

**CENTRAL ELECTRICITY REGULATORY COMMISSION  
NEW DELHI**

**Petition No. 305/2010**

**Coram:**

**Dr. Pramod Deo, Chairperson**

**Shri S. Jayaraman, Member**

**Shri V.S. Verma, Member**

**Shri M. Deena Dayalan, Member**

**Date of hearing: 30.8.2012**

**Date of order : 07.2.2013**

**In the matter of:**

Approval under regulation 86 of Central Electricity Regulatory Commission (Conduct of Business) Regulations 1999 and Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations 2009 for determination of Transmission Tariff from 1.4.2009 to 31.3.2014 for replacement of insulators in fog and pollution affected stretches of existing Northern Region transmission lines in NCR and around and other polluted stretches by polymer (composite long rod) insulators in Northern Region.

**And**

**In the matter of:**

Power Grid Corporation of India Ltd., Gurgaon

.....**Petitioner**

**Vs**

1. Rajasthan Rajya Vidyut Prasaran Nigam Ltd., Jaipur
2. Ajmer Vidyut Vitran Nigam Ltd, Jaipur
3. Jaipur Vidyut Vitran Nigam Ltd., Jaipur
4. Jodhpur Vidyut Vitran Nigam Ltd., Jaipur
5. Himachal Pradesh State Electricity Board, Shimla
6. Punjab State Electricity Board, Patiala
7. Haryana Power Purchase Centre, Haryana
8. Power Development Department, Jammu
9. Uttar Pradesh Power Corporation Ltd., Lucknow
10. Delhi Transco Ltd., New Delhi
11. BSES Yamuna Power Ltd., New Delhi
12. BSES Rajdhani Power Ltd., New Delhi

13. North Delhi Power Ltd., New Delhi
14. Chandigarh Administration, Chandigarh
15. Uttarakhand Power Corporation Ltd., Dehradun
16. North Central Railway, Allahabad
17. New Delhi Municipal Council, New Delhi

**..Respondents**

**The following were present:**

1. Shri M.G. Ramachandran, Advocate, PGCIL
2. Shri S.S. Raju, PGCIL
3. Shri U.K. Tyagi, PGCIL
4. Shri Mahender Singh, PGCIL
5. Shri I.S. Jha, PGCIL
6. Shri Avinash M. Pavgi, PGCIL
7. Shri Rajeev Kumar, PGCIL
8. Shri M.M. Mondal, PGCIL
9. Shri J. Mazumdar, PGCIL
10. Shri R.B. Sharma, Advocate BRPL

**ORDER**

The petitioner, Power Grid Corporation of India Limited, has filed the instant petition for approval of transmission tariff in respect of the Polymer Insulators installed by it in place of the porcelain insulators on the 400 kV transmission lines in and around the National Capital Region, in accordance with the provisions of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2009 (hereinafter referred to as "2009 Tariff Regulations").

2. The petitioner has submitted that most of the transmission lines of the Northern Region in areas around the National Capital Region are passing through plain terrain and accordingly lines were earlier designed and constructed considering the light pollution level keeping in view the vast agricultural land and scattered industrialization activities. Over the years, pollution levels have increased due to developments taking

place in the industrial, automobile and housing infrastructure sectors. As a result of higher pollution level, frequent trippings of Northern Regional transmission lines, especially those passing through polluted areas have been observed under foggy conditions during winter season. The petitioner submitted that despite taking regular maintenance measures including cleaning of insulators in critical stretches every year before winter season, trippings in some of the transmission lines were a matter of concern. On 7.3.2008 and 9.3.2008, a large number of trippings of 400 kV transmission lines took place in the Northern Region affecting power to Delhi and its adjoining areas, as well as the Railways. An emergency meeting was convened by Secretary (Power) to take stock of the situation and to plan for corrective actions to be taken, which was attended by Member (Electrical), Railways, Chairman, CEA, Secretary (Power), Government of Haryana, CMD of NTPC, Director(Projects) of Power Grid and CMD of Delhi Transco Ltd. After detailed deliberations, the following remedial measures among others were decided:-

- (a) Physical cleaning of insulators to be undertaken on 17 identified critical power transmission lines.
- (b) Complete replacement of conventional insulators by polymer insulators in all vulnerable areas in the NCR before November, 2008.
- (c) Chairman, CEA to convene a meeting of the Northern Region to address various issues related to replacement of insulators.

3. The petitioner has submitted that in accordance with the decision taken in the meeting of Secretary (Power), Chairman, CEA convened a meeting on 30.4.2008. After detailed deliberations, the following decisions were taken:-

(a) List of transmission lines identified by the petitioner shall be taken up for replacement of insulators with polymer insulations, in three phases and the first phase should be completed by November, 2008.

(b) Expenditure incurred by the petitioner for replacement of insulators on existing lines shall be capitalized and recovered through tariff.

(c) Member Secretary, NRPC to examine the issue of deemed liability of the petitioner's line for the shut down period for the replacement of insulators.

(d) NRPC to monitor the progress of replacement of insulators.

4. The petitioner has submitted that the total estimated completion cost of the project ₹14300 lakh. The petitioner has filed the present petition for determination of tariff based on the actual expenditure incurred upto the date of commercial operation and the additional capital expenditure projected to be incurred during 2011-12. The petitioner has submitted that NRPC has been deciding, monitoring the schedules and progress of implementation of insulators by various utilities and the petitioner. The petitioner has further submitted that the old insulators, which were subjected to high pollution levels and which have experienced various stresses of electrical faults would be tested for their healthiness and suitability for use in non-pollution areas. The healthier porcelain insulators would be utilized in other projects and capitalized at zero cost by accounting for the transmission, erection and commissioning cost etc.

5. The petitioner has sought recovery of the expenditure incurred towards replacement of porcelain insulators by polymer insulators by way of tariff, similar to any other normal tariff petition except for the O&M expenses. The petitioner has combined all the new insulators that are being put in to service as a single asset. The petition has been filed under Regulation 5 (2) of the 2009 Tariff Regulations which refers to tariff determination of a transmission project. However, the present petition pertains to a combination of different transmission lines from where the existing porcelain insulators are being taken out and replaced by polymer insulators. The petitioner has submitted that the healthier porcelain insulators (approx 8.12 lakh nos.) will be transferred and installed in the transmission schemes of less polluted stretches of NR and are proposed to be capitalized at zero cost. However, various other costs like transportation, handling, erection etc., are proposed to be capitalized in the respective projects. Approximately 2.5 lakh healthier disc insulators would be utilized in different regions by the petitioner under O&M replacements. The written down value of these insulators shall be booked to the O&M expenses and therefore, the same amount shall be passed on to the NR beneficiaries as credit in the monthly transmission charges billing.

6. No comments or suggestions have been received from the general public in response to the notices published by the petitioner under section 164 of the Electricity Act, 2003. Having heard the representative of the parties and perused the material on record, we proceed to dispose of the petition.

7. The Punjab State Power Corporation Limited (PSPCL), successor to Punjab State Electricity Board, Respondent No. 6, filed its reply vide its affidavit dated 30.3.2011, wherein following issues were raised:-

(a) The petitioner should be directed to reduce the cost of dismantled insulators from the capital cost of the line, otherwise the beneficiaries would be paying for tariff for both the cost of dismantled insulators and the proposed polymer insulators;

(b) The petitioner should give the details like number of dismantled insulators and how many are fit for reuse and how many are actually utilised in other lines; and

(c) As the polymer insulators are proposed to be procured from Chinese manufactures, the petitioner should give the details of steps/testing/specifications incorporated to ensure the quality of Chinese insulators and in particular the warrantee and the life of the insulators.

8. The petitioner has given the following clarifications to the reply filed by PSPCL, vide affidavit dated 28.8.2012.

(a) The porcelain insulators were perfectly in service and the availability of the transmission lines during 2007-08 has been 99%, which is well above the target availability specified in the 2009 Tariff Regulations, in spite of unprecedented pollution levels coupled with fog conditions. As per Regulation 12(c) of the 2009 Tariff Regulations, as long as the transmission lines with its components are

available for regular services the petitioner is entitled for tariff on capital expenditure incurred. The porcelain insulators are akin to the initial spares which although not in use are not taken out of the capital cost but are capitalised and the tariff is determined till the useful life of the project. In a similar case, where conventional energy meters were replaced by Special Energy Meters, the Commission allowed the tariff for Special Energy Meters and no de-capitalisation was done on account of ready to use conventional energy meters, vide order dated 9.11.2005 in Petition No. 101/2003. The porcelain insulators are replaced by polymer insulators at the behest of the beneficiaries and additional capitalization is incurred at the instance of beneficiaries. The instant case cannot be said to fall under assets not in use which applies only to a case where asset is taken out of use at the instance of petitioner;

(b) The total insulators dismantled are 1644154, the usable number of insulators is 1352300 and the quantity utilized are 736326; and

(c) To ensure the quality of polymer insulators, type tests, routine tests during manufacturing and acceptance tests before dispatch of polymer insulators are being done as per relevant Indian /International Standards (IEC).

9. Uttar Pradesh Power Corporation Limited (UPPCL), Respondent No. 9, vide its affidavit dated 25.10.2011 has requested the Commission to direct the petitioner to submit the following information:-

- (a) To submit design parameters of the polymer insulators used in the system of NR to combat atmospheric fog and contamination as per the relevant Indian Standard Specifications;
- (b) To show that the starting efficiency of these insulators as comparable with the existing insulators;
- (c) Certify that these anti-fog/contamination polymer insulators have been tested by laboratories which have been approved by the Department of Science and Technology, Government of India and accredited by National Accreditation Bureau of Laboratories. If so, what are the results compared to the existing ceramic type insulators;
- (d) To clarify the status of guarantee/warranty regarding the life of the polymer insulators which are being procured to combat atmospheric fog and contamination;
- (e) To give credit of the value of the replaced ceramic insulators and submit the corresponding revised certificate of the statutory auditors; and
- (f) To identify the cost of washing of the existing ceramic type insulators or greasing or painting of the insulators with silicone varnish and book the same to the provision of existing value of O&M.

UPPCL has also raised the issue of licence fee, service tax and petition filing fees these issues are dealt in respective paragraphs of this order.



10. The petitioner has submitted the following clarifications to the UPPCL's reply, vide affidavit dated 28.8.2012:-

(a) Polymer insulators are designed to operate in a very heavily polluted environment as per IEC-60815 having creepage distance of 31mm/kV;

(b) Polymer insulators are type tested for to withstand under 160kG/m<sup>3</sup> salinity level (very heavy pollution level) against 14 kg/m<sup>3</sup> salinity withstand level for conventional insulators (light pollution level);

(c) Polymer insulators are type tested as per relevant Indian/International Standards (IEC). As most of the manufacturing units are located outside India and all testing done in various test labs abroad, so approval of Department of Science and Technology Government of India and accredited by National Accreditation Bureau of Laboratories is not relevant;

(d) Polymer insulators are type tested for to withstand under 160kG/m<sup>3</sup> salinity level (very heavy pollution level) against 14 kg/m<sup>3</sup> salinity withstand level for conventional insulators (light pollution level);

(e) Manufacturer meeting the specified Qualifying Requirements i.e. manufacturing capacity, details of work executed, work in hand, anticipated in future and the balance capacity available for the present scope of work, past experience and performance, customer feedback, Banker's feedback etc. are eligible for bidding

(f) The details regarding credit of the replaced insulators has been submitted to the Commission vide affidavit dated 7.2.2011. The same shall be given after the receipt of the Commission's order in the instant petition; and

(g) Expenditure incurred towards/washing of conventional insulators in being booked under O&M.

11. BSES Rajdhani Power Limited (BRPL), Respondent No. 12, vide its reply dated 11.1.2012 has submitted that replacement of conventional ceramic insulators by polymer insulators should be funded from the Power System Development Fund (PSDF) with the requisite approval of the Commission. BRPL has also submitted that the funds for the entire project must be financed from PSDF with 100% debt and zero interest rate. The depreciation deducted by the petitioner on this debt capital will be utilised to pay back the loan taken from the PSDF. The petitioner has submitted that this would benefit the beneficiaries.

12. In response to BRPL's reply, the petitioner has clarified vide affidavit dated 10.2.2012 that the replacement of the insulators was deliberated in the 9th NRPC meeting followed by Special Meeting on 22.7.2008 and it was decided that the petitioner would replace the porcelain insulators with polymer insulators in identified stretches immediately and it may be considered as R&M activity. The expenditure incurred by the petitioner for replacement of insulators may be capitalised and recovered through tariff. Accordingly, the project has been funded through POWERGRID's Bond XXX in accordance with the Commission's normative Debt-Equity ratio of 70:30.

13. Similar issue of replacement of conventional insulators by polymer insulators was considered in Petition No. 287/2009 filed by Power links Transmission Limited. In that matter the Commission, vide para no. 16 of the order dated 16.3.2011, allowed reduction of the cost of the porcelain insulators, which were taken out of service from the capital cost. This was in accordance with the Regulation 7 of the 2009 Tariff Regulations, which states that assets forming part of the project, but not in use shall be taken out of the capital cost.

14. During the hearings on 1.11.2011 and 12.1.2012, the Commission observed that tariff is allowed for transmission line or sub-station and there was no provision for separate billing for insulators. The petitioner submitted that a single petition has been filed for all the lines to avoid multiplicity of proceedings. As the tariff is allowed for individual transmission lines, the petitioner was directed, vide Record of Proceedings dated 1.11.2011 to submit the line wise details and the following information:-

- (a) Line-wise accumulated depreciation associated with the decapitalised insulators up to the date of de-capitalisation and their original cost.
- (b) The audited figures corresponding to the expenditure incurred towards the polymer insulators.
- (c) Actual funding pattern for additional capital expenditure.

15. The petitioner submitted these details vide affidavits dated 4.1.2012 and 13.2.2012. After taking into consideration the reply filed by the respondents and the clarifications given by the petitioner it was decided to allow line wise tariff considering

the additional capital expenditure and de-capitalisation for the corresponding transmission lines.

16. The petition was heard on 14.2.2012 and orders were reserved in the matter. In the meanwhile, the petitioner filed an Interlocutory Application (IA), dated 3.5.2012, seeking further hearing in the matter to enable the petitioner to present relevant facts and circumstances in the matter. It was submitted that in similar case pertaining to Power Link Transmission Limited (PLTL), the Commission vide order dated 17.3.2011 in Petition No. 287/2009 allowed de-capitalisation of porcelain insulators and capitalisation with the composite Long Road Polymer Insulators. The petitioner has requested for similar treatment in the instant case. In Petition No. 287/2009 the Commission, in accordance with the proviso to Regulation 7(1)(c) of 2009 Tariff Regulations, had directed to reduce the cost of the porcelain insulators which were taken out of service from the capital cost and the petitioner was directed to make fresh efforts for sale of porcelain insulators and any loss suffered by PLTL on account of de-capitalization after adjusting the cost of sale of porcelain insulators was to be brought to the notice of the Commission for appropriate directions in the matter.

17. The petitioner, vide Written Submissions dated 28.8.2012, made the following submissions:-

- (a) The principle applied in Petition No. 287/2009 regarding replacement of porcelain insulators should be adopted in the instant case with the modification

that the petitioner is in a position to use the porcelain insulators and need not dispose them as a scrap;

(b) The Commission had proceeded on the basis that the replacement of porcelain insulators with Composite Long Road Polymer Insulators should not result in a loss to the transmission licensee can be more effectively implemented by allowing the petitioner to use porcelain insulators as mandatory spares in other areas. This will be beneficial to the respondent beneficiaries and will not cause any loss to the petitioner and, therefore, it is in the interest of all concerned;

(c) Keeping the value of the porcelain insulators in the capital cost to be serviced and reusing the porcelain in other areas as spares without de-capitalisation is the most appropriate course and will be in the larger interest of all concerned. This will enable porcelain insulators procured at a value to be used effectively for its useful life; and

(d) Polymer insulators have been procured and the in-service porcelain insulators are replaced at the behest of the beneficiaries. It is, therefore, an additional capital expenditure incurred at the instance of the beneficiaries and such a situation cannot be said to fall under Assets not in use which applies only to a case where Asset is taken out of use at the instance of the petitioner.

18. During the hearing on 30.8.2012 the learned counsel for BRPL submitted that the IA is not maintainable as it does not mention the legal provision under which the IA is

filed. He submitted that the hearings in the matter have concluded and hence it cannot be reheard. The Commission's order dated 17.3.2011 in Petition No. 287/2009 relied upon by the petitioner was already in the knowledge of the petitioner at the time of the hearing and hence there is nothing new which requires rehearing of the matter. He further submitted that the order dated 17.3.2011 is not applicable in the instant case. PLTL being a small licensee has no other transmission line and as the insulators could not be used elsewhere, the Commission directed it to sell the porcelain insulators. In the case of PGCIL, it has large number of transmission lines and the replaced insulators can be used in other transmission lines of the petitioner and there is no need to sell the porcelain insulators. In response, the representative of the petitioner submitted that the petitioner is entitled to place before the Commission, material, factual and legal aspects before the judgment is pronounced and hence PGCIL has sought rehearing in the matter. He submitted that in the case of PLTL the insulators were not in use and hence they were directed to be sold. In the instant case the sale of porcelain insulators is not necessary and they are in service and they still have useful life. The porcelain insulators are not taken out of the capital cost but are capitalized and the tariff is determined till the useful life of the project.

19. We have considered the submissions of the petitioner and respondents. The petitioner has made investment and blocked its funds and should not suffer on account of the decision to replace the porcelain insulators which has the consent of the beneficiaries. The beneficiaries should not be burdened with the capital cost of porcelain insulators which have been taken out of service. Accordingly, we had

suggested this following formula during the course of hearing on 30.8.2012, keeping in view the interest of both the petitioner and the beneficiaries and accordingly the petitioner and the beneficiaries were directed to file their comments on the suggested formula.

"The porcelain insulators which have been taken out of service shall be decapitalized and the polymer insulators which have been put into service in their place shall be capitalized in accordance with 2009 Tariff Regulations. The porcelain insulators which have been taken out of service shall be treated as spares and shall be allowed carrying cost on the written down value of the assets at the weighted average rate of interest of the loans availed by the petitioner till these insulators are put to use and capitalized. "

20. The petitioner has filed its response to the suggested formula vide affidavit dated 1.10.2011 and submitted that ordinarily the petitioner is entitled for the value of porcelain insulators that have been taken out with all incidence of tariff as in the case of other assets in use. The current rate of interest is higher than the Weighted Average Rate of Interest worked out on the basis of different types of loan. The petitioner is agreeable to the proposal for getting the carrying cost on the written down value of the porcelain insulators provided the carrying cost is calculated at the current rate of weighted average rate of interest and return on equity deployed by the petitioner for the entire value of the porcelain insulators till such time the porcelain insulators are put into service and capitalized. The petitioner also requested to include the handling charges, storage charges and insurance charges of the porcelain insulators, till they are put to use, in the capital value of the insulators. The written down value of the porcelain Insulators at the time when they are taken out of service together with the handling charges, storage charges and insurance charges be treated as a capital value for the purpose of determination of tariff with effect from its use. The petitioner has requested

that there should not be any reduction in the capital value of the insulators from the date they are taken out from service and the date on which they are put into service at other places.

21. BRPL, vide affidavit dated 27.9.2012, has made the following submissions in response to the formulation suggested by the Commission:-

(a) The protection given to Power Link Transmission Limited (PLTL) in Petition No. 287/2009 cannot be extended to the petitioner as PLTL is distinct from the petitioner. PLTL has no other transmission line to use the replaced insulators unlike the petitioner which has numerous other transmission lines. Further, the petitioner's request to allow the value of porcelain insulators to remain for tariff purposes without de-capitalisation is against Regulation 7(1) of the 2009 Tariff Regulations and it should be rejected.

(b) The petitioner is entitled for the tariff on capital expenditure as long as the asset is available for regular use and once the asset is removed from service the petitioner is not entitled for any further tariff. The petitioner's prayer is against proviso to Regulation 7(1) of the 2009 Tariff Regulations. The petitioner's contention that the replacement of porcelain insulators is not attributable to it is irrelevant.

(c) The porcelain insulators are different from the initial spares and Special Energy Meters and hence they cannot be compared.



(d) While framing the 2009 Tariff Regulations, the Electricity Act, 2003, the Tariff Policy 2006, protection of consumers interest and recovery of the cost of electricity has been considered and hence the petitioner's prayer for tariff over and above the 2009 Tariff Regulations should be rejected.

(e) The petitioner's assertion that the porcelain insulators are replaced at the behest of the beneficiaries is not correct and none of the beneficiaries were part of the meeting where a decision was taken to replace the porcelain insulators.

22. In its rejoinder to the reply filed by BRPL, dated 7.11.2012, the petitioner has clarified that in the case of PLTL the Commission held that PLTL should be compensated for the loss due to replacement of the conventional porcelain insulators. Similarly in the instant case, the porcelain insulators are being replaced by polymer insulators and there is expenditure involved in the decapitalisation of the porcelain insulators. As the facts are same in the case of PLTL and in the instant case the order dated 17.3.2011 is applicable in the instant case. As regards BRPL's contention that petitioner's prayer is against proviso to Regulation 7(1) of the 2009 Tariff Regulations, the petitioner has submitted that the replaced insulators are available for regular use and hence the instant case is covered under Regulation 7(1)(c) of the 2009 Tariff Regulations. The petitioner has reiterated that the replacement of the insulators is done not on account of the petitioner. As regards BRPL's contention that the beneficiaries were not consulted, the petitioner has submitted that the Delhi Transco Limited (DTL), predecessor of BRPL, was present in the meeting held on 9.3.2008 when the in-principle decision was taken to replace the porcelain insulators because of frequent

trippings. It has been further submitted that DTL was present in the special meeting held on 30.4.2008 and that the issue of replacement was discussed in the 5th & 6th NRPC Meeting and the 9th & 10th NRPC Meeting and hence it is incorrect on the part of BRPL to state that the beneficiaries were not consulted.

23. We have considered the submission of the petitioner and the respondents on the formula suggested by the Commission during the hearing on 30.8.2012. In our view, the formula suggested will protect the interest of the petitioner as well as the beneficiaries. While the polymer insulators shall be capitalized as they have been put to use and are rendering services to the beneficiaries, the porcelain insulators which have been taken out of the service shall be kept as spares to be used in the other lines of the petitioner. The porcelain insulators shall be de-capitalized from the date of their replacement and shall be capitalized when they are put to use in new lines. During the period between de-capitalization and subsequent capitalization of the porcelain insulators, there will be no depreciation. The de-capitalized porcelain insulators shall be allowed only carrying cost on the written down value of the assets at weighted average rate of interest on loans availed by the petitioner till the insulators are put to use and capitalized.

