

**CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI**

Petition No. 166/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 CERC (Conduct of Business) Regulations'1999, CERC (Terms and Conditions of Tariff) Regulations, 2009 and CERC (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 a) 220 kV D/C Kayamkulam- Edamon transmission line and (b) 220 kV D/C Kayamkulam- Pallom transmission line with associated bays under Kayakulam Transmission 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
Represented by Its Managing Director
- 10 Bangalore Electricity Supply Company Ltd., (BESCOM),
Corporate Office, K.R.Circle
BANGALORE – 560 001
Karnataka
- 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 220 kV D/C Kayamkulam- Edamon transmission line and 220 kV D/C Kayamkulam- Pallom transmission line with associated bays under Kayakulam Transmission 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 1.12.1999. The petitioner had approached the Commission vide Petition No. 132/2010 for determination of tariff for 2009-14 tariff period. The Commission, on 11.10.2010 had approved the tariff based on the admitted capital cost of ₹ 12899.71 lakh for the instant asset as on 31.3.2009 as given below:

(₹ in lakh)

Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
Depreciation	678.64	678.64	678.64	83.32	83.32
Interest on Loan	292.45	231.88	171.29	136.98	129.05
Return on Equity	310.53	310.53	310.53	310.53	310.53
Interest on Working Capital	37.13	36.46	35.83	23.37	23.91
O & M Expenses	208.27	220.18	232.83	246.10	260.15
Total	1527.03	1477.70	1429.13	800.31	806.96

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 ₹ 12899.71 lakh for the instant asset by the Commission in order dated 11.10.2010 in Petition No 132/2010;
- 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	1547.48	1520.41	1479.36	847.53	851.92

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	823.77	824.54	825.58	826.82	828.48

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 CERC (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 1.9.2014 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 ₹ 12899.71 lakh for the instant Asset 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) 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. Accordingly, the interest on loan has been worked out and details of weighted average rate of interest are placed at Annexure-1.
- e) The Commission vide para 25 of its order dated 11.10.2010 in petition 132/2010 had already recognised that Transmission Assets had completed 12 years on 30-11-2011. Accordingly, depreciation for the Transmission 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.
- 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:

(₹ in lakh)

Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
Gross Block					
Opening Gross Block	12899.71	12899.71	12899.71	12899.71	12899.71
Additional Capitalisation	0.00	0.00	0.00	0.00	0.00
Closing Gross Block	12899.71	12899.71	12899.71	12899.71	12899.71
Average Gross Block	12899.71	12899.71	12899.71	12899.71	12899.71
Depreciation					
Rate of Depreciation	5.2609%	5.2609%	5.2609%	5.2609%	5.2609%
Depreciable Value	11556.96	11556.96	11556.96	11556.96	11556.96
Elapsed Life (Beginning of the year)	9	10	11	12	13
Weighted Balance Useful life of the combine assets	25	24	23	22	21
Remaining Depreciable Value	3869.07	3190.42	2511.78	1833.13	1749.81
Depreciation	678.64	678.64	678.64	83.32	83.32
Interest on Loan					
Gross Normative Loan	11123.32	11123.32	11123.32	11123.32	11123.32
Cumulative Repayment upto Previous Year	7446.19	8124.83	8803.48	9482.12	9565.45
Net Loan-Opening	3677.13	2998.48	2319.84	1641.20	1557.87
Additions	0.00	0.00	0.00	0.00	0.00
Repayment during the year	678.64	678.64	678.64	83.32	83.32
Net Loan-Closing	2998.48	2319.84	1641.20	1557.87	1474.55
Average Loan	3337.81	2659.16	1980.52	1599.53	1516.21
Weighted Average Rate of Interest on Loan	8.7310%	9.0440%	9.4280%	9.3472%	8.9212%
Interest	291.42	240.50	186.72	149.51	135.26
Return on Equity					
Opening Equity	1776.40	1776.40	1776.40	1776.40	1776.40
Additions	0.00	0.00	0.00	0.00	0.00
Closing Equity	1776.40	1776.40	1776.40	1776.40	1776.40
Average Equity	1776.40	1776.40	1776.40	1776.40	1776.40
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	331.72	343.87	344.21	344.21	348.35
Interest on Working Capital					
Maintenance Spares	31.24	33.03	34.92	36.92	39.02
O & M expenses	17.36	18.35	19.40	20.51	21.68
Receivables	257.94	253.42	246.54	141.25	141.99
Total	306.53	304.80	300.87	198.67	202.69
Interest	37.55	37.34	36.86	24.34	24.83



