repayment upto DOCO/previous year	2316.52	2316.52	2316.52	2316.52	2316.52
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Bullet payment on 24.2.2002				
9	Bond V					
	Gross loan opening	1287.59	1287.59	1287.59	1287.59	1287.59
	Cumulative Repayment upto DOCO/previous year	1287.59	1287.59	1287.59	1287.59	1287.59
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	10 Annual Instalment from 22.8.2003				



10	Bond-III Series-I					
	Gross loan opening	921.75	921.75	921.75	921.75	921.75
	Cumulative Repayment upto DOCO/previous year	921.75	921.75	921.75	921.75	921.75
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Repaid before 31.3.2001				
11	SBI- London (Replacement with WMB-II)					
	Gross loan opening	11935.17	11935.17	11935.17	11935.17	11935.17
	Cumulative Repayment upto DOCO/previous year	11935.17	11935.17	11935.17	11935.17	11935.17
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	9 Half yearly equal instalments from 22.8.2003				
12	LIC- NEEPCO					
	Gross loan opening	123.38	123.38	123.38	123.38	123.38
	Cumulative Repayment upto DOCO/previous year	123.38	123.38	123.38	123.38	123.38
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	6.84%	6.84%	6.84%	6.84%	6.84%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Repaid before 31.3.2001				
	Total Loan					
	Gross loan opening	27695.03	27695.03	27695.03	27695.03	27695.03



	Cumulative Repayment upto DOCO/previous year	27051.29	27695.03	27695.03	27695.03	27695.03
	Net Loan-Opening	643.74	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	643.74	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	321.87	0.00	0.00	0.00	0.00
	Rate of Interest	6.1966%	0.00	0.00	0.00	0.00
	Interest	19.95	0.00	0.00	0.00	0.00



Asset -2

CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN						
(₹ in Lacs)						
	Details of Loan	2014-15	2015-16	2016-17	2017-18	2018-19
1	ADB I					
	Gross loan opening	5785.29	5785.29	5785.29	5785.29	5785.29
	Cumulative Repayment upto DOCO/previous year	5104.11	5785.29	5785.29	5785.29	5785.29
	Net Loan-Opening	681.18	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	681.18	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	340.59	0.00	0.00	0.00	0.00
	Rate of Interest	6.1966%	5.3244%	5.2806%	5.6500%	6.1760%
	Interest	21.11	0.00	0.00	0.00	0.00
	Rep Schedule	Half yearly instalment as per schedule from 1.6.2004				
2	Bond VI					
	Gross loan opening	512.13	512.13	512.13	512.13	512.13
	Cumulative Repayment upto DOCO/previous year	512.13	512.13	512.13	512.13	512.13
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	13.13%	13.13%	13.13%	13.13%	13.13%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	10 Annual Instalments from 6.12.2002				
3	Bond VII					
	Gross loan opening	1354.43	1354.43	1354.43	1354.43	1354.43
	Cumulative Repayment upto DOCO/previous year	1354.43	1354.43	1354.43	1354.43	1354.43
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	5 Annual Instalments from 4.8.2003				
4	Bond- XI Option- II					
	Gross loan opening	1024.26	1024.26	1024.26	1024.26	1024.26
	Cumulative Repayment upto DOCO/previous year	1024.26	1024.26	1024.26	1024.26	1024.26
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00



	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	6 Annual Instalments from 7.12.2003				
5	Bond -XIII Option- II					
	Gross loan opening	1049.47	1049.47	1049.47	1049.47	1049.47
	Cumulative Repayment upto DOCO/previous year	1049.47	1049.47	1049.47	1049.47	1049.47
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	6 Annual Instalments from 31.7.2003				
6	Corporation Bank					
	Gross loan opening	676.96	676.96	676.96	676.96	676.96
	Cumulative Repayment upto DOCO/previous year	676.96	676.96	676.96	676.96	676.96
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	10.5990%	10.5651%	12.5486%	13.0000%	13.0000%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	20 Half yearly Instalments from 10.3.2004				
7	PNB-I					
	Gross loan opening	1354.43	1354.43	1354.43	1354.43	1354.43
	Cumulative Repayment upto DOCO/previous year	1354.43	1354.43	1354.43	1354.43	1354.43
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	8.9512%	9.6512%	11.7996%	11.8396%	0.0000%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	10 Annual Instalments from 30.3.2004				
8	Bond IV (1st Tranch)					
	Gross loan opening	2451.29	2451.29	2451.29	2451.29	2451.29
	Cumulative Repayment upto DOCO/previous year	2451.29	2451.29	2451.29	2451.29	2451.29



	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Bullet payment on 24.2.2002				
9	Bond V					
	Gross loan opening	1362.50	1362.50	1362.50	1362.50	1362.50
	Cumulative Repayment upto DOCO/previous year	1362.50	1362.50	1362.50	1362.50	1362.50
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	10 Annual Instalment from 22.8.2003				
10	Bond-III Series-I					
	Gross loan opening	975.37	975.37	975.37	975.37	975.37
	Cumulative Repayment upto DOCO/previous year	975.37	975.37	975.37	975.37	975.37
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Repaid before 31.3.2001				
11	SBI- London (Replacement with WMB-II)					
	Gross loan opening	12629.51	12629.51	12629.51	12629.51	12629.51
	Cumulative Repayment upto DOCO/previous year	12629.51	12629.51	12629.51	12629.51	12629.51
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	9 Half yearly equal instalments from 22.8.2003				
12	LIC- NEEPCO					
	Gross loan opening	130.55	130.55	130.55	130.55	130.55



	Cumulative Repayment upto DOCO/previous year	130.55	130.55	130.55	130.55	130.55
	Net Loan-Opening	0.00	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest	6.84%	6.84%	6.84%	6.84%	6.84%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Repaid before 31.3.2001				
	Total Loan					
	Gross loan opening	29306.19	29306.19	29306.19	29306.19	29306.19
	Cumulative Repayment upto DOCO/previous year	28625.01	29306.19	29306.19	29306.19	29306.19
	Net Loan-Opening	681.18	0.00	0.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	681.18	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	340.59	0.00	0.00	0.00	0.00
	Rate of Interest	6.1966%	0.00	0.00	0.00	0.00
	Interest	21.11	0.00	0.00	0.00	0.00