24. Accordingly, the polymer insulators have been capitalized and the transmission charges of these insulators have been determined in this order. Since the polymer insulators have been installed on various transmission lines, the cost of the insulators need to be capitalized in the capital cost of the respective transmission lines. Accordingly, line-wise capitalization and de-capitalization has been made in this order.

The annual transmission charges of the respective line shall stand modified in accordance with Annexure-II to this order. Further adjustment of the expenditure will be made in the transmission tariff of the respective transmission lines at the time of truing up.

### **Annual Transmission Charges for the period from 1.4.2009 to 31.3. 2014**

25. In view of above, the tariff has been worked out by considering de-capitalisation of porcelain insulators and additional capital expenditure of polymer insulators in the affected transmission line assets. As per the investment approval dated 4.9.2008, wherein "Replacement of Insulators in Transmission Lines in NR" was envisaged as a single project, the approved cost of the project is ₹ 23207 lakh. The annual transmission charges have been worked out as per following methodology.

### **Capital cost**

26. As regards capital cost, Regulation 7(1) of the 2009 Tariff Regulations provides that:-

“(a) The expenditure incurred or projected to be incurred, including interest during construction and financing charges, any gain or loss on account of foreign exchange risk variation during construction on the loan – (i) being equal to 70% of the funds deployed, in the event of the actual equity in excess of 30% of the funds deployed, by treating the excess equity as normative loan, or (ii) being equal to the actual amount of loan in the event of the actual equity less than 30% of the fund deployed, - up to the date of commercial operation of the project, as admitted by the Commission, after prudence check.

(b) capitalised initial spares subject to the ceiling rates specified in regulation 8: and

(c) additional capital expenditure determined under regulation 9:

Provided that the assets forming part of the project, but not in use shall be taken out of the capital cost.”

27. The petitioner, vide affidavit dated 13.2.2012 has submitted the transmission line-wise details of expenditure incurred towards new polymer insulators which are being put to use in place of porcelain insulators. The details of the transmission lines/system, where the existing porcelain insulators are replaced with polymer insulators, the capital cost as on 1.4.2009/DOCO and their 2009-14 period tariff orders are given hereunder:-

Asset No.	Project/Transmission Line [DOCO]	Petition No	Order Dated	Capital cost as on 1.4.2009/ DOCO (₹ in lakh)
1	Rihand Transmission System (HVDC) (1988-92)	326/2010	7.09.2012	71522.15
	Rihand Transmission System (AC) (1988-92)			57855.95
2	Tehri Transmission System (1.2.2007)	79/2011	26.03.2012	79246.08
3	Rihand-II Transmission System (1.11.2006)	319/2010	30.05.2011	90560.39
4	Auriya Transmission System (1989-91)	108/2009	15.09.2011	11733.84
5	Singrauli Transmission System (1982-87)	316/2010	13.08.2012	23474.88
6	Faridabad Gas Project Transmission (1.2.2000)	118/2010	06.05.2011	1208.78
7	NRSSS-I (LILO of Bareilly -Moradabad TL) (1.6.2008)	322/2010	23.05.2011	32808.26
8	NRSSS-V (Agra- Bhiwadi TL) (1.4.2010)	294/2010	05.07.2011	61796.66
9	NRSSS- VI (LILO of Ballabgarh-Bhiwadi) (1.7.2010)	343/2010	30.08.2012	10232.03
10	Moga-Hissar TL (1.7.1995)	106/2010	01.12.2010	12550.00
	Hissar-Bhiwani TL (1.2.1998)			2060.45
11	Nathpa- Jhakri Transmission System A-1(i) 400 kV Hissar-Jaipur TL with bays (ii) Bawana-BhiwaniCkt I&II with bays (1.2.1998)	16/2011	13.10.2011	19445.67
	A-2 400 kV Abdullapur-Bawana and Nalagarh-Hissar TL with associated bays (1.3.2001)			65619.37
	A-3 Nathpa-Jhakri- Abdullapur TL (1.4.2003)			68664.38
12	NRSSS-III (1.6.2008)	268/2010	04.04.2011	20709.59
13	NRSSS-II (1.4.2008)	163/2010	11.01.2011	23363.57

The capital cost as on 1.4.2009, given above, has been considered for revising the tariff of the transmission lines/systems.

### **Additional capital expenditure**

28. Regulation 9(2)(v) of 2009 Tariff Regulations provides as under:-

"(v) In case of transmission system any additional expenditure on items such as relays, control and instrumentation, computer system, power line carrier communication, DC batteries, replacement of switchyard equipment due to increase of fault level, emergency restoration system, insulators cleaning infrastructure, replacement of damaged equipment not covered by insurance and any other expenditure which has become necessary for successful and efficient operation of transmission system:"

29. The porcelain insulators which have been taken out of service shall be de-capitalized and the polymer insulators which have been put into service in their place shall be capitalized in accordance with the 2009 Tariff Regulations. Accordingly, the expenditure incurred during the period 2009-10 to 2011-12 has been considered towards additional capitalization along with the corresponding IDC and IEDC. Similarly, the gross block of the porcelain insulators being removed has been considered towards de-capitalisation. The additional capital expenditure and de-capitalisation amounts are given overleaf:-

(₹ in lakh)

Asset No.	Additional Capital Expenditure			De-capitalisation		
	2009-10	2010-11	2011-12	2009-10	2010-11	2011-12
1	754.71	377.50	0.00	995.85	464.60	0.00
	2512.69	788.29	0.00	2246.24	573.39	0.00
2	590.35	111.83	0.00	368.93	19.72	0.00
3	1177.62	445.50	0.00	785.67	416.22	0.00
4	273.45	252.44	0.00	70.25	83.98	0.00
5	256.82	236.52	0.00	66.59	72.03	0.00
6	0.00	156.30	0.00	0.00	12.63	0.00
7	0.00	34.96	0.00	0.00	26.64	0.00
8	0.00	869.71	0.00	0.00	868.51	657.12
9	0.00	110.08	0.00	0.00	78.20	0.00
10	481.46	507.57	0.00	116.55	181.03	0.00
	347.96	0.00	0.00	92.94	0.00	0.00
11	1311.18	802.08	0.00	443.12	812.83	0.00
	602.66	605.24	0.00	417.68	568.09	0.00
	0.00	0.00	307.62	0.00	0.00	293.19
12	210.75	137.38	837.67	142.19	147.55	0.00
13	119.32	15.04	0.00	75.14	13.63	0.00
<b>Total</b>	<b>8638.97</b>	<b>5450.44</b>	<b>1145.29</b>	<b>5721.15</b>	<b>4339.05</b>	<b>950.31</b>

The total additional capital expenditure is ₹15234.70 lakh and the de-capitalisation is ₹11010.51 lakh and accordingly the net additional capital expenditure is ₹4224.19 lakh.

### **Debt-Equity ratio**

30. Regulation 12 of the 2009 Tariff Regulations provides that,-

“12. **Debt-Equity Ratio.** (1) For a project declared under commercial operation on or after 1.4.2009, if the equity actually deployed is more than 30% of the capital cost, equity in excess of 30% shall be treated as normative loan:

Provided that where equity actually deployed is less than 30% of the capital cost, the actual equity shall be considered for determination of tariff:

Provided further that the equity invested in foreign currency shall be designated in Indian rupees on the date of each investment.

**Explanation.-**The premium, if any, raised by the generating company or the transmission licensee, as the case may be, while issuing share capital and investment of internal resources created out of its free reserve, for the funding of the project, shall be reckoned as paid up capital for the purpose of computing return on equity, provided such premium amount and internal resources are actually utilised for meeting the capital expenditure of the generating station or the transmission system.

(2) In case of the generating station and the transmission system declared under commercial operation prior to 1.4.2009, debt-equity ratio allowed by the Commission for determination of tariff for the period ending 31.3.2009 shall be considered.

(3) Any expenditure incurred or projected to be incurred on or after 1.4.2009 as may be admitted by the Commission as additional capital expenditure for determination of tariff, and renovation and modernisation expenditure for life extension shall be serviced in the manner specified in clause (1) of this regulation.”

31. As per the original petition, the financial package for the combined petition is as given below:-

Financial package as on notional date of commercial operation		
Particulars	Amount	%
Debt	6047.27	70.00
Equity	2591.68	30.00
Total	8638.95	100.00

32. The petitioner has considered notional date of commercial operation as 1.1.2010. Since transmission line wise additional capital expenditure and de-capitalisation is being considered, the actual loan amount as per the above table has been considered pro-rata to the additional capital expenditure incurred against the respective Transmission Lines during 2009-10. Similarly, the actual loan amount for add-capitalisation during 2010-11 has been considered on pro-rata basis against the respective assets. For the period 2011-12, the petitioner has not submitted the loan and this implies that during 2011-12 additional capital expenditure has been funded through 100% equity. However, while working out the tariff, the additional capital expenditure for 2009-10, 2010-11 and 2011-12 has been segregated into notional debt-equity ratio of 70:30.

## Return on Equity

33. Regulation 15 of the 2009 Tariff Regulations provides that:-

“15. (1) Return on equity shall be computed in rupee terms, on the equity base determined in accordance with regulation 12.

(2) Return on equity shall be computed on pre-tax basis at the base rate of 15.5% to be grossed up as per clause (3) of this regulation:

Provided that in case of projects commissioned on or after 1st April, 2009, an additional return of 0.5% shall be allowed if such projects are completed within the timeline specified in **Appendix-II**:

Provided further that the additional return of 0.5% shall not be admissible if the project is not completed within the timeline specified above for reasons whatsoever.

(3) The rate of return on equity shall be computed by grossing up the base rate with the Minimum Alternate/Corporate Income Tax Rate for the year 2008-09, as per the Income Tax Act, 1961, as applicable to the concerned generating company or the transmission licensee, as the case may be:

(4) Rate of return on equity shall be rounded off to three decimal points and be computed as per the formula given below:

Rate of pre-tax return on equity = Base rate / (1-t)

Where 't' is the applicable tax rate in accordance with clause (3) of this regulation.

(5) The generating company or the transmission licensee as the case may be, shall recover the shortfall or refund the excess Annual Fixed charge on account of Return on Equity due to change in applicable Minimum Alternate/ Corporate Income Tax Rate as per the Income Tax Act, 1961 (as amended from time to time) of the respective financial year directly without making any application before the Commission.

Provided further that Annual Fixed charge with respect to the tax rate applicable to the generating company or the transmission licensee, as the case may be, in line with the provisions of the relevant Finance Acts of the respective financial year during the tariff period shall be trued up in accordance with Regulation 6 of these regulations"

34. The Return on Equity for all the Transmission Lines have been worked out as per the above said regulation.



## **Interest on Loan**

35. Regulation 16 of the 2009 Tariff Regulations provides that-

“16. (1) The loans arrived at in the manner indicated in regulation 12 shall be considered as gross normative loan for calculation of interest on loan.

(2) The normative loan outstanding as on 1.4.2009 shall be worked out by deducting the cumulative repayment as admitted by the Commission up to 31.3.2009 from the gross normative loan.

(3) The repayment for the year of the tariff period 2009-14 shall be deemed to be equal to the depreciation allowed for that year:

(4) Notwithstanding any moratorium period availed by the generating company or the transmission licensee, as the case may be the repayment of loan shall be considered from the first year of commercial operation of the project and shall be equal to the annual depreciation allowed,.

(5) The rate of interest shall be the weighted average rate of interest calculated on the basis of the actual loan portfolio at the beginning of each year applicable to the project:

Provided that if there is no actual loan for a particular year but normative loan is still outstanding, the last available weighted average rate of interest shall be considered:

Provided further that if the generating station or the transmission system, as the case may be, does not have actual loan, then the weighted average rate of interest of the generating company or the transmission licensee as a whole shall be considered.

(6) The interest on loan shall be calculated on the normative average loan of the year by applying the weighted average rate of interest.

(7) The generating company or the transmission licensee, as the case may be, shall make every effort to re-finance the loan as long as it results in net savings on interest and in that event the costs associated with such re-financing shall be borne by the beneficiaries and the net savings shall be shared between the beneficiaries and the generating company or the transmission licensee, as the case may be, in the ratio of 2:1.

(8) The changes to the terms and conditions of the loans shall be reflected from the date of such re-financing.

(9) In case of dispute, any of the parties may make an application in accordance with the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999, as amended from time to time, including statutory re-enactment thereof for settlement of the dispute:

Provided that the beneficiary or the transmission customers shall not withhold any payment on account of the interest claimed by the generating company or the transmission licensee during the pendency of any dispute arising out of re-financing of loan.”

36. The interest on loan has been worked out as detailed below:-

(i) Gross amount of loan, repayment of instalments and rate of interest and weighted average rate of interest on actual average loan have been considered as per the tariff orders indicated in Para No. 27 of the instant order.

(ii) The petitioner, in Form-6 and Form-13 of the original petition, has indicated actual loan as on DOCO (Bond XXX) which is the combined loan considered for polymer insulators. As tariff is being awarded line wise, this loan amount has been allocated on a pro-rata basis corresponding to the additional capital expenditure incurred during 2009-10. Further, the actual funding details (Bond XXX and Bond XXXIII) submitted by the petitioner, vide affidavit dated 4.1.2012, for additional capital expenditure during 2010-11 have been allocated on pro-rata basis to the ACE amount. These actual loans have been added to the loan portfolios considered in the tariff order mentioned at (i) above for working out the weighted average rate of interest.

(iii) Tariff has been worked out considering normative loan and normative repayments. Depreciation allowed has been taken as normative repayment for the tariff period 2009-14.

(iv) Weighted average rate of interest on actual loan worked out at (ii) above has been applied on the notional average loan during the year to arrive at the interest on loan.

37. Detailed calculation of the weighted average rate of interest has been given in Annexure I/A to Annexure I/M to this order.

## **Depreciation**

38. Regulation 17 (4) of the 2009 Tariff Regulations provides as under:-

"Depreciation shall be calculated annually based on Straight Line Method and at rates specified in Appendix-III to these regulations for the assets of the generating station and transmission system:

Provided that, the remaining depreciable value as on 31<sup>th</sup> March of the year closing after a period of 12 years from date of commercial operation shall be spread over the balance useful life of the asset".

39. Depreciation has been worked out as per Regulation 17 of the 2009 Tariff Regulations. The transmission line wise accumulated depreciation corresponding to the de-capitalised insulators has been submitted by the petitioner vide affidavit dated 13.2.2012. These values of depreciation have been reduced from the accumulated depreciation amount of the individual transmission line assets during the years when de-capitalisation was carried out.

## **Operation & Maintenance Expenses**

40. O & M expenses have been considered as per the original tariff orders of the respective transmission lines.

## **Interest on working capital**

41. The components of the working capital and the interest thereon are as under:-

(i) Receivables:- As per Regulation 18 (1) (c) (i) of the 2009 Tariff Regulations, receivables will be equivalent to two months of fixed cost. In the

tariff being allowed, receivables have been worked out on the basis of 2 months transmission charges.

(ii) Maintenance spares:- Regulation 18(1)(c)(ii) of the 2009 Tariff Regulations provides for maintenance spares @ 15% per annum of the O & M expenses from 1.4.2009. The value of maintenance spares has accordingly been worked out.

(iii) O & M expenses:-Regulation 18(1) (c) (iii) of the 2009 Tariff Regulations provides for operation and maintenance expenses for one month as a component of working capital. O & M expenses as per the original orders have been considered.

(iv) Rate of interest on working capital:-Rate of interest on working capital as applied in the original tariff orders has been considered.

### **Transmission charges**

42. The transmission charges being allowed for the transmission lines are given hereunder:-

(₹ in lakh)					
<b>Total of Transmission line wise tariffs worked out in petition 305/2010:</b>					
	2009-10	2010-11	2011-12	2012-13	2013-14
Depreciation	23760.46	27130.16	27661.75	27734.21	25049.17
IOL	13358.34	13572.10	12145.95	10427.67	8832.86
ROE	33436.09	37421.50	37861.23	37973.74	38056.69
IWC	2306.47	2553.49	2597.82	2622.53	2594.99
O&M	16712.01	18743.17	19853.26	20988.15	22185.57
<b>Total</b>	<b>89573.38</b>	<b>99420.42</b>	<b>100120.00</b>	<b>99746.30</b>	<b>96719.28</b>

43. The petitioner has requested to include the carrying cost like handling charges, storage charges and insurance charges incurred during storage of the porcelain insulators as a part of capital cost. Carrying cost refers to the total cost of holding inventory which includes storage as well as insurance. Adding carrying cost to the capital cost would burden the beneficiaries and hence the carrying cost is not included in the capital cost. Handling charges shall be considered as a part of transportation charges and shall be allowed as one time charges after they have been incurred. The carrying cost shall be separately worked out once the removed porcelain insulators have been put to use and capitalized and the carrying period is known. The petitioner is directed to approach the Commission alongwith the details of Gross Block of dismantled insulators, their accumulated depreciation, dates of removal from the original transmission lines and dates on which they are capitalized at other places/regions. The petitioner is also directed to provide cost details of remaining porcelain insulators.

#### **Filing fee and the publication expenses**

44. The petitioner has sought reimbursement of fee paid by it for filing the petition and publication expenses. UPPCL in its reply has submitted that the filing fee should be governed by the Commission's order. In accordance with the Commission's order dated 11.1.2010 in Petition No. 109/2009, pertaining to 2009-14 period, the petitioner shall be entitled to recover the filing fee directly from the beneficiaries on *pro-rata* basis. The petitioner shall also be entitled for reimbursement of the publication expenses in connection with the present petition, directly from the beneficiary on *pro-rata* basis.

### **Licence fee**

45. The petitioner has submitted that in O&M norms for tariff block 2009-14 the cost associated with license fees had not been captured and the license fee may be allowed to be recovered separately from the respondents. UPPCL has submitted that licence fee is onus of the petitioner and hence the petitioner's prayer for reimbursement of licence fee by the beneficiaries should be rejected. The petitioner in its rejoinder has stated that licence fee is a new component of cost from 2008-09 and therefore the licence fee shall be recovered separately from the beneficiaries. We have considered the submissions of the petitioner and UPPCL. The petitioner shall be entitled for reimbursement of licence fee in accordance with Regulation 42A(1)(b) of the 2009 Tariff Regulations.

### **Service tax**

46. The petitioner has made a prayer to be allowed to bill and recover the service tax on transmission charges separately from the respondents, if the exemption for service tax is withdrawn in future. UPPCL has submitted that service tax on transmission of electricity is exempted. We consider the prayer of the petitioner pre-mature and accordingly this prayer is rejected.

### **Sharing of transmission charges**

47. The transmission charges allowed shall be recovered on monthly basis in accordance with Regulation 23 and shared by the beneficiaries in accordance with Regulation 33 of the 2009 Tariff Regulations up to 30.6.2011. With effect from 1.7.2011, the billing, collection & disbursement of the transmission charges shall be governed by

the provision of Central Electricity Regulatory Commission (sharing of inter-state transmission charges and losses) Regulations, 2010 as amended.