Annual Transmission Charges					
Depreciation	678.64	678.64	678.64	83.32	83.32
Interest on Loan	291.42	240.50	186.72	149.51	135.26
Return on Equity	331.72	343.87	344.21	344.21	348.35
Interest on Working Capital	37.55	37.34	36.86	24.34	24.83
O & M Expenses	208.27	220.18	232.83	246.10	260.15
Total	1547.61	1520.53	1479.27	847.48	851.92

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 below:

- a) The capital cost of ₹12899.71 lakh for the instant Asset 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) The weighted average interest on loan has been considered on the basis of rate prevailing as on 1.4.2014. The petitioner has prayed that the change in Interest rate due to floating rate of interest applicable, if any, during 2014-19 period will be adjusted. Accordingly, the floating rate of interest, if any, shall be considered at the time of true up or next revision of tariff. However, as the actual loan has been entirely repaid during 2013-14 & normative loan is still outstanding, the interest on loan has been worked out in accordance with Regulation 26 of the 2014 Tariff Regulations by considering last available weighted average rate of interest for the year 2013-14 and details of actual loan for 2014-19 are placed at Annexure-2.
- e) As in the present petition, Transmission Assets had completed 12 years prior to 1.4.2014. Accordingly, depreciation has been spread over based on the remaining depreciable value to be recovered in the balance useful life.
- f) O&M 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:

(₹ in lakh)					
Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Gross Block					
Opening Gross Block	12899.71	12899.71	12899.71	12899.71	12899.71
Additional Capitalisation	0.00	0.00	0.00	0.00	0.00
Closing Gross Block	12899.71	12899.71	12899.71	12899.71	12899.71
Average Gross Block	12899.71	12899.71	12899.71	12899.71	12899.71
Depreciation					
Rate of Depreciation	5.2609%	5.2609%	5.2609%	5.2609%	5.2609%
Depreciable Value	11556.96	11556.96	11556.96	11556.96	11556.96
Elapsed Life (Beginning of the year)	14	15	16	17	18

Weighted Balance Useful life of the combine assets	20	19	18	17	16
Remaining Depreciable Value	1666.49	1583.16	1499.84	1416.51	1333.19
Depreciation	83.32	83.32	83.32	83.32	83.32
Interest on Loan					
Gross Normative Loan	11123.32	11123.32	11123.32	11123.32	11123.32
Cumulative Repayment upto Previous Year	9648.77	9732.09	9815.42	9898.74	9982.07
Net Loan-Opening	1474.55	1391.22	1307.90	1224.58	1141.25
Additions during the year	0.00	0.00	0.00	0.00	0.00
Repayment during the year	83.32	83.32	83.32	83.32	83.32
Net Loan-Closing	1391.22	1307.90	1224.58	1141.25	1057.93
Average Loan	1432.89	1349.56	1266.24	1182.91	1099.59
Weighted Average Rate of Interest on Loan	8.9212%	8.9212%	8.9212%	8.9212%	8.9212%
Interest	127.83	120.40	112.96	105.53	98.10
Return on Equity					
Opening Equity	1776.40	1776.40	1776.40	1776.40	1776.40
Additions	0.00	0.00	0.00	0.00	0.00
Closing Equity	1776.40	1776.40	1776.40	1776.40	1776.40
Average Equity	1776.40	1776.40	1776.40	1776.40	1776.40
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	348.35	348.35	348.35	348.35	348.35
Interest on Working Capital					
Maintenance Spares	35.73	36.93	38.15	39.41	40.73
O & M expenses	19.85	20.51	21.20	21.90	22.63
Receivables	137.29	137.42	137.60	137.80	138.08
Total	192.88	194.86	196.95	199.11	201.44
Interest	26.04	26.31	26.59	26.88	27.19
Annual Transmission Charges					
Depreciation	83.32	83.32	83.32	83.32	83.32
Interest on Loan	127.83	120.40	112.96	105.53	98.10
Return on Equity	348.35	348.35	348.35	348.35	348.35
Interest on Working Capital	26.04	26.31	26.59	26.88	27.19
O & M Expenses	238.23	246.17	254.36	262.74	271.53
Total	823.78	824.55	825.59	826.83	828.50