48. This order disposes of Petition No. 305/2010.

Sd/-  
**(M. Deena Dayalan)**  
Member

Sd/-  
**(V. S. Verma)**  
Member

Sd/-  
**(S. Jayaraman)**  
Member

Sd/-  
**(Dr. Pramod Deo)**  
Chairperson

## Petition No. 326 of 2010

	<b>Name of the Company:</b>	<b>PGCIL</b>				
	<b>Name of the Tr. System:</b>	<b>Asset-I: Rihand Transmission System ( HVDC Portion)</b>				
	<b>Notional DOCO:</b>	<b>1988-1992</b>				
	<b>Petition No.:</b>	<b>326/2010</b>				
	<b>Tariff setting Period:</b>	<b>2009-14</b>				
<b>CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN</b>						
(₹ in lakh)						
	<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>IBRD I</b>					
	Gross loan opening	<b>414.21</b>	<b>414.21</b>	<b>414.21</b>	<b>414.21</b>	<b>414.21</b>
	Cumulative Repayment upto DOCO/previous year	<b>232.63</b>	<b>268.01</b>	<b>306.06</b>	<b>347.00</b>	<b>391.03</b>
	Net Loan-Opening	181.58	146.20	108.15	67.21	23.18
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	35.38	38.06	40.93	44.03	23.27
	Net Loan-Closing	146.20	108.15	67.21	23.18	0.00
	Average Loan	163.89	127.17	87.68	45.20	11.59
	Rate of Interest	8.34%	8.34%	8.34%	8.34%	8.34%
	Interest	13.67	10.61	7.31	3.77	0.97
	Rep Schedule	30 half yearly instalments from 1-12-1998				
<b>2</b>	<b>BOND-I (Issue-III)</b>					
	Gross loan opening	<b>131.40</b>	<b>131.40</b>	<b>131.40</b>	<b>131.40</b>	<b>131.40</b>
	Cumulative Repayment upto DOCO/previous year	<b>131.40</b>	<b>131.40</b>	<b>131.40</b>	<b>131.40</b>	<b>131.40</b>
	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	Loan repaid				
<b>3</b>	<b>LIC -II (Replacement of GOI loan)</b>					
	Gross loan opening	<b>8858.08</b>	<b>8858.08</b>	<b>8858.08</b>	<b>8858.08</b>	<b>8858.08</b>
	Cumulative Repayment upto DOCO/previous year	<b>8403.96</b>	<b>8858.08</b>	<b>8858.08</b>	<b>8858.08</b>	<b>8858.08</b>
	Net Loan-Opening	454.12	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	454.12	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	227.06	0.00	0.00	0.00	0.00
	Rate of Interest	6.30%	6.30%	6.30%	6.30%	6.30%



	Interest	14.30	0.00	0.00	0.00	0.00
	Rep Schedule					
<b>4</b>	<b>NTPC Bond</b>					
	Gross loan opening	<b>82.20</b>	<b>82.20</b>	<b>82.20</b>	<b>82.20</b>	<b>82.20</b>
	Cumulative Repayment upto DOCO/previous year	<b>82.20</b>	<b>82.20</b>	<b>82.20</b>	<b>82.20</b>	<b>82.20</b>
	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					Loan repaid
<b>5</b>	<b>ING Bank</b>					
	Gross loan opening	<b>692.18</b>	<b>692.18</b>	<b>692.18</b>	<b>692.18</b>	<b>692.18</b>
	Cumulative Repayment upto DOCO/previous year	<b>692.18</b>	<b>692.18</b>	<b>692.18</b>	<b>692.18</b>	<b>692.18</b>
	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					Loan repaid
<b>6</b>	<b>SUMITOMO</b>					
	Gross loan opening	<b>3997.21</b>	<b>3997.21</b>	<b>3997.21</b>	<b>3997.21</b>	<b>3997.21</b>
	Cumulative Repayment upto DOCO/previous year	<b>3997.21</b>	<b>3997.21</b>	<b>3997.21</b>	<b>3997.21</b>	<b>3997.21</b>
	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	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule					Loan repaid
<b>7</b>	<b>IBJ-III</b>					
	Gross loan opening	<b>3269.26</b>	<b>3269.26</b>	<b>3269.26</b>	<b>3269.26</b>	<b>3269.26</b>
	Cumulative Repayment upto DOCO/previous year	<b>3269.26</b>	<b>3269.26</b>	<b>3269.26</b>	<b>3269.26</b>	<b>3269.26</b>

	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	Loan repaid				
<b>8</b>	<b>BOND XXXIII (Add-Cap)</b>					
	Gross loan opening	0.00	<b>0.00</b>	<b>113.38</b>	<b>113.38</b>	<b>113.38</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	113.38	113.38	113.38
	Additions during the year	0.00	113.38	0.00	0.00	238.11
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	113.38	113.38	113.38	351.49
	Average Loan	0.00	56.69	113.38	113.38	232.44
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	4.90	9.80	9.80	20.08
	Rep Schedule	12 Annual Instalments from 08.07.2014				
<b>9</b>	<b>BOND XXX</b>					
	Gross loan opening	0.00	<b>528.30</b>	<b>540.47</b>	<b>540.47</b>	<b>540.47</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	528.30	540.47	540.47	540.47
	Additions during the year	528.30	12.17	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	45.04
	Net Loan-Closing	528.30	540.47	540.47	540.47	495.43
	Average Loan	264.15	534.38	540.47	540.47	517.95
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	22.82	46.17	46.70	46.70	44.75
	Rep Schedule	12 Annual Instalments from 29.09.2013				
	<b>Total Loan</b>					
	Gross loan opening	17444.54	17972.84	18098.39	18098.39	18098.39
	Cumulative Repayment upto DOCO/previous year	16808.84	17298.34	17336.39	17377.33	17421.36
	Net Loan-Opening	635.70	674.50	761.99	721.06	677.03
	Additions during the year	528.30	125.55	0.00	0.00	238.11
	Repayment during the year	489.50	38.06	40.93	44.03	68.31
	Net Loan-Closing	674.50	761.99	721.06	677.03	846.92
	Average Loan	655.10	718.25	741.53	699.04	761.97
	<b>Weighted Average Rate of Interest</b>	<b>7.7539%</b>	<b>8.5869%</b>	<b>8.6045%</b>	<b>8.6206%</b>	<b>8.6354%</b>
	<b>Interest</b>	50.80	61.67	63.80	60.26	65.80

**Annexure-I/A(ii)**

	<b>Name of the Company:</b>	<b>PGCIL</b>				
	<b>Name of the Tr. System:</b>	<b>Asset-II: Rihand Transmission System (AC Portion)</b>				
	<b>Notional DOCO:</b>	<b>1988-1992</b>				
	<b>Petition No.:</b>	<b>326/2010</b>				
	<b>Tariff setting Period:</b>	<b>2009-14</b>				
<b>CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN</b>						
(₹ in lakh)						
	<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>IBRD I</b>					
	Gross loan opening	335.07	335.07	335.07	335.07	335.07
	Cumulative Repayment upto DOCO/previous year	188.25	<b>216.84</b>	<b>247.60</b>	<b>280.68</b>	<b>316.27</b>
	Net Loan-Opening	146.82	118.23	87.47	54.39	18.80
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	28.59	30.76	33.08	35.59	18.80
	Net Loan-Closing	118.23	87.47	54.39	18.80	0.00
	Average Loan	132.52	102.85	70.93	36.60	9.40
	Rate of Interest	8.34%	8.34%	8.34%	8.34%	8.34%
	Interest	11.05	8.58	5.92	3.05	0.78
	Rep Schedule	30 half yearly instalments from 1-12-1998				
<b>2</b>	<b>BOND-I</b>					
	Gross loan opening	106.30	<b>106.30</b>	<b>106.30</b>	<b>106.30</b>	<b>106.30</b>
	Cumulative Repayment upto DOCO/previous year	106.30	<b>106.30</b>	<b>106.30</b>	<b>106.30</b>	<b>106.30</b>
	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	Loan Repaid				
<b>3</b>	<b>LIC -III</b>					
	Gross loan opening	7165.51	<b>7165.51</b>	<b>7165.51</b>	<b>7165.51</b>	<b>7165.51</b>
	Cumulative Repayment upto DOCO/previous year	6798.17	<b>7165.51</b>	<b>7165.51</b>	<b>7165.51</b>	<b>7165.51</b>
	Net Loan-Opening	367.34	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	367.34	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	0.00	0.00	0.00	0.00
	Average Loan	183.67	0.00	0.00	0.00	0.00
	Rate of Interest	6.30%	6.30%	6.30%	6.30%	6.30%
	Interest	11.57	0.00	0.00	0.00	0.00

	Rep Schedule					
<b>4</b>	<b>NTPC Bond</b>					
	Gross loan opening	66.50	<b>66.50</b>	<b>66.50</b>	<b>66.50</b>	<b>66.50</b>
	Cumulative Repayment upto DOCO/previous year	66.50	<b>66.50</b>	<b>66.50</b>	<b>66.50</b>	<b>66.50</b>
	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	Loan Repaid				
<b>5</b>	<b>ING Bank</b>					
	Gross loan opening	559.92	<b>559.92</b>	<b>559.92</b>	<b>559.92</b>	<b>559.92</b>
	Cumulative Repayment upto DOCO/previous year	559.92	<b>559.92</b>	<b>559.92</b>	<b>559.92</b>	<b>559.92</b>
	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	Loan Repaid				
<b>6</b>	<b>SUMITOMO</b>					
	Gross loan opening	3233.44	<b>3233.44</b>	<b>3233.44</b>	<b>3233.44</b>	<b>3233.44</b>
	Cumulative Repayment upto DOCO/previous year	3233.44	<b>3233.44</b>	<b>3233.44</b>	<b>3233.44</b>	<b>3233.44</b>
	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	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Loan Repaid				
<b>7</b>	<b>IBJ-III</b>					
	Gross loan opening	2644.59	<b>2644.59</b>	<b>2644.59</b>	<b>2644.59</b>	<b>2644.59</b>
	Cumulative Repayment upto DOCO/previous year	2644.59	<b>2644.59</b>	<b>2644.59</b>	<b>2644.59</b>	<b>2644.59</b>
	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	Loan Repaid				
<b>8</b>	<b>BOND XXXIII</b>					
	Gross loan opening	0.00	<b>0.00</b>	<b>236.76</b>	<b>496.60</b>	<b>629.59</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	236.76	496.60	629.59
	Additions during the year	0.00	236.76	259.84	132.99	490.72
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	236.76	496.60	629.59	1120.31
	Average Loan	0.00	118.38	366.68	563.10	874.95
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	10.23	31.68	48.65	75.60
	Rep Schedule	12 Annual Instalments from 08.07.2014				
<b>9</b>	<b>IBJ-II Tr. D</b>					
	Gross loan opening	798.87	<b>798.87</b>	<b>798.87</b>	<b>798.87</b>	<b>798.87</b>
	Cumulative Repayment upto DOCO/previous year	798.87	<b>798.87</b>	<b>798.87</b>	<b>798.87</b>	<b>798.87</b>
	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	17.84%	17.84%	17.84%	17.84%	17.84%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Loan Repaid				
<b>10</b>	<b>COMMERZ BANK</b>					
	Gross loan opening	427.63	<b>427.63</b>	<b>427.63</b>	<b>427.63</b>	<b>427.63</b>
	Cumulative Repayment upto DOCO/previous year	427.63	<b>427.63</b>	<b>427.63</b>	<b>427.63</b>	<b>427.63</b>
	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	15.80%	15.80%	15.80%	15.80%	15.80%
	Interest	0.00	0.00	0.00	0.00	0.00
	Rep Schedule	Loan Repaid				

<b>11</b>	<b>BOND XXX</b>					
	Gross loan opening	0.00	<b>1758.88</b>	<b>1784.30</b>	<b>1784.30</b>	<b>1784.30</b>
	Cumulative Repayment upto DOC0/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	1758.88	1784.30	1784.30	1784.30
	Additions during the year	1758.88	25.42	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	148.69
	Net Loan-Closing	1758.88	1784.30	1784.30	1784.30	1635.61
	Average Loan	879.44	1771.59	1784.30	1784.30	1709.96
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	75.98	153.07	154.16	154.16	147.74
	Rep Schedule	12 Annual Instalments from 29.09.2013				
	<b>Total Loan</b>					
	Gross loan opening	15337.83	17096.71	17358.89	17618.73	17751.72
	Cumulative Repayment upto DOC0/previous year	14823.67	15219.60	15250.36	15283.44	15319.03
	Net Loan-Opening	514.16	1877.11	2108.53	2335.29	2432.70
	Additions during the year	1758.88	262.18	259.84	132.99	490.72
	Repayment during the year	395.93	30.76	33.08	35.59	167.50
	Net Loan-Closing	1877.11	2108.53	2335.29	2432.70	2755.92
	Average Loan	1195.64	1992.82	2221.91	2384.00	2594.31
	<b>Weighted Average Rate of Interest</b>	<b>8.2473%</b>	<b>8.6245%</b>	<b>8.6304%</b>	<b>8.6354%</b>	<b>8.6389%</b>
	<b>Interest</b>	98.61	171.87	191.76	205.87	224.12

## Petition No. 79 of 2011

<b>Name of the Company:</b>	<b>PGCIL</b>
<b>Name of the Tr. System:</b>	<b>Stage-II - (e) ICT-1 along with associated bays at Meerut, (f) Tehri-Meerut line Ckt-I along with associated bay at meerut end, (g)Tehri-Meerut Ckt-II along with associated bay at Meerut end and 400 kV SC Meerut-Muzzafarnagar TL along with associated bays and (h) ICT at Muzaffarnagar along with one no 400 kV and one no 220 kV bay</b>
<b>Notional DOCO:</b>	<b>01.02.2007</b>
<b>Petition No.:</b>	<b>79/TT/2011</b>
<b>Tariff setting Period:</b>	<b>2009-14</b>

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

(₹ in lakh)

	<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>Bond- VIII</b>					
	Gross loan opening	<b>335.00</b>	<b>335.00</b>	<b>335.00</b>	<b>335.00</b>	<b>335.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>134.00</b>	<b>167.50</b>	<b>201.00</b>	<b>234.50</b>	<b>268.00</b>
	Net Loan-Opening	201.00	167.50	134.00	100.50	67.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	33.50	33.50	33.50	33.50	33.50
	Net Loan-Closing	167.50	134.00	100.50	67.00	33.50
	Average Loan	184.25	150.75	117.25	83.75	50.25
	Rate of Interest	10.35%	10.35%	10.35%	10.35%	10.35%
	Interest	19.07	15.60	12.14	8.67	5.20
	Rep Schedule	10 annual instalments from 27-04-2005				
<b>2</b>	<b>PFC</b>					
	Gross loan opening	<b>8702.00</b>	<b>8702.00</b>	<b>8702.00</b>	<b>8702.00</b>	<b>8702.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>5656.31</b>	<b>6526.51</b>	<b>7396.71</b>	<b>8266.91</b>	<b>8702.01</b>
	Net Loan-Opening	3045.69	2175.49	1305.29	435.09	-0.01
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	870.20	870.20	870.20	435.10	0.00
	Net Loan-Closing	2175.49	1305.29	435.09	-0.01	-0.01
	Average Loan	2610.59	1740.39	870.19	217.54	-0.01
	Rate of Interest	9.25%	9.25%	9.25%	9.25%	9.25%
	Interest	241.48	160.99	80.49	20.12	0.00
	Rep Schedule	40 Equal Quarterly Instalments from 15.10.2002				
<b>3</b>	<b>Bond- VI</b>					
	Gross loan opening	<b>396.00</b>	<b>396.00</b>	<b>396.00</b>	<b>396.00</b>	<b>396.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>277.20</b>	<b>316.80</b>	<b>356.40</b>	<b>396.00</b>	<b>396.00</b>
	Net Loan-Opening	118.80	79.20	39.60	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00

	Repayment during the year	39.60	39.60	39.60	0.00	0.00
	Net Loan-Closing	79.20	39.60	0.00	0.00	0.00
	Average Loan	99.00	59.40	19.80	0.00	0.00
	Rate of Interest	13.13%	13.13%	13.13%	13.13%	13.13%
	Interest	13.00	7.80	2.60	0.00	0.00
	Rep Schedule	10 Annual Instalments from 06.12.2002				
<b>4</b>	<b>Bond XIII (Option II)</b>					
	Gross loan opening	<b>1443.00</b>	<b>1443.00</b>	<b>1443.00</b>	<b>1443.00</b>	<b>1443.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1443.00</b>	<b>1443.00</b>	<b>1443.00</b>	<b>1443.00</b>	<b>1443.00</b>
	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 31.07.2003				
<b>5</b>	<b>Bond XI (Option II)</b>					
	Gross loan opening	<b>1520.00</b>	<b>1520.00</b>	<b>1520.00</b>	<b>1520.00</b>	<b>1520.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1520.00</b>	<b>1520.00</b>	<b>1520.00</b>	<b>1520.00</b>	<b>1520.00</b>
	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 07.12.2003				
<b>6</b>	<b>Bond XI (Option I)</b>					
	Gross loan opening	<b>8684.00</b>	<b>8684.00</b>	<b>8684.00</b>	<b>8684.00</b>	<b>8684.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>2894.69</b>	<b>3618.36</b>	<b>4342.02</b>	<b>5065.69</b>	<b>5789.36</b>
	Net Loan-Opening	5789.31	5065.64	4341.98	3618.31	2894.64
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	723.67	723.67	723.67	723.67	723.67
	Net Loan-Closing	5065.64	4341.98	3618.31	2894.64	2170.98
	Average Loan	5427.48	4703.81	3980.14	3256.48	2532.81
	Rate of Interest	9.80%	9.80%	9.80%	9.80%	9.80%
	Interest	531.89	460.97	390.05	319.13	248.22
	Rep Schedule	12 Annual instalments from 07.12.2005				
<b>7</b>	<b>ICICI</b>					
	Gross loan opening	<b>4076.00</b>	<b>4076.00</b>	<b>4076.00</b>	<b>4076.00</b>	<b>4076.00</b>



	Cumulative Repayment upto DOCO/previous year	<b>2445.60</b>	<b>2853.20</b>	<b>3260.80</b>	<b>3668.40</b>	<b>4076.00</b>
	Net Loan-Opening	1630.40	1222.80	815.20	407.60	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	407.60	407.60	407.60	407.60	0.00
	Net Loan-Closing	1222.80	815.20	407.60	0.00	0.00
	Average Loan	1426.60	1019.00	611.40	203.80	0.00
	Rate of Interest	7.32%	7.32%	7.32%	7.32%	7.32%
	Interest	104.43	74.59	44.75	14.92	0.00
	Rep Schedule	10 Annual instalments from 29.06.2003				
<b>8</b>	<b>Corp Bank</b>					
	Gross loan opening	<b>932.00</b>	<b>932.00</b>	<b>932.00</b>	<b>932.00</b>	<b>932.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>512.60</b>	<b>605.80</b>	<b>699.00</b>	<b>792.20</b>	<b>885.40</b>
	Net Loan-Opening	419.40	326.20	233.00	139.80	46.60
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	93.20	93.20	93.20	93.20	46.60
	Net Loan-Closing	326.20	233.00	139.80	46.60	0.00
	Average Loan	372.80	279.60	186.40	93.20	23.30
	Rate of Interest	11.40%	11.40%	11.40%	11.40%	11.40%
	Interest	42.50	31.87	21.25	10.62	2.66
	Rep Schedule	20 half yearly instalments from 10.03.2004				
<b>9</b>	<b>PNB-I</b>					
	Gross loan opening	<b>1865.00</b>	<b>1865.00</b>	<b>1865.00</b>	<b>1865.00</b>	<b>1865.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1119.00</b>	<b>1305.50</b>	<b>1492.00</b>	<b>1678.50</b>	<b>1865.00</b>
	Net Loan-Opening	746.00	559.50	373.00	186.50	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	186.50	186.50	186.50	186.50	0.00
	Net Loan-Closing	559.50	373.00	186.50	0.00	0.00
	Average Loan	652.75	466.25	279.75	93.25	0.00
	Rate of Interest	9.41%	9.41%	9.41%	9.41%	9.41%
	Interest	61.42	43.87	26.32	8.77	0.00
	Rep Schedule	10 Annual instalments from 30.03.2004				
<b>10</b>	<b>PNB-II</b>					
	Gross loan opening	<b>1819.00</b>	<b>1819.00</b>	<b>1819.00</b>	<b>1819.00</b>	<b>1819.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>757.92</b>	<b>909.51</b>	<b>1061.09</b>	<b>1212.67</b>	<b>1364.26</b>
	Net Loan-Opening	1061.08	909.49	757.91	606.33	454.74
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	151.58	151.58	151.58	151.58	151.58
	Net Loan-Closing	909.49	757.91	606.33	454.74	303.16
	Average Loan	985.29	833.70	682.12	530.54	378.95
	Rate of Interest	9.35%	9.35%	9.35%	9.35%	9.35%
	Interest	92.12	77.95	63.78	49.61	35.43
	Rep Schedule	12 Annual instalments from 08.03.2005				

<b>11</b>	<b>OBC</b>					
	Gross loan opening	<b>1342.00</b>	<b>1342.00</b>	<b>1342.00</b>	<b>1342.00</b>	<b>1342.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>559.17</b>	<b>671.01</b>	<b>782.84</b>	<b>894.67</b>	<b>1006.51</b>
	Net Loan-Opening	782.83	670.99	559.16	447.33	335.49
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	111.83	111.83	111.83	111.83	111.83
	Net Loan-Closing	670.99	559.16	447.33	335.49	223.66
	Average Loan	726.91	615.08	503.24	391.41	279.58
	Rate of Interest	9.60%	9.60%	9.60%	9.60%	9.60%
	Interest	69.78	59.05	48.31	37.58	26.84
	Rep Schedule	12 Annual instalments from 22.03.2005				
<b>12</b>	<b>Bond-X</b>					
	Gross loan opening	<b>7810.00</b>	<b>7810.00</b>	<b>7810.00</b>	<b>7810.00</b>	<b>7810.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>3254.17</b>	<b>3905.01</b>	<b>4555.84</b>	<b>5206.67</b>	<b>5857.51</b>
	Net Loan-Opening	4555.83	3904.99	3254.16	2603.33	1952.49
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	650.83	650.83	650.83	650.83	650.83
	Net Loan-Closing	3904.99	3254.16	2603.33	1952.49	1301.66
	Average Loan	4230.41	3579.58	2928.74	2277.91	1627.08
	Rate of Interest	10.90%	10.90%	10.90%	10.90%	10.90%
	Interest	461.11	390.17	319.23	248.29	177.35
	Rep Schedule	12 Annual instalments from 21.06.2004				
<b>13</b>	<b>Bond- VII</b>					
	Gross loan opening	<b>1865.00</b>	<b>1865.00</b>	<b>1865.00</b>	<b>1865.00</b>	<b>1865.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1865.00</b>	<b>1865.00</b>	<b>1865.00</b>	<b>1865.00</b>	<b>1865.00</b>
	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 04.08.2003				
<b>14</b>	<b>BOI (Exchange Rate @ 43.75)</b>					
	Gross loan opening	<b>328.13</b>	<b>328.13</b>	<b>328.13</b>	<b>328.13</b>	<b>328.13</b>
	Cumulative Repayment upto DOCO/previous year	<b>86.35</b>	<b>103.62</b>	<b>120.89</b>	<b>138.16</b>	<b>155.43</b>
	Net Loan-Opening	241.78	224.51	207.24	189.97	172.70
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	17.27	17.27	17.27	17.27	17.27
	Net Loan-Closing	224.51	207.24	189.97	172.70	155.43
	Average Loan	233.14	215.87	198.60	181.33	164.06

	Rate of Interest	3.3163%	3.32%	3.32%	3.32%	3.32%
	Interest	7.73	7.16	6.59	6.01	5.44
	Rep Schedule	38 half yearly instalments from 10.06.2004				
<b>15</b>	<b>Bond- IX</b>					
	Gross loan opening	2661.00	2661.00	2661.00	2661.00	2661.00
	Cumulative Repayment upto DOCO/previous year	1596.60	1862.70	2128.80	2394.90	2661.00
	Net Loan-Opening	1064.40	798.30	532.20	266.10	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	266.10	266.10	266.10	266.10	0.00
	Net Loan-Closing	798.30	532.20	266.10	0.00	0.00
	Average Loan	931.35	665.25	399.15	133.05	0.00
	Rate of Interest	12.25%	12.25%	12.25%	12.25%	12.25%
	Interest	114.09	81.49	48.90	16.30	0.00
	Rep Schedule	10 Annual instalments from 22.08.2003				
<b>16</b>	<b>Bond-XII</b>					
	Gross loan opening	195.00	195.00	195.00	195.00	195.00
	Cumulative Repayment upto DOCO/previous year	65.00	81.25	97.50	113.75	130.00
	Net Loan-Opening	130.00	113.75	97.50	81.25	65.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	16.25	16.25	16.25	16.25	16.25
	Net Loan-Closing	113.75	97.50	81.25	65.00	48.75
	Average Loan	121.88	105.63	89.38	73.13	56.88
	Rate of Interest	9.70%	9.70%	9.70%	9.70%	9.70%
	Interest	11.82	10.25	8.67	7.09	5.52
	Rep Schedule	12 Annual instalments from 28.03.2006				
<b>17</b>	<b>Bond-XVII</b>					
	Gross loan opening	3470.00	3470.00	3470.00	3470.00	3470.00
	Cumulative Repayment upto DOCO/previous year	0.00	347.00	694.00	1041.00	1388.00
	Net Loan-Opening	3470.00	3123.00	2776.00	2429.00	2082.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	347.00	347.00	347.00	347.00	347.00
	Net Loan-Closing	3123.00	2776.00	2429.00	2082.00	1735.00
	Average Loan	3296.50	2949.50	2602.50	2255.50	1908.50
	Rate of Interest	7.39%	7.39%	7.39%	7.39%	7.39%
	Interest	243.61	217.97	192.32	166.68	141.04
	Rep Schedule	10 Annual instalments from 22.09.2009				
<b>18</b>	<b>BOND-XXVII</b>					
	Gross loan opening	292.25	292.25	292.25	292.25	292.25
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	24.35	48.71
	Net Loan-Opening	292.25	292.25	292.25	267.90	243.54
	Additions during the year	0.00	0.00	0.00	0.00	0.00

	Repayment during the year	0.00	0.00	24.35	24.35	24.35
	Net Loan-Closing	292.25	292.25	267.90	243.54	219.19
	Average Loan	292.25	292.25	280.07	255.72	231.36
	Rate of Interest	9.47%	9.47%	9.47%	9.47%	9.47%
	Interest	27.68	27.68	26.52	24.22	21.91
	Rep Schedule	12 Annual instalments from 31.03.2012				
<b>19</b>	<b>BOI (Exchange Rate @ 44.95)</b>					
	Gross loan opening	<b>3820.75</b>	<b>3820.75</b>	<b>3820.75</b>	<b>3820.75</b>	<b>3820.75</b>
	Cumulative Repayment upto DOCO/previous year	<b>1005.43</b>	<b>1206.52</b>	<b>1407.61</b>	<b>1608.70</b>	<b>1809.80</b>
	Net Loan-Opening	2815.32	2614.23	2413.14	2212.05	2010.95
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	201.09	201.09	201.09	201.09	201.09
	Net Loan-Closing	2614.23	2413.14	2212.05	2010.95	1809.86
	Average Loan	2714.78	2513.68	2312.59	2111.50	1910.41
	Rate of Interest	3.32%	3.32%	3.32%	3.32%	3.32%
	Interest	90.03	83.36	76.69	70.02	63.35
	Rep Schedule	38 equal half yearly instalments from 10.06.2004				
<b>20</b>	<b>Bond- XV</b>					
	Gross loan opening	<b>300.00</b>	<b>300.00</b>	<b>300.00</b>	<b>300.00</b>	<b>300.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>50.00</b>	<b>75.00</b>	<b>100.00</b>	<b>125.00</b>	<b>150.00</b>
	Net Loan-Opening	250.00	225.00	200.00	175.00	150.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	25.00	25.00	25.00	25.00	25.00
	Net Loan-Closing	225.00	200.00	175.00	150.00	125.00
	Average Loan	237.50	212.50	187.50	162.50	137.50
	Rate of Interest	6.68%	6.68%	6.68%	6.68%	6.68%
	Interest	15.87	14.20	12.53	10.86	9.19
	Rep Schedule	12 Annual Installments from 23.02.2008				
<b>21</b>	<b>Bond- XIX</b>					
	Gross loan opening	<b>2600.00</b>	<b>2600.00</b>	<b>2600.00</b>	<b>2600.00</b>	<b>2600.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>216.67</b>	<b>433.33</b>	<b>650.00</b>
	Net Loan-Opening	2600.00	2600.00	2383.33	2166.67	1950.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	216.67	216.67	216.67	216.67
	Net Loan-Closing	2600.00	2383.33	2166.67	1950.00	1733.33
	Average Loan	2600.00	2491.67	2275.00	2058.33	1841.67
	Rate of Interest	9.25%	9.25%	9.25%	9.25%	9.25%
	Interest	240.50	230.48	210.44	190.40	170.35
	Rep Schedule	12 Annual Installments from 24.07.2010				
<b>22</b>	<b>BOI (Exchange Rate @ 46.81)</b>					
	Gross loan opening	<b>850.54</b>	<b>850.54</b>	<b>850.54</b>	<b>850.54</b>	<b>850.54</b>
	Cumulative Repayment upto	<b>223.83</b>	<b>268.60</b>	<b>313.36</b>	<b>358.13</b>	<b>402.89</b>

	DOCO/previous year					
	Net Loan-Opening	626.70	581.94	537.17	492.41	447.64
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	44.77	44.77	44.77	44.77	44.77
	Net Loan-Closing	581.94	537.17	492.41	447.64	402.88
	Average Loan	604.32	559.56	514.79	470.03	425.26
	Rate of Interest	3.32%	3.32%	3.32%	3.32%	3.32%
	Interest	20.04	18.56	17.07	15.59	14.10
	Rep Schedule	38 equal half yearly instalments from 10.06.2004				
<b>23</b>	<b>Bond- XXX</b>					
	Gross loan opening	<b>0.00</b>	<b>413.25</b>	<b>416.86</b>	<b>416.86</b>	<b>416.86</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	413.25	416.86	416.86	416.86
	Additions during the year	413.25	3.61	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	34.74
	Net Loan-Closing	413.25	416.86	416.86	416.86	382.12
	Average Loan	206.62	415.05	416.86	416.86	399.49
	Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
	Interest	18.18	36.52	36.68	36.68	35.15
	Rep Schedule	12 Annual Installments from 29.09.2013				
<b>24</b>	<b>Bond- XXXIII</b>					
	Gross loan opening	<b>0.00</b>	<b>0.00</b>	<b>33.59</b>	<b>33.59</b>	<b>33.59</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	33.59	33.59	33.59
	Additions during the year	0.00	33.59	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	33.59	33.59	33.59	33.59
	Average Loan	0.00	16.80	33.59	33.59	33.59
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	1.45	2.90	2.90	2.90
	Rep Schedule	12 Annual Installments from 08.07.2014				
	<b>Total Loan</b>					
	Gross loan opening	<b>55306.66</b>	<b>55719.91</b>	<b>55757.11</b>	<b>55757.11</b>	<b>55757.11</b>
	Cumulative Repayment upto DOCO/previous year	25465.88	29651.87	34054.53	38481.55	42433.86
	Net Loan-Opening	29840.78	26068.03	21702.57	17275.56	13323.24
	Additions during the year	413.25	37.20	0.00	0.00	0.00
	Repayment during the year	4185.99	4402.66	4427.01	3952.31	2645.15
	Net Loan-Closing	26068.03	21702.57	17275.56	13323.24	10678.09
	Average Loan	27954.41	23885.30	19489.07	15299.40	12000.67
	<b>Weighted Average Rate of Interest</b>	<b>8.6797%</b>	<b>8.5910%</b>	<b>8.4573%</b>	<b>8.2648%</b>	<b>8.0383%</b>
	<b>Interest</b>	2426.36	2051.98	1648.24	1264.47	964.65

## Petition No. 319 of 2010

<b>Name of the Company:</b>	<b>PGCIL</b>
<b>Name of the Tr. System:</b>	<b>Rihand Stage-II Transmission System (Combined Elements- 7 Assets)</b>
<b>Notional DOCO:</b>	<b>01.11.2006</b>
<b>Petition No.:</b>	<b>319/2010</b>
<b>Tariff setting Period:</b>	<b>2009-14</b>

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

(₹ in lakh)

	<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>Bond XIII Option-I</b>					
	Gross loan opening	<b>5124.00</b>	<b>5124.00</b>	<b>5124.00</b>	<b>5124.00</b>	<b>5124.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1281.00</b>	<b>1708.00</b>	<b>2135.00</b>	<b>2562.00</b>	<b>2989.00</b>
	Net Loan-Opening	3843.00	3416.00	2989.00	2562.00	2135.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	<b>427.00</b>	<b>427.00</b>	<b>427.00</b>	<b>427.00</b>	<b>427.00</b>
	Net Loan-Closing	3416.00	2989.00	2562.00	2135.00	1708.00
	Average Loan	3629.50	3202.50	2775.50	2348.50	1921.50
	Rate of Interest	<b>8.63%</b>	8.63%	8.63%	8.63%	8.63%
	Interest	313.23	276.38	239.53	202.68	165.83
	Rep Schedule	12 Annual instalments from 31.07.2006				
<b>2</b>	<b>Bond XIV</b>					
	Gross loan opening	<b>52.00</b>	<b>52.00</b>	<b>52.00</b>	<b>52.00</b>	<b>52.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>21.67</b>	<b>26.00</b>	<b>30.33</b>	<b>34.67</b>	<b>39.00</b>
	Net Loan-Opening	30.33	26.00	21.67	17.33	13.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	<b>4.33</b>	<b>4.33</b>	<b>4.33</b>	<b>4.33</b>	<b>4.33</b>
	Net Loan-Closing	26.00	21.67	17.33	13.00	8.67
	Average Loan	28.17	23.83	19.50	15.17	10.83
	Rate of Interest	<b>6.10%</b>	6.10%	6.10%	6.10%	6.10%
	Interest	1.72	1.45	1.19	0.93	0.66
	Rep Schedule	12 Annual instalments from 17.07.2004				
<b>3</b>	<b>Bond XV</b>					
	Gross loan opening	<b>23942.00</b>	<b>23942.00</b>	<b>23942.00</b>	<b>23942.00</b>	<b>23942.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>3990.33</b>	<b>5985.50</b>	<b>7980.67</b>	<b>9975.83</b>	<b>11971.00</b>
	Net Loan-Opening	19951.67	17956.50	15961.33	13966.17	11971.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	<b>1995.17</b>	<b>1995.17</b>	<b>1995.17</b>	<b>1995.17</b>	<b>1995.17</b>
	Net Loan-Closing	17956.50	15961.33	13966.17	11971.00	9975.83
	Average Loan	18954.08	16958.92	14963.75	12968.58	10973.42

	Rate of Interest	6.68%	6.68%	6.68%	6.68%	6.68%
	Interest	1266.13	1132.86	999.58	866.30	733.02
	Rep Schedule	12 Annual instalments from 23.02.2008				
<b>4</b>	<b>BOND XVI</b>					
	Gross loan opening	24904.00	24904.00	24904.00	24904.00	24904.00
	Cumulative Repayment upto DOCO/previous year	2490.40	4980.80	7471.20	9961.60	12452.00
	Net Loan-Opening	22413.60	19923.20	17432.80	14942.40	12452.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	2490.40	2490.40	2490.40	2490.40	2490.40
	Net Loan-Closing	19923.20	17432.80	14942.40	12452.00	9961.60
	Average Loan	21168.40	18678.00	16187.60	13697.20	11206.80
	Rate of Interest	7.10%	7.10%	7.10%	7.10%	7.10%
	Interest	1502.96	1326.14	1149.32	972.50	795.68
	Rep Schedule	10 Annual instalments from 18.02.2009				
<b>5</b>	<b>BOND XVII</b>					
	Gross loan opening	3750.00	3750.00	3750.00	3750.00	3750.00
	Cumulative Repayment upto DOCO/previous year	0.00	375.00	750.00	1125.00	1500.00
	Net Loan-Opening	3750.00	3375.00	3000.00	2625.00	2250.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	375.00	375.00	375.00	375.00	375.00
	Net Loan-Closing	3375.00	3000.00	2625.00	2250.00	1875.00
	Average Loan	3562.50	3187.50	2812.50	2437.50	2062.50
	Rate of Interest	7.39%	7.39%	7.39%	7.39%	7.39%
	Interest	263.27	235.56	207.84	180.13	152.42
	Rep Schedule	10 Annual instalments from 22.09.2009				
<b>6</b>	<b>BOND XVIII (ADDCAP FOR 2005-06)</b>					
	Gross loan opening	5606.00	5606.00	5606.00	5606.00	5606.00
	Cumulative Repayment upto DOCO/previous year	0.00	467.17	934.33	1401.50	1868.67
	Net Loan-Opening	5606.00	5138.83	4671.67	4204.50	3737.33
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	467.17	467.17	467.17	467.17	467.17
	Net Loan-Closing	5138.83	4671.67	4204.50	3737.33	3270.17
	Average Loan	5372.42	4905.25	4438.08	3970.92	3503.75
	Rate of Interest	8.15%	8.15%	8.15%	8.15%	8.15%
	Interest	437.85	399.78	361.70	323.63	285.56
	Rep Schedule	12 Annual instalments from 09.03.2010				
<b>7</b>	<b>Bond XIX (addcap for 2006-07)</b>					
	Gross loan opening	170.00	170.00	170.00	170.00	170.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	14.17	28.33	42.50



	Net Loan-Opening	170.00	170.00	155.83	141.67	127.50
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	14.17	14.17	14.17	14.17
	Net Loan-Closing	170.00	155.83	141.67	127.50	113.33
	Average Loan	170.00	162.92	148.75	134.58	120.42
	Rate of Interest	9.25%	9.25%	9.25%	9.25%	9.25%
	Interest	15.73	15.07	13.76	12.45	11.14
	Rep Schedule	12 Annual instalments from 24-07-2010				
<b>8</b>	<b>Bond XXII (add-cap for 2006-07)</b>					
	Gross loan opening	<b>1410.72</b>	<b>1410.72</b>	<b>1410.72</b>	<b>1410.72</b>	<b>1410.72</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>117.56</b>	<b>235.12</b>	<b>352.68</b>
	Net Loan-Opening	1410.72	1410.72	1293.16	1175.60	1058.04
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	117.56	117.56	117.56	117.56
	Net Loan-Closing	1410.72	1293.16	1175.60	1058.04	940.48
	Average Loan	1410.72	1351.94	1234.38	1116.82	999.26
	Rate of Interest	8.68%	8.68%	8.68%	8.68%	8.68%
	Interest	<b>122.45</b>	<b>117.35</b>	<b>107.14</b>	<b>96.94</b>	<b>86.74</b>
	Rep Schedule	12 Annual instalments from 07-12-2010				
<b>9</b>	<b>Bond XXXI</b>					
	Gross loan opening	<b>0.00</b>	<b>16.87</b>	<b>16.87</b>	<b>16.87</b>	<b>16.87</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	16.87	16.87	16.87	16.87
	Additions during the year	16.87	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.41</b>
	Net Loan-Closing	16.87	16.87	16.87	16.87	15.46
	Average Loan	8.44	16.87	16.87	16.87	16.17
	Rate of Interest	8.90%	8.90%	8.90%	8.90%	8.90%
	Interest	0.75	1.50	1.50	1.50	1.44
	Rep Schedule	12 Annual instalments from 25-02-2014				
<b>10</b>	<b>Bond XXX</b>					
	Gross loan opening	<b>0.00</b>	<b>824.33</b>	<b>838.70</b>	<b>838.70</b>	<b>838.70</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	824.33	838.70	838.70	838.70
	Additions during the year	824.33	14.36	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	69.89
	Net Loan-Closing	824.33	838.70	838.70	838.70	768.81
	Average Loan	412.17	831.52	838.70	838.70	803.75
	Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
	Interest	36.27	73.17	73.81	73.81	70.73
	Rep Schedule	12 Annual Instalments from 29.09.2013				



<b>11</b>	<b>Bond XXXIII</b>					
	Gross loan opening	<b>0.00</b>	<b>0.00</b>	<b>133.80</b>	<b>133.80</b>	<b>133.80</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	133.80	133.80	133.80
	Additions during the year	0.00	133.80	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	133.80	133.80	133.80	133.80
	Average Loan	0.00	66.90	133.80	133.80	133.80
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	5.78	11.56	11.56	11.56
	Rep Schedule	12 Annual instalments from 08.07.2014				
	<b>Total Loan</b>					
	Gross loan opening	64958.72	65799.92	65948.09	65948.09	65948.09
	Cumulative Repayment upto DOCO/previous year	7783.39	13542.46	19433.25	25324.05	31214.84
	Net Loan-Opening	57175.33	52257.47	46514.84	40624.04	34733.25
	Additions during the year	841.20	148.16	0.00	0.00	0.00
	Repayment during the year	5759.07	5890.79	5890.79	5890.79	5962.09
	Net Loan-Closing	52257.47	46514.84	40624.04	34733.25	28771.16
	Average Loan	54716.40	49386.15	43569.44	37678.65	31752.20
	<b>Weighted Average Rate of Interest</b>	<b>7.2380%</b>	<b>7.2592%</b>	<b>7.2687%</b>	<b>7.2784%</b>	<b>7.2901%</b>
	<b>Interest</b>	3960.35	3585.03	3166.93	2742.42	2314.77

Petition No. 108 of 2009

<b>Name of the Company:</b>	<b>PGCIL</b>
<b>Name of the Tr. System:</b>	<b>Transmission system associated with Auraiya Gas Power Project in Northern Region</b>
<b>DOCO:</b>	<b>1989 to 1991</b>
<b>Petition No.:</b>	<b>108/2009</b>
<b>Tariff setting Period:</b>	<b>2009-14</b>

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

(₹ in lakh)

	<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>Bond- X</b>					
	Gross loan opening	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	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	12 Annual instalment from 21.06.2004				
<b>2</b>	<b>BOND- XXX</b>					
	Gross loan opening	<b>0.00</b>	<b>191.42</b>	<b>199.56</b>	<b>199.56</b>	<b>199.56</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	191.42	199.56	199.56	199.56
	Additions during the year	191.42	8.14	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	16.63
	Net Loan-Closing	191.42	199.56	199.56	199.56	182.93
	Average Loan	95.71	195.49	199.56	199.56	191.24
	Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
	Interest	8.42	17.20	17.56	17.56	16.83
	Rep Schedule	12 Annual instalment from 29.09.2013				
<b>3</b>	<b>BOND- XXXIII</b>					
	Gross loan opening	<b>0.00</b>	<b>0.00</b>	<b>75.82</b>	<b>75.82</b>	<b>75.82</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	75.82	75.82	75.82

Additions during the year	0.00	75.82	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	75.82	75.82	75.82	75.82
Average Loan	0.00	37.91	75.82	75.82	75.82
Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
Interest	0.00	3.34	6.67	6.67	6.67
Rep Schedule	12 Annual instalment from 08.07.2014				
<b>Total Loan</b>					
Gross loan opening	0.00	191.42	275.38	275.38	275.38
Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	0.00	0.00
Net Loan-Opening	0.00	191.42	275.38	275.38	275.38
Additions during the year	191.42	83.96	0.00	0.00	0.00
Repayment during the year	0.00	0.00	0.00	0.00	16.63
Net Loan-Closing	191.42	275.38	275.38	275.38	258.75
Average Loan	95.71	233.40	275.38	275.38	267.06
Rate of Interest	<b>8.8000%</b>	<b>8.8000%</b>	<b>8.8000%</b>	<b>8.8000%</b>	<b>8.8000%</b>
<b>Interest</b>	8.42	20.54	24.23	24.23	23.50

## Petition No. 316 of 2010

	<b>Name of the Company:</b>	<b>PGCIL</b>				
	<b>Name of the Tr. System:</b>	<b>Singrauli transmission system in North Region</b>				
	<b>Notional DOCO:</b>	<b>1982-1987</b>				
	<b>Petition No.:</b>	<b>316/2010</b>				
	<b>Tariff setting Period:</b>	<b>2009-14</b>				
<b>CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN</b>						
(₹ in lakh)						
	<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>Bond XXXIII</b>					
	Gross loan opening	0.00	0.00	71.04	219.37	435.05
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Opening	0.00	0.00	71.04	219.37	435.05
	Additions during the year	0.00	71.04	148.33	215.68	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	71.04	219.37	435.05	435.05
	Average Loan	0.00	35.52	145.20	327.21	435.05
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	3.07	12.55	28.27	37.59
	Rep Schedule	12 Annual Instalments from 08.07.2014				
<b>2</b>	<b>Bond XXX</b>					
	Gross loan opening	0.00	179.77	187.40	187.40	187.40
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Opening	0.00	179.77	187.40	187.40	187.40
	Additions during the year	179.77	7.63	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	15.62
	Net Loan-Closing	179.77	187.40	187.40	187.40	171.79
	Average Loan	89.89	183.59	187.40	187.40	179.60
	Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
	Interest	7.91	16.16	16.49	16.49	15.80
	Rep Schedule	12 Annual Instalments from 29.09.2013				
	<b>Total Loan</b>					
	Gross loan opening	0.00	179.77	258.44	406.77	622.45
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Opening	0.00	179.77	258.44	406.77	622.45
	Additions during the year	179.77	78.67	148.33	215.68	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	15.62
	Net Loan-Closing	179.77	258.44	406.77	622.45	606.83
	Average Loan	89.89	219.11	332.61	514.61	614.64
	<b>Weighted Average Rate of Interest</b>	<b>8.8000%</b>	<b>8.7741%</b>	<b>8.7302%</b>	<b>8.6983%</b>	<b>8.6868%</b>
	<b>Interest</b>	7.91	19.22	29.04	44.76	53.39

## Petition No. 118 of 2010

<b>Name of the Company:</b>	<b>PGCIL</b>
<b>Name of the Tr. System:</b>	<b>Transmission System Associated with Faridabad Gas Based Combined Cycle Power Project (Combined Elements) in Northern Region</b>
<b>Notional DOCO:</b>	<b>01.02.2000</b>
<b>Petition No.:</b>	<b>118/2010</b>
<b>Tariff setting Period:</b>	<b>2009-14</b>

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

(₹ in lakh)