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 Tariff Regulations for 2009-14 period and in accordance with Regulation 52 (2) (b) of the 2014 Tariff 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 Tariff 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. 166/TT/2014.

sd/-

(Dr. M.K. Iyer)

Member

sd/-

(A.S. Bakshi)

Member

sd/-

(A.K. Singhal)

Member

Annexure-1

CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN						
						(₹ in Lakh)
	Details of Loan	2009-10	2010-11	2011-12	2012-13	2013-14
1	BONDS VI					
	Gross loan opening	382.03	382.03	382.03	382.03	382.03
	Cumulative Repayment upto DOCO/previous year	267.42	305.62	343.82	382.02	382.02
	Net Loan-Opening	114.61	76.41	38.21	0.01	0.01
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	38.20	38.20	38.20	0.00	0.00
	Net Loan-Closing	76.41	38.21	0.01	0.01	0.01
	Average Loan	95.51	57.31	19.11	0.01	0.01
	Rate of Interest	13.13%	13.13%	13.13%	13.13%	13.13%
	Interest	12.54	7.52	2.51	0.00	0.00
	Rep Schedule	10 Annual Instalments from 6.12.2002				
2	CORPORATION BANK					
	Gross loan opening	415.22	415.22	415.22	415.22	415.22
	Cumulative Repayment upto DOCO/previous year	228.37	269.89	311.42	352.94	394.46
	Net Loan-Opening	186.85	145.33	103.81	62.28	20.76
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	41.52	41.52	41.52	41.52	20.76
	Net Loan-Closing	145.33	103.81	62.28	20.76	0.00
	Average Loan	166.09	124.57	83.04	41.52	10.38
	Rate of Interest	10.60%	10.57%	12.55%	13.00%	13.00%
	Interest	17.61	13.17	10.42	5.40	1.35
	Rep Schedule	20 Half yearly Instalments from 10.3.2004				
3	BOND VII					
	Gross loan opening	791.99	791.99	791.99	791.99	791.99
	Cumulative Repayment upto DOCO/previous year	791.99	791.99	791.99	791.99	791.99
	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	13.64%	13.64%	13.64%	13.64%	13.64%
	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	764.12	764.12	764.12	764.12	764.12
	Cumulative Repayment upto DOCO/previous year	764.12	764.12	764.12	764.12	764.12
	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	9.20%	9.20%	9.20%	9.20%	9.20%