	<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>Bond VI</b>					
	Gross loan opening	94.36	<b>94.36</b>	<b>94.36</b>	<b>94.36</b>	<b>94.36</b>
	Cumulative Repayment upto DOCO/previous year	66.05	<b>75.48</b>	<b>84.92</b>	<b>94.35</b>	<b>94.36</b>
	Net Loan-Opening	28.31	18.88	9.44	0.01	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	9.44	9.44	9.44	0.01	0.00
	Net Loan-Closing	18.88	9.44	0.01	0.00	0.00
	Average Loan	23.60	14.16	4.72	0.00	0.00
	Rate of Interest	13.13%	13.13%	13.13%	13.13%	13.13%
	Interest	3.10	1.86	0.62	0.00	0.00
	Rep Schedule	10 Annual Installments from 06.12.2002				
<b>2</b>	<b>Bond VII</b>					
	Gross loan opening	31.93	<b>31.93</b>	<b>31.93</b>	<b>31.93</b>	<b>31.93</b>
	Cumulative Repayment upto DOCO/previous year	31.93	<b>31.93</b>	<b>31.93</b>	<b>31.93</b>	<b>31.93</b>
	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	12 Annual Installments from 04.08.2003				
<b>3</b>	<b>Bond XI- Option II</b>					
	Gross loan opening	189.02	<b>189.02</b>	<b>189.02</b>	<b>189.02</b>	<b>189.02</b>
	Cumulative Repayment upto DOCO/previous year	189.02	<b>189.02</b>	<b>189.02</b>	<b>189.02</b>	<b>189.02</b>
	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 Installments from 07.12.2003				
<b>4</b>	<b>Bond- XIII - Option- II</b>					
	Gross loan opening	24.60	<b>24.60</b>	<b>24.60</b>	<b>24.60</b>	<b>24.60</b>
	Cumulative Repayment upto DOCO/previous year	24.60	<b>24.60</b>	<b>24.60</b>	<b>24.60</b>	<b>24.60</b>
	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 Installments from 31.07.2003				
<b>5</b>	<b>Corporation Bank</b>					
	Gross loan opening	15.93	<b>15.93</b>	<b>15.93</b>	<b>15.93</b>	<b>15.93</b>
	Cumulative Repayment upto DOCO/previous year	8.75	<b>10.35</b>	<b>11.94</b>	<b>13.53</b>	<b>15.13</b>
	Net Loan-Opening	7.18	5.58	3.99	2.40	0.80
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	1.59	1.59	1.59	1.59	0.80
	Net Loan-Closing	5.58	3.99	2.40	0.80	0.00
	Average Loan	6.38	4.79	3.19	1.60	0.40
	Rate of Interest	11.40%	11.40%	11.40%	11.40%	11.40%
	Interest	0.73	0.55	0.36	0.18	0.05
	Rep Schedule	20 Annual Installments from 10.03.2004				
<b>6</b>	<b>Punjab National Bank- I</b>					
	Gross loan opening	31.93	<b>31.93</b>	<b>31.93</b>	<b>31.93</b>	<b>31.93</b>
	Cumulative Repayment upto DOCO/previous year	19.16	<b>22.36</b>	<b>25.55</b>	<b>28.74</b>	<b>31.93</b>
	Net Loan-Opening	12.77	9.57	6.38	3.19	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	3.19	3.19	3.19	3.19	0.00
	Net Loan-Closing	9.57	6.38	3.19	0.00	0.00
	Average Loan	11.17	7.98	4.79	1.59	0.00
	Rate of Interest	9.41%	9.41%	9.41%	9.41%	9.41%
	Interest	1.05	0.75	0.45	0.15	0.00
	Rep Schedule	10 annual Installments from 30.03.2004				
<b>7</b>	<b>BOI (Foreign Currency Loan)</b>					
	Gross loan opening	49.13	<b>49.13</b>	<b>49.13</b>	<b>49.13</b>	<b>49.13</b>
	Cumulative Repayment upto DOCO/previous year	12.62	<b>15.23</b>	<b>17.84</b>	<b>20.45</b>	<b>23.06</b>

	Net Loan-Opening	36.51	33.90	31.29	28.68	26.07
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	2.61	2.61	2.61	2.61	2.61
	Net Loan-Closing	33.90	31.29	28.68	26.07	23.46
	Average Loan	35.21	32.60	29.99	27.38	24.77
	Rate of Interest	3.3163%	3.3163%	3.3163%	3.3163%	3.3163%
	Interest	1.17	1.08	0.99	0.91	0.82
	Rep Schedule	Equal Half Yearly instalments from 10.06.2004				
<b>8</b>	<b>Bond XXX</b>					
	Gross loan opening	0.00	<b>0.00</b>	<b>5.04</b>	<b>5.04</b>	<b>5.04</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	5.04	5.04	5.04
	Additions during the year	0.00	5.04	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.42
	Net Loan-Closing	0.00	5.04	5.04	5.04	4.62
	Average Loan	0.00	2.52	5.04	5.04	4.83
	Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
	Interest	0.00	0.22	0.44	0.44	0.43
	Rep Schedule	12 annual instalments from 29.09.2013				
<b>9</b>	<b>Bond XXXIII</b>					
	Gross loan opening	0.00	<b>0.00</b>	<b>46.94</b>	<b>46.94</b>	<b>46.94</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	46.94	46.94	46.94
	Additions during the year	0.00	46.94	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	46.94	46.94	46.94	46.94
	Average Loan	0.00	23.47	46.94	46.94	46.94
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	2.03	4.06	4.06	4.06
	Rep Schedule	12 annual instalments from 08.07.2014				
	<b>Total Loan</b>					
	Gross loan opening	<b>436.90</b>	<b>436.90</b>	<b>488.88</b>	<b>488.88</b>	<b>488.88</b>
	Cumulative Repayment upto DOCO/previous year	<b>352.13</b>	<b>368.96</b>	<b>385.80</b>	<b>402.63</b>	<b>410.03</b>
	Net Loan-Opening	<b>84.77</b>	<b>67.94</b>	<b>103.08</b>	<b>86.25</b>	<b>78.85</b>
	Additions during the year	<b>0.00</b>	<b>51.98</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Repayment during the year	<b>16.83</b>	<b>16.83</b>	<b>16.83</b>	<b>7.40</b>	<b>3.83</b>
	Net Loan-Closing	<b>67.94</b>	<b>103.08</b>	<b>86.25</b>	<b>78.85</b>	<b>75.02</b>
	Average Loan	<b>76.35</b>	<b>85.51</b>	<b>94.67</b>	<b>82.55</b>	<b>76.94</b>
	Rate of Interest	7.9162%	7.5853%	7.3184%	6.9530%	6.9509%
	<b>Interest</b>	<b>6.04</b>	<b>6.49</b>	<b>6.93</b>	<b>5.74</b>	<b>5.35</b>

## Petition No. 322 of 2010

<b>Name of the Company:</b>		<b>PGCIL</b>				
<b>Name of the Tr. System:</b>		<b>Combined Assets of NRSS-I</b>				
<b>Notional DOCO:</b>		<b>01.06.2008</b>				
<b>Petition No.:</b>		<b>322/2010</b>				
<b>Tariff setting Period:</b>		<b>2009-14</b>				
<b>CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN</b>						
(₹ in lakh)						
	<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>Bond XVII</b>					
	Gross loan opening	<b>3761.00</b>	<b>3761.00</b>	<b>3761.00</b>	<b>3761.00</b>	<b>3761.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>376.10</b>	<b>752.20</b>	<b>1128.30</b>	<b>1504.40</b>
	Net Loan-Opening	3761.00	3384.90	3008.80	2632.70	2256.60
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	<b>376.10</b>	<b>376.10</b>	<b>376.10</b>	<b>376.10</b>	<b>376.10</b>
	Net Loan-Closing	3384.90	3008.80	2632.70	2256.60	1880.50
	Average Loan	3572.95	3196.85	2820.75	2444.65	2068.55
	Rate of Interest	7.39%	7.39%	7.39%	7.39%	7.39%
	Interest	264.04	236.25	208.45	180.66	152.87
	Rep Schedule	10 Annual instalments from 22.09.2009				
<b>2</b>	<b>Bond XIX</b>					
	Gross loan opening	<b>8854.00</b>	<b>8854.00</b>	<b>8854.00</b>	<b>8854.00</b>	<b>8854.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>737.83</b>	<b>1475.67</b>	<b>2213.50</b>
	Net Loan-Opening	8854.00	8854.00	8116.17	7378.33	6640.50
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	<b>0.00</b>	<b>737.83</b>	<b>737.83</b>	<b>737.83</b>	<b>737.83</b>
	Net Loan-Closing	8854.00	8116.17	7378.33	6640.50	5902.67
	Average Loan	8854.00	8485.08	7747.25	7009.42	6271.58
	Rate of Interest	9.25%	9.25%	9.25%	9.25%	9.25%
	Interest	819.00	784.87	716.62	648.37	580.12
	Rep Schedule	12 Annual instalments from 24.07.2010				
<b>3</b>	<b>Bond XXIII (ADD CAP FOR 2006-2007)</b>					
	Gross loan opening	<b>1703.00</b>	<b>1703.00</b>	<b>1703.00</b>	<b>1703.00</b>	<b>1703.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>141.92</b>	<b>283.83</b>	<b>425.75</b>
	Net Loan-Opening	1703.00	1703.00	1561.08	1419.17	1277.25
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	<b>0.00</b>	<b>141.92</b>	<b>141.92</b>	<b>141.92</b>	<b>141.92</b>
	Net Loan-Closing	1703.00	1561.08	1419.17	1277.25	1135.33
	Average Loan	1703.00	1632.04	1490.13	1348.21	1206.29
	Rate of Interest	9.25%	9.25%	9.25%	9.25%	9.25%



	Interest	157.53	150.96	137.84	124.71	111.58
	Rep Schedule	12 Annual instalments from 09.02.2011				
<b>4</b>	<b>Bond XXVIII @ from 15.12.2008 ( for Add-cap 2008-09)</b>					
	Gross loan opening	847.00	847.00	847.00	847.00	847.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	0.00	70.58
	Net Loan-Opening	847.00	847.00	847.00	847.00	776.42
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	70.58	70.58
	Net Loan-Closing	847.00	847.00	847.00	776.42	705.83
	Average Loan	847.00	847.00	847.00	811.71	741.13
	Rate of Interest	9.33%	9.33%	9.33%	9.33%	9.33%
	Interest	79.03	79.03	79.03	75.73	69.15
	Rep Schedule	12 Annual instalments from 15.12.2012				
<b>5</b>	<b>Bond XX</b>					
	Gross loan opening	2560.00	2560.00	2560.00	2560.00	2560.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	213.33	426.67	640.00
	Net Loan-Opening	2560.00	2560.00	2346.67	2133.33	1920.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	213.33	213.33	213.33	213.33
	Net Loan-Closing	2560.00	2346.67	2133.33	1920.00	1706.67
	Average Loan	2560.00	2453.33	2240.00	2026.67	1813.33
	Rate of Interest	8.93%	8.93%	8.93%	8.93%	8.93%
	Interest	228.61	219.08	200.03	180.98	161.93
	Rep Schedule	12 Annual instalments from 07-09-2010				
<b>6</b>	<b>Bond XXI</b>					
	Gross loan opening	79.00	79.00	79.00	79.00	79.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	6.58	13.17	19.75
	Net Loan-Opening	79.00	79.00	72.42	65.83	59.25
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	6.58	6.58	6.58	6.58
	Net Loan-Closing	79.00	72.42	65.83	59.25	52.67
	Average Loan	79.00	75.71	69.13	62.54	55.96
	Rate of Interest	8.73%	8.73%	8.73%	8.73%	8.73%
	Interest	6.90	6.61	6.03	5.46	4.89
	Rep Schedule	12 Annual instalments from 11.10.2010				
<b>7</b>	<b>Bond XXII</b>					
	Gross loan opening	185.00	185.00	185.00	185.00	185.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	15.42	30.83	46.25
	Net Loan-Opening	185.00	185.00	169.58	154.17	138.75

	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	15.42	15.42	15.42	15.42
	Net Loan-Closing	185.00	169.58	154.17	138.75	123.33
	Average Loan	185.00	177.29	161.88	146.46	131.04
	Rate of Interest	8.68%	8.68%	8.68%	8.68%	8.68%
	Interest	16.06	15.39	14.05	12.71	11.37
	Rep Schedule	12 Annual instalments from 07-12-2010				
<b>8</b>	<b>Bond XXIX (Add-cap for 2008-09 Drawl on 12-03.2009)</b>					
	Gross loan opening	<b>819.00</b>	<b>819.00</b>	<b>819.00</b>	<b>819.00</b>	<b>819.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>68.25</b>
	Net Loan-Opening	819.00	819.00	819.00	819.00	750.75
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	68.25	68.25
	Net Loan-Closing	819.00	819.00	819.00	750.75	682.50
	Average Loan	819.00	819.00	819.00	784.88	716.63
	Rate of Interest	9.20%	9.20%	9.20%	9.20%	9.20%
	Interest	<b>75.35</b>	<b>75.35</b>	<b>75.35</b>	<b>72.21</b>	<b>65.93</b>
	Rep Schedule	12 Annual instalments from 12.03.2013				
<b>9</b>	<b>Bond XXVI</b>					
	Gross loan opening	<b>2315.00</b>	<b>2315.00</b>	<b>2315.00</b>	<b>2315.00</b>	<b>2315.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>192.92</b>	<b>385.83</b>
	Net Loan-Opening	2315.00	2315.00	2315.00	2122.08	1929.17
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	<b>0.00</b>	<b>192.92</b>	<b>192.92</b>	<b>192.92</b>
	Net Loan-Closing	2315.00	2315.00	2122.08	1929.17	1736.25
	Average Loan	2315.00	2315.00	2218.54	2025.63	1832.71
	Rate of Interest	9.30%	9.30%	9.30%	9.30%	9.30%
	Interest	215.30	215.30	206.32	188.38	170.44
	Rep Schedule	12 Annual instalments from 07-03-2012				
<b>10</b>	<b>Bond XXVII</b>					
	Gross loan opening	<b>1661.00</b>	<b>1661.00</b>	<b>1661.00</b>	<b>1661.00</b>	<b>1661.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>138.42</b>	<b>276.83</b>
	Net Loan-Opening	1661.00	1661.00	1661.00	1522.58	1384.17
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	138.42	138.42	138.42
	Net Loan-Closing	1661.00	1661.00	1522.58	1384.17	1245.75
	Average Loan	1661.00	1661.00	1591.79	1453.38	1314.96
	Rate of Interest	9.47%	9.47%	9.47%	9.47%	9.47%
	Interest	157.30	157.30	150.74	137.63	124.53
	Rep Schedule	12 Annual instalments from 31-03-2012				
	<b>Bond XXX</b>					

	Gross loan opening	0.00	0.00	1.13	1.13	1.13
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Opening	0.00	0.00	1.13	1.13	1.13
	Additions during the year	0.00	1.13	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	0.09
	Net Loan-Closing	0.00	1.13	1.13	1.13	1.04
	Average Loan	0.00	0.57	1.13	1.13	1.08
	Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
	Interest	0.00	0.05	0.10	0.10	0.10
	Rep Schedule	12 Annual instalments from 29.09.2013				
<b>11</b>	<b>Bond XXXIII</b>					
	Gross loan opening	0.00	0.00	10.50	10.50	10.50
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Opening	0.00	0.00	10.50	10.50	10.50
	Additions during the year	0.00	10.50	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	10.50	10.50	10.50	10.50
	Average Loan	0.00	5.25	10.50	10.50	10.50
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	0.45	0.91	0.91	0.91
	Rep Schedule	12 Annual instalments from 08.07.2014				
	<b>Total Loan</b>					
	Gross loan opening	22784.00	22784.00	22795.63	22795.63	22795.63
	Cumulative Repayment upto DOCO/previous year	0.00	376.10	1867.28	3689.80	5651.15
	Net Loan-Opening	22784.00	22407.90	20928.35	19105.83	17144.48
	Additions during the year	0.00	11.63	0.00	0.00	0.00
	Repayment during the year	376.10	1491.18	1822.52	1961.35	1961.44
	Net Loan-Closing	22407.90	20928.35	19105.83	17144.48	15183.04
	Average Loan	22595.95	21668.13	20017.09	18125.16	16163.76
	<b>Weighted Average Rate of Interest</b>	<b>8.9356%</b>	<b>8.9562%</b>	<b>8.9697%</b>	<b>8.9812%</b>	<b>8.9942%</b>
	<b>Interest</b>	2019.09	1940.63	1795.47	1627.86	1453.81

Petition No. 294 of 2010

<b>Name of the Company:</b>	<b>PGCIL</b>
<b>Name of the Tr. System:</b>	<b>Combined Assets (3 Assets)- (a) LILO of 400 kV S/C Hissar-Bassi Line at Bhiwadi, b) 400 kV D/C Bhiwadi-Agra Line and c) 400 kV D/C Bhiwadi-Moga Transmission Line</b>
<b>Notional DOCO:</b>	<b>01.04.2010</b>
<b>Petition No.:</b>	<b>294/2010</b>
<b>Tarrif setting Period:</b>	<b>2009-14</b>

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

(₹ in lakh)

	<b>Details of Loan</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>ADB III (Exchange Rate @ 55.51)</b>				
	Gross loan opening	4762.70	<b>4762.70</b>	<b>4762.70</b>	<b>4762.70</b>
	Cumulative Repayment upto DOCO/previous year	71.92	<b>226.23</b>	<b>396.26</b>	<b>583.91</b>
	Net Loan-Opening	4690.79	4536.48	4366.45	4178.80
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	154.31	170.03	187.65	206.70
	Net Loan-Closing	4536.48	4366.45	4178.80	3972.10
	Average Loan	4613.63	4451.46	4272.62	4075.45
	Rate of Interest	2.715%	2.715%	2.715%	2.715%
	Interest	<b>125.26</b>	<b>120.86</b>	<b>116.00</b>	<b>110.65</b>
	Rep Schedule	Half Yearly Installments from 15.1.2010			
<b>2</b>	<b>ADB III (Exchange Rate @ 45.67)</b>				
	Gross loan opening	<b>23310.42</b>	<b>23310.42</b>	<b>23310.42</b>	<b>23310.42</b>
	Cumulative Repayment upto DOCO/previous year	<b>351.99</b>	<b>1107.25</b>	<b>1939.43</b>	<b>2857.86</b>
	Net Loan-Opening	22958.44	22203.18	21371.00	20452.57
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	755.26	832.18	918.43	1011.67
	Net Loan-Closing	22203.18	21371.00	20452.57	19440.89
	Average Loan	22580.81	21787.09	20911.78	19946.73
	Rate of Interest	2.715%	2.715%	2.715%	2.715%
	Interest	<b>613.07</b>	<b>591.52</b>	<b>567.75</b>	<b>541.55</b>
	Rep Schedule	Half Yearly Installments from 15.1.2010			
<b>3</b>	<b>ADB III (Exchange Rate @ 49.29)</b>				

	Gross loan opening	<b>14037.79</b>	<b>14037.79</b>	<b>14037.79</b>	<b>14037.79</b>
	Cumulative Repayment upto DOCO/previous year	<b>211.97</b>	<b>666.80</b>	<b>1167.94</b>	<b>1721.03</b>
	Net Loan-Opening	13825.82	13371.00	12869.85	12316.76
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	454.82	501.15	553.09	609.24
	Net Loan-Closing	13371.00	12869.85	12316.76	11707.52
	Average Loan	13598.41	13120.42	12593.30	12012.14
	Rate of Interest	2.715%	2.715%	2.715%	2.715%
	Interest	<b>369.20</b>	<b>356.22</b>	<b>341.91</b>	<b>326.13</b>
	Rep Schedule	Half Yearly Installments from 15.01.2010			
<b>4</b>	<b>Bond XXVI</b>				
	Gross loan opening	<b>788.00</b>	<b>788.00</b>	<b>788.00</b>	<b>788.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>65.67</b>	<b>131.33</b>
	Net Loan-Opening	788.00	788.00	722.33	656.67
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	65.67	65.67	65.67
	Net Loan-Closing	788.00	722.33	656.67	591.00
	Average Loan	788.00	755.17	689.50	623.83
	Rate of Interest	9.30%	9.30%	9.30%	9.30%
	Interest	<b>73.28</b>	<b>70.23</b>	<b>64.12</b>	<b>58.02</b>
	Rep Schedule	12 Annual Installments from 07.03.2012			
<b>5</b>	<b>BOND XXX</b>				
	Gross loan opening	0.00	<b>0.00</b>	<b>28.04</b>	<b>28.04</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	28.04	28.04
	Additions during the year	0.00	28.04	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	2.34
	Net Loan-Closing	0.00	28.04	28.04	25.70
	Average Loan	0.00	14.02	28.04	26.87
	Rate of Interest	8.80%	8.80%	8.80%	8.80%
	Interest	0.00	1.23	2.47	2.36
	Rep Schedule	12 equal Annual instalments from 29.09.2013			
<b>6</b>	<b>Bond XXXIII</b>				
	Gross loan opening	0.00	<b>0.00</b>	<b>261.21</b>	<b>261.21</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Net Loan-Opening	0.00	0.00	261.21	261.21
Additions during the year	0.00	261.21	0.00	0.00
Repayment during the year	0.00	0.00	0.00	0.00
Net Loan-Closing	0.00	261.21	261.21	261.21
Average Loan	0.00	130.61	261.21	261.21
Rate of Interest	8.64%	8.64%	8.64%	8.64%
Interest	0.00	11.28	22.57	22.57
Rep Schedule	12 Annual Instalments from 08.07.2014			
<b>Total Loan</b>				
Gross loan opening	42898.92	42898.92	43188.17	43188.17
Cumulative Repayment upto DOCO/previous year	635.87	2000.27	3569.30	5294.13
Net Loan-Opening	42263.05	40898.65	39618.88	37894.04
Additions during the year	0.00	289.25	0.00	0.00
Repayment during the year	1364.39	1569.03	1724.84	1895.62
Net Loan-Closing	40898.65	39618.88	37894.04	35998.42
Average Loan	41580.85	40258.76	38756.46	36946.23
<b>Weighted Average Rate of Interest</b>	<b>2.8398%</b>	<b>2.8599%</b>	<b>2.8765%</b>	<b>2.8725%</b>
<b>Interest</b>	1180.81	1151.34	1114.82	1061.28

## Petition No. 343 of 2010

<b>Name of the Company:</b>	<b>Powergrid Corporation of India Ltd.</b>
<b>Name of the Tr. System:</b>	<b>Asset-1- LILO of 400 kV S/C Ballabgarh-Bhiwadi Transmission line at Gurgaon along with associated bays</b>
<b>Actual DOCO:</b>	<b>01.07.2010</b>
<b>Petition No.:</b>	<b>343/2010</b>
<b>Tariff setting Period:</b>	<b>2009-14</b>

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

(₹ in lakh)

	<b>Details of Loan</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>Bond XXIX</b>				
	Gross loan opening	<b>2894.00</b>	<b>2894.00</b>	<b>2894.00</b>	<b>2894.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>241.17</b>
	Net Loan-Opening	2894.00	2894.00	2894.00	2652.83
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	241.17	241.17
	Net Loan-Closing	2894.00	2894.00	2652.83	2411.67
	Average Loan	2894.00	2894.00	2773.42	2532.25
	Rate of Interest	9.20%	9.20%	9.20%	9.20%
	Interest	266.25	266.25	255.15	232.97
	Rep Schedule	12 Annual instalments from 12.03.2013			
<b>2</b>	<b>Bond XXVIII</b>				
	Gross loan opening	<b>1235.00</b>	<b>1235.00</b>	<b>1235.00</b>	<b>1235.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>102.92</b>
	Net Loan-Opening	1235.00	1235.00	1235.00	1132.08
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	102.92	102.92
	Net Loan-Closing	1235.00	1235.00	1132.08	1029.17
	Average Loan	1235.00	1235.00	1183.54	1080.63
	Rate of Interest	9.33%	9.33%	9.33%	9.33%
	Interest	115.23	115.23	110.42	100.82
	Rep Schedule	12 Annual instalments from 15.12.2012			
<b>3</b>	<b>Bond XXXI</b>				
	Gross loan opening	<b>1812.00</b>	<b>1812.00</b>	<b>1812.00</b>	<b>1812.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	1812.00	1812.00	1812.00	1812.00
	Additions during the year	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	151.00
	Net Loan-Closing	1812.00	1812.00	1812.00	1661.00

	Average Loan	1812.00	1812.00	1812.00	1736.50
	Rate of Interest	8.90%	8.90%	8.90%	8.90%
	Interest	161.27	161.27	161.27	154.55
	Rep Schedule	12 Annual instalments from 25.02.2014			
<b>4</b>	<b>Bond XXX</b>				
	Gross loan opening	<b>1393.00</b>	<b>1393.00</b>	<b>1396.55</b>	<b>1396.55</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	1393.00	1393.00	1396.55	1396.55
	Additions during the year	0.00	3.55	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	116.38
	Net Loan-Closing	1393.00	1396.55	1396.55	1280.17
	Average Loan	1393.00	1394.78	1396.55	1338.36
	Rate of Interest	8.80%	8.80%	8.80%	8.80%
	Interest	122.58	122.74	122.90	117.78
	Rep Schedule	12 Annual instalments from 29.09.2013			
<b>5</b>	<b>Bond- XXXIII</b>				
	Gross loan opening	<b>0.00</b>	<b>0.00</b>	<b>33.06</b>	<b>33.06</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	33.06	33.06
	Additions during the year	0.00	33.06	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00
	Net Loan-Closing	0.00	33.06	33.06	33.06
	Average Loan	0.00	16.53	33.06	33.06
	Rate of Interest	8.80%	8.80%	8.80%	8.80%
	Interest	0.00	1.45	2.91	2.91
	Rep Schedule	12 Annual Instalments from 08.07.2014			
	<b>Total Loan</b>				
	Gross loan opening	<b>7334.00</b>	<b>7334.00</b>	<b>7370.61</b>	<b>7370.61</b>
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	344.08
	Net Loan-Opening	7334.00	7334.00	7370.61	7026.53
	Additions during the year	0.00	36.61	0.00	0.00
	Repayment during the year	0.00	0.00	344.08	611.46
	Net Loan-Closing	7334.00	7370.61	7026.53	6415.06
	Average Loan	7334.00	7352.31	7198.57	6720.80
	Rate of Interest	<b>9.0718%</b>	<b>9.0711%</b>	<b>9.0664%</b>	<b>9.0618%</b>
	<b>Interest</b>	665.33	666.94	652.65	609.02



## Petition No. 106 of 2010

<b>Name of the Company:</b>	<b>PGCIL</b>
<b>Name of the Tr. System:</b>	<b>Asset-1 Moga –Hissar D/C TL alongwith 220 kV Hissar – Hissar (BBMB) D/C line and 400 kV S/C Hissar-Bhiwani ckt-1 TL with associated bays at Hissar and Bhiwani S/S</b>
<b>Notional DOCO:</b>	<b>01.07.1995</b>
<b>Petition No.:</b>	<b>106/2010</b>
<b>Tariff setting Period:</b>	<b>2009-14</b>

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

(₹ in lakh)

	<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>Bond XIV</b>					
	Gross loan opening	1355.52	<b>1355.52</b>	<b>1355.52</b>	<b>1355.52</b>	<b>1355.52</b>
	Cumulative Repayment upto DOCO/previous year	564.80	<b>677.76</b>	<b>790.72</b>	<b>903.68</b>	<b>1016.64</b>
	Net Loan-Opening	790.72	677.76	564.80	451.84	338.88
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	112.96	112.96	112.96	112.96	112.96
	Net Loan-Closing	677.76	564.80	451.84	338.88	225.92
	Average Loan	734.24	621.28	508.32	395.36	282.40
	Rate of Interest	6.10%	6.10%	6.10%	6.10%	6.10%
	Interest	44.79	37.90	31.01	24.12	17.23
	Rep Schedule	12 equal annual instalments w-e-f 17.07.2004				
<b>2</b>	<b>Bond III series (2nd) (9.75%)</b>					
	Gross loan opening	62.93	<b>62.93</b>	<b>62.93</b>	<b>62.93</b>	<b>62.93</b>
	Cumulative Repayment upto DOCO/previous year	62.93	<b>62.93</b>	<b>62.93</b>	<b>62.93</b>	<b>62.93</b>
	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	Bulletin on 28.10.2001				
<b>3</b>	<b>Bond III Series(Ist)</b>					
	Gross loan opening	10.07	<b>10.07</b>	<b>10.07</b>	<b>10.07</b>	<b>10.07</b>
	Cumulative Repayment upto DOCO/previous year	10.07	<b>10.07</b>	<b>10.07</b>	<b>10.07</b>	<b>10.07</b>
	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	Bulletin on 28.02.2002				
<b>4</b>	<b>Bond I (Issue -III)</b>					
	Gross loan opening	141.49	<b>141.49</b>	<b>141.49</b>	<b>141.49</b>	<b>141.49</b>
	Cumulative Repayment upto DOCO/previous year	141.49	<b>141.49</b>	<b>141.49</b>	<b>141.49</b>	<b>141.49</b>
	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	Bulletin on 10.03.2002				
<b>5</b>	<b>Bond XXX</b>					
	Gross loan opening	0.00	<b>337.02</b>	<b>353.38</b>	<b>353.38</b>	<b>353.38</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	337.02	353.38	353.38	353.38
	Additions during the year	337.02	16.36	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	29.45
	Net Loan-Closing	337.02	353.38	353.38	353.38	323.93
	Average Loan	168.51	345.20	353.38	353.38	338.66
	Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
	Interest	14.83	30.38	31.10	31.10	29.80
	Rep Schedule	12 equal annual instalments w-e-f 29.09.2013				
<b>6</b>	<b>Bond XXXIII</b>					
	Gross loan opening	0.00	<b>0.00</b>	<b>152.44</b>	<b>152.44</b>	<b>152.44</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	152.44	152.44	152.44
	Additions during the year	0.00	152.44	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	12.70
	Net Loan-Closing	0.00	152.44	152.44	152.44	139.74
	Average Loan	0.00	76.22	152.44	152.44	146.09
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	6.59	13.17	13.17	12.62
	Rep Schedule	12 equal annual instalments w-e-f 08.07.2014				
	<b>Total Loan</b>					
	Gross loan opening	1570.01	1907.03	2075.83	2075.83	2075.83

Cumulative Repayment upto DOCO/previous year	779.29	892.25	1005.21	1118.17	1231.13
Net Loan-Opening	790.72	1014.78	1070.62	957.66	844.70
Additions during the year	337.02	168.80	0.00	0.00	0.00
Repayment during the year	112.96	112.96	112.96	112.96	155.11
Net Loan-Closing	1014.78	1070.62	957.66	844.70	689.59
Average Loan	902.75	1042.70	1014.14	901.18	767.15
Rate of Interest	6.6040%	7.1795%	7.4226%	7.5884%	7.7756%
<b>Interest</b>	59.62	74.86	75.28	68.39	59.65

Petition No. 106/2010

<b>Name of the Company:</b>	<b>PGCIL</b>
<b>Name of the Tr. System:</b>	<b>Asset-2 One bay at Bhiwani S/S for termination of one Ckt of 400 kV Bawana-Bhiwani TL and 400 kV S/C of Hissar-Bawana TL, up to Bhiwani along with associated bays at Hissar</b>
<b>Notional DOCO:</b>	<b>01.02.1998</b>
<b>Petition No.:</b>	<b>106/2010</b>
<b>Tariff setting Period:</b>	<b>2009-14</b>

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

(₹ in lakh)

<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1 Bond XIV</b>					
Gross loan opening	565.16	<b>565.16</b>	<b>565.16</b>	<b>565.16</b>	<b>565.16</b>
Cumulative Repayment upto DOCO/previous year	235.48	<b>282.58</b>	<b>329.68</b>	<b>376.78</b>	<b>423.88</b>
Net Loan-Opening	329.68	282.58	235.48	188.38	141.28
Additions during the year	0.00	0.00	0.00	0.00	0.00
Repayment during the year	47.10	47.10	47.10	47.10	47.10
Net Loan-Closing	282.58	235.48	188.38	141.28	94.18
Average Loan	306.13	259.03	211.93	164.83	117.73
Rate of Interest	6.10%	6.10%	6.10%	6.10%	6.10%
Interest	18.67	15.80	12.93	10.05	7.18
Rep Schedule	12 equal annual instalments w-e-f 17.07.2004				
<b>2 Bond III series (2nd)(9.75%)</b>					
Gross loan opening	9.48	<b>9.48</b>	<b>9.48</b>	<b>9.48</b>	<b>9.48</b>
Cumulative Repayment upto DOCO/previous year	9.48	<b>9.48</b>	<b>9.48</b>	<b>9.48</b>	<b>9.48</b>
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	Bulletin on 28.10.2001				
<b>3 Bond III Series(1st)</b>					
Gross loan opening	1.52	<b>1.52</b>	<b>1.52</b>	<b>1.52</b>	<b>1.52</b>
Cumulative Repayment upto DOCO/previous year	1.52	<b>1.52</b>	<b>1.52</b>	<b>1.52</b>	<b>1.52</b>
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	Bulletin on 28.02.2002				
<b>4</b>	<b>Bond I (Issue -I)</b>					
	Gross loan opening	20.00	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>
	Cumulative Repayment upto DOCO/previous year	20.00	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>	<b>20.00</b>
	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	Bulletin on 10.03.2002				
<b>5</b>	<b>Bond II (Issue -II)</b>					
	Gross loan opening	81.00	<b>81.00</b>	<b>81.00</b>	<b>81.00</b>	<b>81.00</b>
	Cumulative Repayment upto DOCO/previous year	81.00	<b>81.00</b>	<b>81.00</b>	<b>81.00</b>	<b>81.00</b>
	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 31.03.2001				
<b>6</b>	<b>UTI</b>					
	Gross loan opening	48.00	<b>48.00</b>	<b>48.00</b>	<b>48.00</b>	<b>48.00</b>
	Cumulative Repayment upto DOCO/previous year	48.00	<b>48.00</b>	<b>48.00</b>	<b>48.00</b>	<b>48.00</b>
	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 31.03.2001				
<b>7</b>	<b>Bond XXX (Add-cap)</b>					
	Gross loan opening	0.00	<b>243.57</b>	<b>243.57</b>	<b>243.57</b>	<b>243.57</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Net Loan-Opening	0.00	243.57	243.57	243.57	243.57
Additions during the year	243.57	0.00	0.00	0.00	0.00
Repayment during the year	0.00	0.00	0.00	0.00	20.30
Net Loan-Closing	243.57	243.57	243.57	243.57	223.27
Average Loan	121.79	243.57	243.57	243.57	233.42
Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
Interest	10.72	21.43	21.43	21.43	20.54
Rep Schedule	12 equal annual instalments w-e-f 29.09.2013				
<b>Total Loan</b>					
Gross loan opening	725.16	968.73	968.73	968.73	968.73
Cumulative Repayment upto DOCO/previous year	395.48	442.58	489.68	536.78	583.88
Net Loan-Opening	329.68	526.15	479.05	431.95	384.85
Additions during the year	243.57	0.00	0.00	0.00	0.00
Repayment during the year	47.10	47.10	47.10	47.10	67.40
Net Loan-Closing	526.15	479.05	431.95	384.85	317.45
Average Loan	427.91	502.60	455.50	408.40	351.15
Rate of Interest	6.8684%	7.4085%	7.5438%	7.7103%	7.8948%
<b>Interest</b>	29.39	37.23	34.36	31.49	27.72

## Petition No. 16 of 2011

	<b>Name of the Company:</b>	PGCIL				
	<b>Name of the Tr. System:</b>	Combine Asset-1- 315 MVA ICT-II at Malerkotla S/S 400 KV Hissar-Jaipur line with associated bays & 400 kV Bawana-Bhiwani-I and Bawana-Biwani-II lines with associated bays				
	<b>Notional DOCO:</b>	01.02.1998				
	<b>Petition No.:</b>	16/2011				
	<b>Tariff setting Period:</b>	2009-14				
<b>CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN</b>						
(₹ in lakh)						
	<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>BOND VI</b>					
	Gross loan opening	699.00	699.00	699.00	699.00	699.00
	Cumulative Repayment upto DOCO/previous year	489.30	559.20	629.10	699.00	699.00
	Net Loan-Opening	209.70	139.80	69.90	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	69.90	69.90	69.90	0.00	0.00
	Net Loan-Closing	139.80	69.90	0.00	0.00	0.00
	Average Loan	174.75	104.85	34.95	0.00	0.00
	Rate of Interest	13.13%	13.13%	13.13%	13.13%	13.13%
	Interest	22.94	13.77	4.59	0.00	0.00
	Rep Schedule	10 Annual Instalments from 06.12.2002				
<b>2</b>	<b>BOND XI Option -II</b>					
	Gross loan opening	1398.00	1398.00	1398.00	1398.00	1398.00
	Cumulative Repayment upto DOCO/previous year	1398.00	1398.00	1398.00	1398.00	1398.00
	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 07.12.2003				
<b>3</b>	<b>NHPC Bond</b>					
	Gross loan opening	2.59	2.59	2.59	2.59	2.59
	Cumulative Repayment upto DOCO/previous year	2.59	2.59	2.59	2.59	2.59
	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	Bulletin on 24.02.2002				
<b>4</b>	<b>Bond V</b>					
	Gross loan opening	<b>1631.00</b>	<b>1631.00</b>	<b>1631.00</b>	<b>1631.00</b>	<b>1631.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1631.00</b>	<b>1631.00</b>	<b>1631.00</b>	<b>1631.00</b>	<b>1631.00</b>
	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	Bulletin on 24.02.2002				
<b>5</b>	<b>Bond III SERIES (2nd)</b>					
	Gross loan opening	<b>66.21</b>	<b>66.21</b>	<b>66.21</b>	<b>66.21</b>	<b>66.21</b>
	Cumulative Repayment upto DOCO/previous year	<b>66.21</b>	<b>66.21</b>	<b>66.21</b>	<b>66.21</b>	<b>66.21</b>
	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					
<b>6</b>	<b>Bond I (Issue -III)</b>					
	Gross loan opening	<b>39.00</b>	<b>39.00</b>	<b>39.00</b>	<b>39.00</b>	<b>39.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>39.00</b>	<b>39.00</b>	<b>39.00</b>	<b>39.00</b>	<b>39.00</b>
	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					
<b>7</b>	<b>Bond IV (I<sup>st</sup> Tranch)</b>					
	Gross loan opening	<b>407.00</b>	<b>407.00</b>	<b>407.00</b>	<b>407.00</b>	<b>407.00</b>
	Cumulative Repayment upto	<b>407.00</b>	<b>407.00</b>	<b>407.00</b>	<b>407.00</b>	<b>407.00</b>



	DOC0/previous year					
	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	Bulletin on 24.02.2002				
<b>8</b>	<b>Bond III SERIES-I</b>					
	Gross loan opening	<b>113.79</b>	<b>113.79</b>	<b>113.79</b>	<b>113.79</b>	<b>113.79</b>
	Cumulative Repayment upto DOC0/previous year	<b>113.79</b>	<b>113.79</b>	<b>113.79</b>	<b>113.79</b>	<b>113.79</b>
	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					
<b>9</b>	<b>Bond I (Issue I)</b>					
	Gross loan opening	<b>37.00</b>	<b>37.00</b>	<b>37.00</b>	<b>37.00</b>	<b>37.00</b>
	Cumulative Repayment upto DOC0/previous year	<b>37.00</b>	<b>37.00</b>	<b>37.00</b>	<b>37.00</b>	<b>37.00</b>
	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					
<b>10</b>	<b>Bond II</b>					
	Gross loan opening	<b>31.00</b>	<b>31.00</b>	<b>31.00</b>	<b>31.00</b>	<b>31.00</b>
	Cumulative Repayment upto DOC0/previous year	<b>31.00</b>	<b>31.00</b>	<b>31.00</b>	<b>31.00</b>	<b>31.00</b>
	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					

<b>11</b>	<b>UTI</b>					
	Gross loan opening	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>	<b>19.00</b>
	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					
<b>12</b>	<b>LIC Tr.I Loan</b>					
	Gross loan opening	<b>7323.16</b>	<b>7323.16</b>	<b>7323.16</b>	<b>7323.16</b>	<b>7323.16</b>
	Cumulative Repayment upto DOCO/previous year	<b>3379.92</b>	<b>3943.24</b>	<b>4506.56</b>	<b>5069.88</b>	<b>5633.20</b>
	Net Loan-Opening	3943.24	3379.92	2816.60	2253.28	1689.96
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	563.32	563.32	563.32	563.32	563.32
	Net Loan-Closing	3379.92	2816.60	2253.28	1689.96	1126.64
	Average Loan	3661.58	3098.26	2534.94	1971.62	1408.30
	Rate of Interest	6.30%	6.30%	6.30%	6.30%	6.30%
	Interest	230.68	195.19	159.70	124.21	88.72
	Rep Schedule	13 Annual instalments from 31.03.2004				
<b>13</b>	<b>BOND XXX</b>					
	Gross loan opening	<b>0.00</b>	<b>917.83</b>	<b>943.69</b>	<b>943.69</b>	<b>943.69</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	917.83	943.69	943.69	943.69
	Additions during the year	917.83	25.86	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	78.64
	Net Loan-Closing	917.83	943.69	943.69	943.69	865.05
	Average Loan	458.91	930.76	943.69	943.69	904.37
	Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
	Interest	40.38	81.91	83.04	83.04	79.58
	Rep Schedule	12 Annual instalments from 29.09.2013				
<b>14</b>	<b>BOND XXXIII</b>					
	Gross loan opening	<b>0.00</b>	<b>0.00</b>	<b>240.90</b>	<b>240.90</b>	<b>240.90</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	240.90	240.90	240.90
	Additions during the year	0.00	240.90	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	20.08
	Net Loan-Closing	0.00	240.90	240.90	240.90	220.83
	Average Loan	0.00	120.45	240.90	240.90	230.86
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%

Interest	0.00	10.41	20.81	20.81	19.95
Rep Schedule	12 Annual instalments from 08.07.2014				
<b>Total Loan</b>					
Gross loan opening	<b>11766.75</b>	<b>12684.58</b>	<b>12951.34</b>	<b>12951.34</b>	<b>12951.34</b>
Cumulative Repayment upto DOCO/previous year	7613.81	8247.03	8880.25	9513.47	10076.79
Net Loan-Opening	4152.94	4437.55	4071.09	3437.87	2874.55
Additions during the year	917.83	266.76	0.00	0.00	0.00
Repayment during the year	633.22	633.22	633.22	563.32	662.04
Net Loan-Closing	4437.55	4071.09	3437.87	2874.55	2212.51
Average Loan	4295.24	4254.32	3754.48	3156.21	2543.53
<b>Weighted Average Rate of Interest</b>	<b>6.8450%</b>	<b>7.0815%</b>	<b>7.1421%</b>	<b>7.2261%</b>	<b>7.4013%</b>
<b>Interest</b>	294.01	301.27	268.15	228.07	188.25

**Annexure- I/K(ii)**

	<b>Name of the Company:</b>	<b>Power Grid Corporation of India Ltd</b>				
	<b>Name of the Tr. System:</b>	<b>Combined Asset-II- 400 KV D/c Nathpa-Jhakri Transmission System</b>				
	<b>Notional DOCO:</b>	<b>01.03.2001</b>				
	<b>Petition No.:</b>	<b>16/2011</b>				
	<b>Tariff setting Period:</b>	<b>2009-14</b>				
<b>CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN</b>						
(₹ in lakh)						
	<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>BOND VI</b>					
	Gross loan opening	<b>1296.00</b>	<b>1296.00</b>	<b>1296.00</b>	<b>1296.00</b>	<b>1296.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>907.20</b>	<b>1036.80</b>	<b>1166.40</b>	<b>1296.00</b>	<b>1296.00</b>
	Net Loan-Opening	388.80	259.20	129.60	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	<b>129.60</b>	<b>129.60</b>	<b>129.60</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Closing	259.20	129.60	0.00	0.00	0.00
	Average Loan	324.00	194.40	64.80	0.00	0.00
	Rate of Interest	13.13%	13.13%	13.13%	13.13%	13.13%
	Interest	42.54	25.52	8.51	0.00	0.00
	Rep Schedule	10 Annual Instalments from 06.12.2002				
<b>2</b>	<b>BOND VII</b>					
	Gross loan opening	<b>2375.00</b>	<b>2375.00</b>	<b>2375.00</b>	<b>2375.00</b>	<b>2375.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>2375.00</b>	<b>2375.00</b>	<b>2375.00</b>	<b>2375.00</b>	<b>2375.00</b>
	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	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	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 04.08.2003				
<b>3</b>	<b>Bond XI- Option -II</b>					
	Gross loan opening	<b>2748.00</b>	<b>2748.00</b>	<b>2748.00</b>	<b>2748.00</b>	<b>2748.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>2748.00</b>	<b>2748.00</b>	<b>2748.00</b>	<b>2748.00</b>	<b>2748.00</b>
	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	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	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	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