	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	614.01	614.01	614.01	614.01	614.01
	Cumulative Repayment upto DOCO/previous year	614.01	614.01	614.01	614.01	614.01
	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	7.85%	7.85%	7.85%	7.85%	7.85%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	6 Annual Instalments from 31.7.2003				
6	PUNJAB NATIONAL BANK - I					
	Gross loan opening	831.05	831.05	831.05	831.05	831.05
	Cumulative Repayment upto DOCO/previous year	498.63	581.74	664.84	747.95	831.05
	Net Loan-Opening	332.42	249.32	166.21	83.11	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	83.11	83.11	83.11	83.11	0.00
	Net Loan-Closing	249.32	166.21	83.11	0.00	0.00
	Average Loan	290.87	207.76	124.66	41.55	0.00
	Rate of Interest	8.95%	9.72%	11.86%	11.90%	0.00%
	Interest	26.03	20.19	14.78	4.94	0.00
	Rep Schedule	10 Annual Instalments from 30.3.2004				
7	IBRD - I					
	Gross loan opening	6298.49	6298.49	6298.49	6298.49	6298.49
	Cumulative Repayment upto DOCO/previous year	3556.87	4090.79	4665.11	5282.82	5947.35
	Net Loan-Opening	2741.62	2207.70	1633.38	1015.67	351.14
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	533.92	574.32	617.71	664.53	351.14
	Net Loan-Closing	2207.70	1633.38	1015.67	351.14	0.00
	Average Loan	2474.66	1920.54	1324.53	683.41	175.57
	Rate of Interest	8.41%	8.75%	8.95%	8.97%	8.68%
	Interest	208.12	168.05	118.55	61.30	15.24
	Rep Schedule	Half yearly installment from 1.6.2004				
	Total Loan					
	Gross loan opening	10096.91	10096.91	10096.91	10096.91	10096.91
	Cumulative Repayment upto DOCO/previous year	6721.41	7418.16	8155.30	8935.84	9725.00
	Net Loan-Opening	3375.50	2678.75	1941.60	1161.07	371.91
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	696.75	737.15	780.53	789.16	371.90
	Net Loan-Closing	2678.75	1941.60	1161.07	371.91	0.01
	Average Loan	3027.12	2310.18	1551.34	766.49	185.96
	Rate of Interest	8.7310%	9.0440%	9.4280%	9.3472%	8.9212%
	Interest	264.30	208.93	146.26	71.65	16.59



CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN						
(₹ in Lakh)						
	Details of Loan	2014-15	2015-16	2016-17	2017-18	2018-19
1	BONDS VI					
	Gross loan opening	382.03	382.03	382.03	382.03	382.03
	Cumulative Repayment upto DOCO/previous year	382.03	382.03	382.03	382.03	382.03
	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
	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				
2	CORPORATION BANK					
	Gross loan opening	415.22	415.22	415.22	415.22	415.22
	Cumulative Repayment upto DOCO/previous year	415.22	415.22	415.22	415.22	415.22
	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	13.00%	13.00%	13.00%	13.00%	13.00%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	20 Half yearly Instalments from 10.3.2004				
3	BOND VII					
	Gross loan opening	791.99	791.99	791.99	791.99	791.99
	Cumulative Repayment upto DOCO/previous year	791.99	791.99	791.99	791.99	791.99
	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	13.64%	13.64%	13.64%	13.64%	13.64%
	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	764.12	764.12	764.12	764.12	764.12
	Cumulative Repayment upto DOCO/previous year	764.12	764.12	764.12	764.12	764.12
	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	9.20%	9.20%	9.20%	9.20%	9.20%
	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	614.01	614.01	614.01	614.01	614.01
	Cumulative Repayment upto DOCO/previous year	614.01	614.01	614.01	614.01	614.01
	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	7.85%	7.85%	7.85%	7.85%	7.85%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	6 Annual Instalments from 31.7.2003				
6	PUNJAB NATIONAL BANK - I					
	Gross loan opening	831.05	831.05	831.05	831.05	831.05
	Cumulative Repayment upto DOCO/previous year	831.05	831.05	831.05	831.05	831.05
	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 Instalments from 30.3.2004				
7	IBRD - I					
	Gross loan opening	6298.49	6298.49	6298.49	6298.49	6298.49
	Cumulative Repayment upto DOCO/previous year	6298.49	6298.49	6298.49	6298.49	6298.49
	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	8.41%	8.75%	8.95%	8.97%	8.68%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Half yearly installment from 1.6.2004				
	Total Loan					
	Gross loan opening	10096.91	10096.91	10096.91	10096.91	10096.91
	Cumulative Repayment upto DOCO/previous year	10096.91	10096.91	10096.91	10096.91	10096.91
	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