	Rep Schedule	6 Annual Instalments from 07.12.2003				
<b>4</b>	<b>Bond XIII- Option -II</b>					
	Gross loan opening	<b>2232.00</b>	<b>2232.00</b>	<b>2232.00</b>	<b>2232.00</b>	<b>2232.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>2232.00</b>	<b>2232.00</b>	<b>2232.00</b>	<b>2232.00</b>	<b>2232.00</b>
	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	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	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	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Rep Schedule	6 Annual Instalments from 31.07.2003				
<b>5</b>	<b>Corporation Bank</b>					
	Gross loan opening	<b>1728.00</b>	<b>1728.00</b>	<b>1728.00</b>	<b>1728.00</b>	<b>1728.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>950.40</b>	<b>1123.20</b>	<b>1296.00</b>	<b>1468.80</b>	<b>1641.60</b>
	Net Loan-Opening	777.60	604.80	432.00	259.20	86.40
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	<b>172.80</b>	<b>172.80</b>	<b>172.80</b>	<b>172.80</b>	<b>86.40</b>
	Net Loan-Closing	604.80	432.00	259.20	86.40	0.00
	Average Loan	691.20	518.40	345.60	172.80	43.20
	Rate of Interest	11.40%	11.40%	11.40%	11.40%	11.40%
	Interest	<b>78.80</b>	<b>59.10</b>	<b>39.40</b>	<b>19.70</b>	<b>4.92</b>
	Rep Schedule	20 Half yearly Instalments from 10.03.2004				
<b>6</b>	<b>Punjab National Bank-I</b>					
	Gross loan opening	<b>3291.00</b>	<b>3291.00</b>	<b>3291.00</b>	<b>3291.00</b>	<b>3291.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1974.60</b>	<b>2303.70</b>	<b>2632.80</b>	<b>2961.90</b>	<b>3291.00</b>
	Net Loan-Opening	1316.40	987.30	658.20	329.10	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	329.10	329.10	329.10	329.10	0.00
	Net Loan-Closing	987.30	658.20	329.10	0.00	0.00
	Average Loan	1151.85	822.75	493.65	164.55	0.00
	Rate of Interest	9.41%	9.41%	9.41%	9.41%	0.00%
	Interest	108.39	77.42	46.45	15.48	0.00
	Rep Schedule	10 Annual Instalments from 30.03.2004				
<b>7</b>	<b>BOI</b>					
	Gross loan opening	<b>9627.23</b>	<b>9627.23</b>	<b>9627.23</b>	<b>9627.23</b>	<b>9627.23</b>
	Cumulative Repayment upto DOCO/previous year	<b>2533.48</b>	<b>3040.18</b>	<b>3546.88</b>	<b>4053.57</b>	<b>4560.27</b>
	Net Loan-Opening	7093.75	6587.05	6080.36	5573.66	5066.97
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	506.70	506.70	506.70	506.70	506.70

	Net Loan-Closing	6587.05	6080.36	5573.66	5066.97	4560.27
	Average Loan	6840.40	6333.71	5827.01	5320.31	4813.62
	Rate of Interest	3.3163%	3.32%	3.32%	3.32%	3.32%
	Interest	226.85	210.04	193.24	176.44	159.63
	Rep Schedule	38 Equal Half yearly instalments from 10.06.2004				
<b>8</b>	<b>Bond IV( 11st Tranch)</b>					
	Gross loan opening	<b>1737.00</b>	<b>1737.00</b>	<b>1737.00</b>	<b>1737.00</b>	<b>1737.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1737.00</b>	<b>1737.00</b>	<b>1737.00</b>	<b>1737.00</b>	<b>1737.00</b>
	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	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Rep Schedule	Bulletin on 16.07.2001				
<b>9</b>	<b>Bond V</b>					
	Gross loan opening	<b>1677.00</b>	<b>1677.00</b>	<b>1677.00</b>	<b>1677.00</b>	<b>1677.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1677.00</b>	<b>1677.00</b>	<b>1677.00</b>	<b>1677.00</b>	<b>1677.00</b>
	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	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	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	Bulletin on 24.02.2002				
<b>10</b>	<b>Bond III Series(2nd) 9.75%</b>					
	Gross loan opening	<b>8.69</b>	<b>8.69</b>	<b>8.69</b>	<b>8.69</b>	<b>8.69</b>
	Cumulative Repayment upto DOCO/previous year	<b>8.69</b>	<b>8.69</b>	<b>8.69</b>	<b>8.69</b>	<b>8.69</b>
	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	Bulletin on 28.10.2001				
<b>11</b>	<b>LIC-II</b>					
	Gross loan opening	<b>19444.99</b>	<b>19444.99</b>	<b>19444.99</b>	<b>19444.99</b>	<b>19444.99</b>

	Cumulative Repayment upto DOCO/previous year	<b>8974.61</b>	<b>10470.38</b>	<b>11966.14</b>	<b>13461.91</b>	<b>14957.68</b>
	Net Loan-Opening	10470.38	8974.61	7478.85	5983.08	4487.31
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	1495.77	1495.77	1495.77	1495.77	1495.77
	Net Loan-Closing	8974.61	7478.85	5983.08	4487.31	2991.55
	Average Loan	9722.50	8226.73	6730.96	5235.20	3739.43
	Rate of Interest	6.30%	6.30%	6.30%	6.30%	6.30%
	Interest	612.52	518.28	424.05	329.82	235.58
	Rep Schedule	13 Annual instalments from 31.03.2004				
<b>12</b>	<b>BOND IX</b>					
	Gross loan opening	<b>4728.00</b>	<b>4728.00</b>	<b>4728.00</b>	<b>4728.00</b>	<b>4728.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>2836.80</b>	<b>3309.60</b>	<b>3782.40</b>	<b>4255.20</b>	<b>4728.00</b>
	Net Loan-Opening	1891.20	1418.40	945.60	472.80	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	472.80	472.80	472.80	472.80	0.00
	Net Loan-Closing	1418.40	945.60	472.80	0.00	0.00
	Average Loan	1654.80	1182.00	709.20	236.40	0.00
	Rate of Interest	12.25%	12.25%	12.25%	12.25%	12.25%
	Interest	<b>202.71</b>	<b>144.80</b>	<b>86.88</b>	<b>28.96</b>	<b>0.00</b>
	Rep Schedule	10 Annual Instalments from 22.08.2003				
<b>13</b>	<b>Bond VIII</b>					
	Gross loan opening	<b>360.00</b>	<b>360.00</b>	<b>360.00</b>	<b>360.00</b>	<b>360.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>144.00</b>	<b>180.00</b>	<b>216.00</b>	<b>252.00</b>	<b>288.00</b>
	Net Loan-Opening	216.00	180.00	144.00	108.00	72.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	36.00	36.00	36.00	36.00	36.00
	Net Loan-Closing	180.00	144.00	108.00	72.00	36.00
	Average Loan	198.00	162.00	126.00	90.00	54.00
	Rate of Interest	10.35%	10.35%	10.35%	10.35%	10.35%
	Interest	<b>20.49</b>	<b>16.77</b>	<b>13.04</b>	<b>9.32</b>	<b>5.59</b>
	Rep Schedule	10 Annual Instalments from 27.04.2005				
<b>14</b>	<b>BOND III Series -I</b>					
	Gross loan opening	<b>78.65</b>	<b>78.65</b>	<b>78.65</b>	<b>78.65</b>	<b>78.65</b>
	Cumulative Repayment upto DOCO/previous year	<b>78.65</b>	<b>78.65</b>	<b>78.65</b>	<b>78.65</b>	<b>78.65</b>
	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	8.90%	8.90%	8.90%	8.90%	8.90%
	Interest	0.00	0.00	0.00	0.00	0.00

	Rep Schedule	10 Annual Instalments from 27.04.2005				
<b>15</b>	<b>Indian Overseas Bank II</b>					
	Gross loan opening	<b>129.00</b>	<b>129.00</b>	<b>129.00</b>	<b>129.00</b>	<b>129.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>77.40</b>	<b>90.30</b>	<b>103.20</b>	<b>116.10</b>	<b>129.00</b>
	Net Loan-Opening	51.60	38.70	25.80	12.90	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	12.90	12.90	12.90	12.90	0.00
	Net Loan-Closing	38.70	25.80	12.90	0.00	0.00
	Average Loan	45.15	32.25	19.35	6.45	0.00
	Rate of Interest	9.90%	9.90%	9.90%	9.90%	9.90%
	Interest	4.47	3.19	1.92	0.64	0.00
	Rep Schedule	10 Annual Instalments from 11.02.2004				
<b>16</b>	<b>BOND I (Issue-I)</b>					
	Gross loan opening	<b>153.00</b>	<b>153.00</b>	<b>153.00</b>	<b>153.00</b>	<b>153.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>153.00</b>	<b>153.00</b>	<b>153.00</b>	<b>153.00</b>	<b>153.00</b>
	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	Bulletin on 10.03.2002				
<b>17</b>	<b>BOND I (Issue-III)</b>					
	Gross loan opening	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>
	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	Bulletin on 10.03.2002				
<b>18</b>	<b>BOND XXX</b>					
	Gross loan opening	<b>0.00</b>	<b>421.86</b>	<b>441.37</b>	<b>441.37</b>	<b>441.37</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	421.86	441.37	441.37	441.37
	Additions during the year	421.86	19.51	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	36.78



	Net Loan-Closing	421.86	441.37	441.37	441.37	404.59
	Average Loan	210.93	431.62	441.37	441.37	422.98
	Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
	Interest	18.56	37.98	38.84	38.84	37.22
	Rep Schedule	12 annual instalments from 29.09.2013				
<b>19</b>	<b>Bond XXXIII</b>					
	Gross loan opening	<b>0.00</b>	<b>0.00</b>	<b>181.78</b>	<b>181.78</b>	<b>181.78</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	181.78	181.78	181.78
	Additions during the year	0.00	181.78	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	181.78	181.78	181.78	181.78
	Average Loan	0.00	90.89	181.78	181.78	181.78
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	7.85	15.71	15.71	15.71
	Rep Schedule	12 annual instalments from 08.07.2014				
	<b>Total Loan</b>					
	Gross loan opening	51614.56	52036.43	52055.94	52055.94	52055.94
	Cumulative Repayment upto DOCO/previous year	29408.83	32564.50	35720.16	38875.82	41901.88
	Net Loan-Opening	22205.73	19471.93	16335.78	13180.11	10154.05
	Additions during the year	421.86	19.51	0.00	0.00	0.00
	Repayment during the year	3155.66	3155.66	3155.66	3026.06	2161.64
	Net Loan-Closing	19471.93	16335.78	13180.11	10154.05	7992.41
	Average Loan	20838.83	17903.85	14757.95	11667.08	9073.23
	<b>Weighted Average Rate of Interest</b>	<b>6.3119%</b>	<b>6.1054%</b>	<b>5.7754%</b>	<b>5.3072%</b>	<b>4.8820%</b>
	<b>Interest</b>	1315.33	1093.11	852.33	619.19	442.95

**Annexure-I/K(iii)**

<b>Name of the Company:</b>	<b>PGCIL</b>
<b>Name of the Tr. System:</b>	<b>Combine Asset-3- Nathpa Jhakri Abdullapur &amp; Nathpa-Jhakri-Nalagarh</b>
<b>Notional DOCO:</b>	<b>01.04.2003</b>
<b>Petition No.:</b>	<b>16/2011</b>
<b>Tariff setting Period:</b>	<b>2009-14</b>

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

(₹ in lakh)

	<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1</b>	<b>Indian Overseas Bank-II</b>					
	Gross loan opening	<b>144.00</b>	<b>144.00</b>	<b>144.00</b>	<b>144.00</b>	<b>144.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>86.40</b>	<b>100.80</b>	<b>115.20</b>	<b>129.60</b>	<b>144.00</b>
	Net Loan-Opening	57.60	43.20	28.80	14.40	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	14.40	14.40	14.40	14.40	0.00
	Net Loan-Closing	43.20	28.80	14.40	0.00	0.00
	Average Loan	50.40	36.00	21.60	7.20	0.00
	Rate of Interest	<b>9.90%</b>	9.90%	9.90%	9.90%	9.90%
	Interest	<b>4.99</b>	<b>3.56</b>	<b>2.14</b>	<b>0.71</b>	<b>0.00</b>
	Rep Schedule	10 annual instalments from 11.02.2004				
<b>2</b>	<b>BOND VI</b>					
	Gross loan opening	<b>1420.00</b>	<b>1420.00</b>	<b>1420.00</b>	<b>1420.00</b>	<b>1420.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>994.00</b>	<b>1136.00</b>	<b>1278.00</b>	<b>1420.00</b>	<b>1420.00</b>
	Net Loan-Opening	426.00	284.00	142.00	0.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	142.00	142.00	142.00	0.00	0.00
	Net Loan-Closing	284.00	142.00	0.00	0.00	0.00
	Average Loan	355.00	213.00	71.00	0.00	0.00
	Rate of Interest	<b>13.13%</b>	13.13%	13.13%	13.13%	13.13%
	Interest	<b>46.61</b>	<b>27.97</b>	<b>9.32</b>	<b>0.00</b>	<b>0.00</b>
	Rep Schedule	10 Annual instalments from 06.12.2002				
<b>3</b>	<b>BOND VII</b>					
	Gross loan opening	<b>1935.00</b>	<b>1935.00</b>	<b>1935.00</b>	<b>1935.00</b>	<b>1935.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1935.00</b>	<b>1935.00</b>	<b>1935.00</b>	<b>1935.00</b>	<b>1935.00</b>
	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	<b>0.00%</b>	0.00%	0.00%	0.00%	0.00%
	Interest	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

	Rep Schedule	5 Annual Instalments from 04.08.2003				
<b>4</b>	<b>BOND IX</b>					
	Gross loan opening	<b>5300.00</b>	<b>5300.00</b>	<b>5300.00</b>	<b>5300.00</b>	<b>5300.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>3180.00</b>	<b>3710.00</b>	<b>4240.00</b>	<b>4770.00</b>	<b>5300.00</b>
	Net Loan-Opening	2120.00	1590.00	1060.00	530.00	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	530.00	530.00	530.00	530.00	0.00
	Net Loan-Closing	1590.00	1060.00	530.00	0.00	0.00
	Average Loan	1855.00	1325.00	795.00	265.00	0.00
	Rate of Interest	12.25%	12.25%	12.25%	12.25%	0.00%
	Interest	<b>227.24</b>	<b>162.31</b>	<b>97.39</b>	<b>32.46</b>	<b>0.00</b>
	Rep Schedule	10 Annual instalments from 22.08.2003				
<b>5</b>	<b>BOND X</b>					
	Gross loan opening	<b>209.00</b>	<b>209.00</b>	<b>209.00</b>	<b>209.00</b>	<b>209.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>87.08</b>	<b>104.50</b>	<b>121.92</b>	<b>139.33</b>	<b>156.75</b>
	Net Loan-Opening	121.92	104.50	87.08	69.67	52.25
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	17.42	17.42	17.42	17.42	17.42
	Net Loan-Closing	104.50	87.08	69.67	52.25	34.83
	Average Loan	113.21	95.79	78.38	60.96	43.54
	Rate of Interest	10.90%	10.90%	10.90%	10.90%	10.90%
	Interest	<b>12.34</b>	<b>10.44</b>	<b>8.54</b>	<b>6.64</b>	<b>4.75</b>
	Rep Schedule	12 Annual Instalments from 21.06.2004				
<b>6</b>	<b>BOND XI Option I</b>					
	Gross loan opening	<b>223.00</b>	<b>223.00</b>	<b>223.00</b>	<b>223.00</b>	<b>223.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>74.35</b>	<b>92.93</b>	<b>111.51</b>	<b>130.10</b>	<b>148.68</b>
	Net Loan-Opening	148.65	130.07	111.49	92.90	74.32
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	18.58	18.58	18.58	18.58	18.58
	Net Loan-Closing	130.07	111.49	92.90	74.32	55.74
	Average Loan	139.36	120.78	102.20	83.61	65.03
	Rate of Interest	9.80%	9.80%	9.80%	9.80%	9.80%
	Interest	<b>13.66</b>	<b>11.84</b>	<b>10.02</b>	<b>8.19</b>	<b>6.37</b>
	Rep Schedule	12 Annual Instalments from 07.12.2005				
<b>7</b>	<b>BOND XI Option II</b>					
	Gross loan opening	<b>2683.00</b>	<b>2683.00</b>	<b>2683.00</b>	<b>2683.00</b>	<b>2683.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>2683.00</b>	<b>2683.00</b>	<b>2683.00</b>	<b>2683.00</b>	<b>2683.00</b>
	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 07.12.2003				
<b>8</b>	<b>BOND XII</b>					
	Gross loan opening	16.00	16.00	16.00	16.00	16.00
	Cumulative Repayment upto DOCO/previous year	5.33	6.67	8.00	9.33	10.67
	Net Loan-Opening	10.67	9.33	8.00	6.67	5.33
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	1.33	1.33	1.33	1.33	1.33
	Net Loan-Closing	9.33	8.00	6.67	5.33	4.00
	Average Loan	10.00	8.67	7.33	6.00	4.67
	Rate of Interest	9.70%	9.70%	9.70%	9.70%	9.70%
	Interest	0.97	0.84	0.71	0.58	0.45
	Rep Schedule	12 Annual Instalments from 28.03.2006				
<b>9</b>	<b>BOND XIII Option II</b>					
	Gross loan opening	1367.00	1367.00	1367.00	1367.00	1367.00
	Cumulative Repayment upto DOCO/previous year	1367.00	1367.00	1367.00	1367.00	1367.00
	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 31.07.2003				
<b>10</b>	<b>Oriental Bank of Commerce</b>					
	Gross loan opening	102.00	102.00	102.00	102.00	102.00
	Cumulative Repayment upto DOCO/previous year	42.50	51.00	59.50	68.00	76.50
	Net Loan-Opening	59.50	51.00	42.50	34.00	25.50
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	8.50	8.50	8.50	8.50	8.50
	Net Loan-Closing	51.00	42.50	34.00	25.50	17.00
	Average Loan	55.25	46.75	38.25	29.75	21.25
	Rate of Interest	9.60%	9.60%	9.60%	9.60%	9.60%
	Interest	5.30	4.49	3.67	2.86	2.04
	Rep Schedule	12 Annual instalments from 25.03.2005				
<b>11</b>	<b>CORPORATION BANK</b>					
	Gross loan opening	427.00	427.00	427.00	427.00	427.00

	Cumulative Repayment upto DOCO/previous year	<b>234.85</b>	<b>277.55</b>	<b>320.25</b>	<b>362.95</b>	<b>405.65</b>
	Net Loan-Opening	192.15	149.45	106.75	64.05	21.35
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	42.70	42.70	42.70	42.70	21.35
	Net Loan-Closing	149.45	106.75	64.05	21.35	0.00
	Average Loan	170.80	128.10	85.40	42.70	10.68
	Rate of Interest	11.40%	11.40%	11.40%	11.40%	11.40%
	Interest	<b>19.47</b>	<b>14.60</b>	<b>9.74</b>	<b>4.87</b>	<b>1.22</b>
	Rep Schedule	20 Half Yearly Installments from 10.03.2004				
<b>12</b>	<b>PNB-I</b>					
	Gross loan opening	<b>1019.00</b>	<b>1019.00</b>	<b>1019.00</b>	<b>1019.00</b>	<b>1019.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>611.40</b>	<b>713.30</b>	<b>815.20</b>	<b>917.10</b>	<b>1019.00</b>
	Net Loan-Opening	407.60	305.70	203.80	101.90	0.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	101.90	101.90	101.90	101.90	0.00
	Net Loan-Closing	305.70	203.80	101.90	0.00	0.00
	Average Loan	356.65	254.75	152.85	50.95	0.00
	Rate of Interest	9.41%	9.41%	9.41%	9.41%	0.00%
	Interest	<b>33.56</b>	<b>23.97</b>	<b>14.38</b>	<b>4.79</b>	<b>0.00</b>
	Rep Schedule	10 Annual Installments from 30.03.2004				
<b>13</b>	<b>PNB-II</b>					
	Gross loan opening	<b>123.00</b>	<b>123.00</b>	<b>123.00</b>	<b>123.00</b>	<b>123.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>51.25</b>	<b>61.50</b>	<b>71.75</b>	<b>82.00</b>	<b>92.25</b>
	Net Loan-Opening	71.75	61.50	51.25	41.00	30.75
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	10.25	10.25	10.25	10.25	10.25
	Net Loan-Closing	61.50	51.25	41.00	30.75	20.50
	Average Loan	66.63	56.38	46.13	35.88	25.63
	Rate of Interest	9.35%	9.35%	9.35%	9.35%	9.35%
	Interest	<b>6.23</b>	<b>5.27</b>	<b>4.31</b>	<b>3.35</b>	<b>2.40</b>
	Rep Schedule	12 Annual instalments from 08.03.2005				
<b>14</b>	<b>BOI</b>					
	Gross loan opening	<b>682.85</b>	<b>682.85</b>	<b>682.85</b>	<b>682.85</b>	<b>682.85</b>
	Cumulative Repayment upto DOCO/previous year	<b>200.66</b>	<b>235.10</b>	<b>269.55</b>	<b>304.00</b>	<b>338.44</b>
	Net Loan-Opening	482.19	447.74	413.30	378.85	344.40
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	34.45	34.45	34.45	34.45	34.45
	Net Loan-Closing	447.74	413.30	378.85	344.40	309.96
	Average Loan	464.96	430.52	396.07	361.63	327.18
	Rate of Interest	3.32%	3.32%	3.32%	3.32%	3.32%
	Interest	<b>15.42</b>	<b>14.28</b>	<b>13.13</b>	<b>11.99</b>	<b>10.85</b>

	Rep Schedule	38 Equal Half Yearly Installments from 10.06.2004				
<b>15</b>	<b>LIC II</b>					
	Gross loan opening	<b>26972.02</b>	<b>26972.02</b>	<b>26972.02</b>	<b>26972.02</b>	<b>26972.02</b>
	Cumulative Repayment upto DOCO/previous year	<b>12566.35</b>	<b>14624.30</b>	<b>16682.25</b>	<b>18740.20</b>	<b>20798.15</b>
	Net Loan-Opening	14405.68	12347.73	10289.78	8231.83	6173.88
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	2057.95	2057.95	2057.95	2057.95	2057.95
	Net Loan-Closing	12347.73	10289.78	8231.83	6173.88	4115.93
	Average Loan	13376.70	11318.75	9260.80	7202.85	5144.90
	Rate of Interest	6.30%	6.30%	6.30%	6.30%	6.30%
	Interest	<b>842.73</b>	<b>713.08</b>	<b>583.43</b>	<b>453.78</b>	<b>324.13</b>
	Rep Schedule	13 Annual Installments from 31.03.2004				
<b>16</b>	<b>IBRD II</b>					
	Gross loan opening	<b>989.44</b>	<b>989.44</b>	<b>989.44</b>	<b>989.44</b>	<b>989.44</b>
	Cumulative Repayment upto DOCO/previous year	<b>198.27</b>	<b>241.35</b>	<b>287.21</b>	<b>336.03</b>	<b>388.01</b>
	Net Loan-Opening	791.18	748.09	702.23	653.41	601.43
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	43.09	45.86	48.82	51.98	55.32
	Net Loan-Closing	748.09	702.23	653.41	601.43	546.11
	Average Loan	769.63	725.16	677.82	627.42	573.77
	Rate of Interest	3.64%	3.64%	3.64%	3.64%	3.64%
	Interest	<b>28.01</b>	<b>26.40</b>	<b>24.67</b>	<b>22.84</b>	<b>20.89</b>
	Rep Schedule	30 Half Yearly Installments from 15.12.2006				
<b>17</b>	<b>BOND V</b>					
	Gross loan opening	<b>1841.00</b>	<b>1841.00</b>	<b>1841.00</b>	<b>1841.00</b>	<b>1841.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1841.00</b>	<b>1841.00</b>	<b>1841.00</b>	<b>1841.00</b>	<b>1841.00</b>
	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	Bulletin on 24.02.2002				
<b>18</b>	<b>BOND IV (Tranch)</b>					
	Gross loan opening	<b>1900.00</b>	<b>1900.00</b>	<b>1900.00</b>	<b>1900.00</b>	<b>1900.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>1900.00</b>	<b>1900.00</b>	<b>1900.00</b>	<b>1900.00</b>	<b>1900.00</b>
	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 prior to 31.03.2004				
<b>Total Loan</b>					
Gross loan opening	47353.31	47353.31	47353.31	47353.31	47353.31
Cumulative Repayment upto DOCO/previous year	28058.43	31081.00	34106.34	37134.64	40024.09
Net Loan-Opening	19294.88	16272.31	13246.97	10218.67	7329.21
Additions during the year	0.00	0.00	0.00	0.00	0.00
Repayment during the year	3022.57	3025.34	3028.30	2889.46	2225.15
Net Loan-Closing	16272.31	13246.97	10218.67	7329.21	5104.06
Average Loan	17783.59	14759.64	11732.82	8773.94	6216.64
<b>Weighted Average Rate of Interest</b>	<b>7.0657%</b>	<b>6.9043%</b>	<b>6.6605%</b>	<b>6.3036%</b>	<b>6.0015%</b>
<b>Interest</b>	1256.54	1019.05	781.46	553.08	373.09

## Petition No. 268 of 2010

<b>Name of the Company:</b>	PGCIL
<b>Name of the Tr. System:</b>	Combined Asset -1- i) 50 MVAR Bus Reactor at Hissar S/stn, ii) LILO of 400kV Moga-Hissar line, ICT-I at Fatehabad S/stn, 4 Nos. 220kV line bays (feeders from Fatehabad-1 and Fatehabad-2) and 50 MVAR Bus Reactor bay alongwith asstd. Bays at Fatehabad S/stn, iii) Total Upstream System including Malerkotla-Ludhiana-Jalandhar Transmission line alongwith associated bays at Ludhiana S/s & Malerkotla S/s , Jalandhar S/s & Shunt Reactor alongwith associated bays at Ludhiana Sub-station.
<b>Notional DOCO:</b>	01.06.2008
<b>Petition No.:</b>	268/2010
<b>Tariff setting Period:</b>	2009-14

## CALCULATION OF WEIGHTED AVERAGE RATE OF INTEREST ON LOAN

(₹ in lakh)

	Details of Loan	2009-10	2010-11	2011-12	2012-13	2013-14
<b>1</b>	<b>Bond XX</b>					
	Gross loan opening	4600.00	4600.00	4600.00	4600.00	4600.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	383.33	766.67	1150.00
	Net Loan-Opening	4600.00	4600.00	4216.67	3833.33	3450.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	383.33	383.33	383.33	383.33
	Net Loan-Closing	4600.00	4216.67	3833.33	3450.00	3066.67
	Average Loan	4600.00	4408.33	4025.00	3641.67	3258.33
	Rate of Interest	8.93%	8.93%	8.93%	8.93%	8.93%
	Interest	410.78	393.66	359.43	325.20	290.97
	Rep Schedule	12 Annual instalments from 07.09.2010				
<b>2</b>	<b>Bond XXI</b>					
	Gross loan opening	667.00	667.00	667.00	667.00	667.00
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	55.58	111.17	166.75
	Net Loan-Opening	667.00	667.00	611.42	555.83	500.25
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	55.58	55.58	55.58	55.58
	Net Loan-Closing	667.00	611.42	555.83	500.25	444.67
	Average Loan	667.00	639.21	583.63	528.04	472.46
	Rate of Interest	8.73%	8.73%	8.73%	8.73%	8.73%
	Interest	58.23	55.80	50.95	46.10	41.25
	Rep Schedule	12 Annual instalments from 11.10.2010				



<b>3</b>	<b>Bond XXII</b>					
	Gross loan opening	<b>1505.00</b>	<b>1505.00</b>	<b>1505.00</b>	<b>1505.00</b>	<b>1505.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>125.42</b>	<b>250.83</b>	<b>376.25</b>
	Net Loan-Opening	1505.00	1505.00	1379.58	1254.17	1128.75
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	125.42	125.42	125.42	125.42
	Net Loan-Closing	1505.00	1379.58	1254.17	1128.75	1003.33
	Average Loan	1505.00	1442.29	1316.88	1191.46	1066.04
	Rate of Interest	8.68%	8.68%	8.68%	8.68%	8.68%
	Interest	130.63	125.19	114.30	103.42	92.53
	Rep Schedule	12 Annual Instalments from 07.12.2010				
<b>4</b>	<b>Bond XXIV</b>					
	Gross loan opening	<b>1328.00</b>	<b>1328.00</b>	<b>1328.00</b>	<b>1328.00</b>	<b>1328.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>110.67</b>	<b>221.33</b>	<b>332.00</b>
	Net Loan-Opening	1328.00	1328.00	1217.33	1106.67	996.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	110.67	110.67	110.67	110.67
	Net Loan-Closing	1328.00	1217.33	1106.67	996.00	885.33
	Average Loan	1328.00	1272.67	1162.00	1051.33	940.67
	Rate of Interest	9.95%	9.95%	9.95%	9.95%	9.95%
	Interest	132.14	126.63	115.62	104.61	93.60
	Rep Schedule	12 Annual instalments from 26.03.2010				
<b>5</b>	<b>Bond XXV</b>					
	Gross loan opening	<b>2659.00</b>	<b>2659.00</b>	<b>2659.00</b>	<b>2659.00</b>	<b>2659.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>221.58</b>	<b>443.17</b>
	Net Loan-Opening	2659.00	2659.00	2659.00	2437.42	2215.83
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	221.58	221.58	221.58
	Net Loan-Closing	2659.00	2659.00	2437.42	2215.83	1994.25
	Average Loan	2659.00	2659.00	2548.21	2326.63	2105.04
	Rate of Interest	10.10%	10.10%	10.10%	10.10%	10.10%
	Interest	268.56	268.56	257.37	234.99	212.61
	Rep Schedule	12 Annual instalments from 12.06.2011				
<b>6</b>	<b>Bond XXVI</b>					
	Gross loan opening	<b>2771.00</b>	<b>2771.00</b>	<b>2771.00</b>	<b>2771.00</b>	<b>2771.00</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>230.92</b>	<b>461.83</b>
	Net Loan-Opening	2771.00	2771.00	2771.00	2540.08	2309.17

	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	230.92	230.92	230.92
	Net Loan-Closing	2771.00	2771.00	2540.08	2309.17	2078.25
	Average Loan	2771.00	2771.00	2655.54	2424.63	2193.71
	Rate of Interest	9.30%	9.30%	9.30%	9.30%	9.30%
	Interest	257.70	257.70	246.97	225.49	204.01
	Rep Schedule	12 Annual instalments from 07.03.2012				
<b>7</b>	<b>STBL from BOB 29.09.2008 to 14.12.2008 @12.5% replaced by BOND XXVIII @ 9.33% from 15.12.2008 (Add Cap for 2008-09)</b>					
	Gross loan opening	<b>939.12</b>	<b>939.12</b>	<b>939.12</b>	<b>939.12</b>	<b>939.12</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>78.26</b>
	Net Loan-Opening	939.12	939.12	939.12	939.12	860.86
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	78.26	78.26
	Net Loan-Closing	939.12	939.12	939.12	860.86	782.60
	Average Loan	939.12	939.12	939.12	899.99	821.73
	Rate of Interest	9.33%	9.33%	9.33%	9.33%	9.33%
	Interest	87.62	87.62	87.62	83.97	76.67
	Rep Schedule	12 Annual instalments from 15.12.2012				
<b>8</b>	<b>Bond XXX</b>					
	Gross loan opening	<b>0.00</b>	<b>550.72</b>	<b>555.15</b>	<b>555.15</b>	<b>555.15</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	550.72	555.15	555.15	555.15
	Additions during the year	550.72	4.43	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	46.26
	Net Loan-Closing	550.72	555.15	555.15	555.15	508.88
	Average Loan	275.36	552.93	555.15	555.15	532.01
	Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
	Interest	24.23	48.66	48.85	48.85	46.82
	Rep Schedule	12 Annual instalments from 29.09.2013				
<b>9</b>	<b>Bond XXXI (AddCap for 2009-10 Drwal on 31.03.2010)</b>					
	Gross loan opening	<b>0.00</b>	<b>215.70</b>	<b>215.70</b>	<b>215.70</b>	<b>215.70</b>
	Cumulative Repayment upto DOCO/previous year	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	215.70	215.70	215.70	215.70
	Additions during the year	215.70	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	17.98
	Net Loan-Closing	215.70	215.70	215.70	215.70	197.73
	Average Loan	107.85	215.70	215.70	215.70	206.71

	Rate of Interest	8.90%	8.90%	8.90%	8.90%	8.90%
	Interest	9.60	19.20	19.20	19.20	18.40
	Rep Schedule	12 Annual instalments from 25.02.2014				
<b>10</b>	<b>Bond XXXIII</b>					
	Gross loan opening	0.00	0.00	41.26	41.26	41.26
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	0.00	0.00	0.00
	Net Loan-Opening	0.00	0.00	41.26	41.26	41.26
	Additions during the year	0.00	41.26	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	41.26	41.26	41.26	41.26
	Average Loan	0.00	20.63	41.26	41.26	41.26
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	1.78	3.56	3.56	3.56
	Rep Schedule	12 Annual instalments from 08.07.2014				
	<b>Total Loan</b>					
	Gross loan opening	14469.12	15235.54	15281.23	15281.23	15281.23
	Cumulative Repayment upto DOCO/previous year	0.00	0.00	675.00	1802.50	3008.26
	Net Loan-Opening	14469.12	15235.54	14606.23	13478.73	12272.97
	Additions during the year	766.42	45.69	0.00	0.00	0.00
	Repayment during the year	0.00	675.00	1127.50	1205.76	1270.00
	Net Loan-Closing	15235.54	14606.23	13478.73	12272.97	11002.97
	Average Loan	14852.33	14920.88	14042.48	12875.85	11637.97
	<b>Weighted Average Rate of Interest</b>	<b>9.2880%</b>	<b>9.2810%</b>	<b>9.2852%</b>	<b>9.2840%</b>	<b>9.2835%</b>
	<b>Interest</b>	<b>1379.49</b>	<b>1384.81</b>	<b>1303.88</b>	<b>1195.39</b>	<b>1080.41</b>

Petition No. 163 of 2010

<b>Name of the Company:</b>	<b>PGCIL</b>
<b>Name of the Tr. System:</b>	<b>Northern Region System Strengthening Scheme - II</b>
<b>Notional DOCO:</b>	<b>01.09.2005</b>
<b>Petition No.:</b>	<b>163/2010</b>
<b>Tariff setting Period:</b>	<b>2009-14</b>

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

(₹ in lakh)

<b>Details of Loan</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>1 Bond XXIII</b>					
Gross loan opening	194.00	<b>194.00</b>	<b>194.00</b>	<b>194.00</b>	<b>194.00</b>
Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>16.17</b>	<b>32.33</b>	<b>48.50</b>
Net Loan-Opening	194.00	194.00	177.83	161.67	145.50
Additions during the year	0.00	0.00	0.00	0.00	0.00
Repayment during the year	0.00	16.17	16.17	16.17	16.17
Net Loan-Closing	194.00	177.83	161.67	145.50	129.33
Average Loan	194.00	185.92	169.75	153.58	137.42
Rate of Interest	9.25%	9.25%	9.25%	9.25%	9.25%
Interest	17.95	17.20	15.70	14.21	12.71
Rep Schedule	12 Annual Instalments from 09.02.2011				
<b>2 Bond XXVII</b>					
Gross loan opening	254.00	<b>254.00</b>	<b>254.00</b>	<b>254.00</b>	<b>254.00</b>
Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>21.17</b>	<b>42.33</b>
Net Loan-Opening	254.00	254.00	254.00	232.83	211.67
Additions during the year	0.00	0.00	0.00	0.00	0.00
Repayment during the year	0.00	0.00	21.17	21.17	21.17
Net Loan-Closing	254.00	254.00	232.83	211.67	190.50
Average Loan	254.00	254.00	243.42	222.25	201.08
Rate of Interest	9.47%	9.47%	9.47%	9.47%	9.47%
Interest	24.05	24.05	23.05	21.05	19.04
Rep Schedule	12 Annual Instalments from 31.03.2012				
<b>3 Bond XV</b>					
Gross loan opening	229.00	<b>229.00</b>	<b>229.00</b>	<b>229.00</b>	<b>229.00</b>
Cumulative Repayment upto DOCO/previous year	38.16	<b>57.24</b>	<b>76.33</b>	<b>95.41</b>	<b>114.49</b>
Net Loan-Opening	190.84	171.76	152.67	133.59	114.51
Additions during the year	0.00	0.00	0.00	0.00	0.00
Repayment during the year	19.08	19.08	19.08	19.08	19.08
Net Loan-Closing	171.76	152.67	133.59	114.51	95.42
Average Loan	181.30	162.22	143.13	124.05	104.97
Rate of Interest	6.68%	6.68%	6.68%	6.68%	6.68%

	Interest	12.11	10.84	9.56	8.29	7.01
	Rep Schedule	12 Annual Instalments from 23.02.2008				
<b>4</b>	<b>Bond XVII</b>					
	Gross loan opening	9627.00	<b>9627.00</b>	<b>9627.00</b>	<b>9627.00</b>	<b>9627.00</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>962.70</b>	<b>1925.40</b>	<b>2888.10</b>	<b>3850.80</b>
	Net Loan-Opening	9627.00	8664.30	7701.60	6738.90	5776.20
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	962.70	962.70	962.70	962.70	962.70
	Net Loan-Closing	8664.30	7701.60	6738.90	5776.20	4813.50
	Average Loan	9145.65	8182.95	7220.25	6257.55	5294.85
	Rate of Interest	7.39%	7.39%	7.39%	7.39%	7.39%
	Interest	675.86	604.72	533.58	462.43	391.29
	Rep Schedule	10 Annual Instalments from 22.09.2009				
<b>5</b>	<b>Bond XVIII</b>					
	Gross loan opening	1300.00	<b>1300.00</b>	<b>1300.00</b>	<b>1300.00</b>	<b>1300.00</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>108.33</b>	<b>216.67</b>	<b>325.00</b>	<b>433.33</b>
	Net Loan-Opening	1300.00	1191.67	1083.33	975.00	866.67
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	108.33	108.33	108.33	108.33	108.33
	Net Loan-Closing	1191.67	1083.33	975.00	866.67	758.33
	Average Loan	1245.83	1137.50	1029.17	920.83	812.50
	Rate of Interest	8.15%	8.15%	8.15%	8.15%	8.15%
	Interest	101.54	92.71	83.88	75.05	66.22
	Rep Schedule	12 annual Instalments from 09.03.2010				
<b>6</b>	<b>Bond XIX</b>					
	Gross loan opening	600.00	<b>600.00</b>	<b>600.00</b>	<b>600.00</b>	<b>600.00</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>50.00</b>	<b>100.00</b>	<b>150.00</b>
	Net Loan-Opening	600.00	600.00	550.00	500.00	450.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	50.00	50.00	50.00	50.00
	Net Loan-Closing	600.00	550.00	500.00	450.00	400.00
	Average Loan	600.00	575.00	525.00	475.00	425.00
	Rate of Interest	9.25%	9.25%	9.25%	9.25%	9.25%
	Interest	55.50	53.19	48.56	43.94	39.31
	Rep Schedule	12 annual Instalments from 24.07.2010				
<b>7</b>	<b>Bond XX</b>					
	Gross loan opening	2961.00	<b>2961.00</b>	<b>2961.00</b>	<b>2961.00</b>	<b>2961.00</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>246.75</b>	<b>493.50</b>	<b>740.25</b>
	Net Loan-Opening	2961.00	2961.00	2714.25	2467.50	2220.75
	Additions during the year	0.00	0.00	0.00	0.00	0.00

	Repayment during the year	0.00	246.75	246.75	246.75	246.75
	Net Loan-Closing	2961.00	2714.25	2467.50	2220.75	1974.00
	Average Loan	2961.00	2837.63	2590.88	2344.13	2097.38
	Rate of Interest	8.93%	8.93%	8.93%	8.93%	8.93%
	Interest	264.42	253.40	231.37	209.33	187.30
	Rep Schedule	12 Annual Instalments from 07.12.2010				
<b>8</b>	<b>Bond XXI</b>					
	Gross loan opening	304.00	<b>304.00</b>	<b>304.00</b>	<b>304.00</b>	<b>304.00</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>25.33</b>	<b>50.67</b>	<b>76.00</b>
	Net Loan-Opening	304.00	304.00	278.67	253.33	228.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	25.33	25.33	25.33	25.33
	Net Loan-Closing	304.00	278.67	253.33	228.00	202.67
	Average Loan	304.00	291.33	266.00	240.67	215.33
	Rate of Interest	8.73%	8.73%	8.73%	8.73%	8.73%
	Interest	26.54	25.43	23.22	21.01	18.80
	Rep Schedule	12 annual Instalments from 11.10.2010				
<b>9</b>	<b>Bond XXII</b>					
	Gross loan opening	128.00	<b>128.00</b>	<b>128.00</b>	<b>128.00</b>	<b>128.00</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>10.67</b>	<b>21.33</b>	<b>32.00</b>
	Net Loan-Opening	128.00	128.00	117.33	106.67	96.00
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	10.67	10.67	10.67	10.67
	Net Loan-Closing	128.00	117.33	106.67	96.00	85.33
	Average Loan	128.00	122.67	112.00	101.33	90.67
	Rate of Interest	8.68%	8.68%	8.68%	8.68%	8.68%
	Interest	11.11	10.65	9.72	8.80	7.87
	Rep Schedule	12 annual Instalments from 07.12.2010				
<b>10</b>	<b>Bond XXV</b>					
	Gross loan opening	28.00	<b>28.00</b>	<b>28.00</b>	<b>28.00</b>	<b>28.00</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>2.33</b>	<b>4.67</b>
	Net Loan-Opening	28.00	28.00	28.00	25.67	23.33
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	2.33	2.33	2.33
	Net Loan-Closing	28.00	28.00	25.67	23.33	21.00
	Average Loan	28.00	28.00	26.83	24.50	22.17
	Rate of Interest	10.10%	10.10%	10.10%	10.10%	10.10%
	Interest	2.83	2.83	2.71	2.47	2.24
	Rep Schedule	12 annual Instalments from 12.06.2011				
<b>11</b>	<b>Bond XXVII (ADDCAP FOR 2007-08)Drawl on 31.03.2008</b>					

	Gross loan opening	187.00	<b>187.00</b>	<b>187.00</b>	<b>187.00</b>	<b>187.00</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>15.58</b>	<b>31.17</b>
	Net Loan-Opening	187.00	187.00	187.00	171.42	155.83
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	15.58	15.58	15.58
	Net Loan-Closing	187.00	187.00	171.42	155.83	140.25
	Average Loan	187.00	187.00	179.21	163.63	148.04
	Rate of Interest	9.47%	9.47%	9.47%	9.47%	9.47%
	Interest	17.71	17.71	16.97	15.50	14.02
	Rep Schedule	12 annual Instalments from 31.03.2012				
<b>12</b>	<b>Bond XXIX (ADDCAP FOR 2008-09) Drawl on 12.03.2009</b>					
	Gross loan opening	129.72	<b>129.72</b>	<b>129.72</b>	<b>129.72</b>	<b>129.72</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>10.81</b>
	Net Loan-Opening	129.72	129.72	129.72	129.72	118.91
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	10.81	10.81
	Net Loan-Closing	129.72	129.72	129.72	118.91	108.10
	Average Loan	129.72	129.72	129.72	124.32	113.51
	Rate of Interest	9.20%	9.20%	9.20%	9.20%	9.20%
	Interest	11.93	11.93	11.93	11.44	10.44
	Rep Schedule	12 annual Instalments from 12.03.2013				
<b>13</b>	<b>Bond XXVIII (ADDCAP FOR 2008-09) Drawl on 15.12.2008</b>					
	Gross loan opening	426.00	<b>426.00</b>	<b>426.00</b>	<b>426.00</b>	<b>426.00</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>35.50</b>
	Net Loan-Opening	426.00	426.00	426.00	426.00	390.50
	Additions during the year	0.00	0.00	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	35.50	35.50
	Net Loan-Closing	426.00	426.00	426.00	390.50	355.00
	Average Loan	426.00	426.00	426.00	408.25	372.75
	Rate of Interest	9.33%	9.33%	9.33%	9.33%	9.33%
	Interest	39.75	39.75	39.75	38.09	34.78
	Rep Schedule	12 annual Instalments from 15.12.2012				
<b>15</b>	<b>Bond XXX</b>					
	Gross loan opening	0.00	<b>83.52</b>	<b>84.00</b>	<b>84.00</b>	<b>84.00</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	83.52	84.00	84.00	84.00
	Additions during the year	83.52	0.48	0.00	0.00	0.00
	Repayment during the year	0.00	0.00	0.00	0.00	7.00
	Net Loan-Closing	83.52	84.00	84.00	84.00	77.00
	Average Loan	41.76	83.76	84.00	84.00	80.50

	Rate of Interest	8.80%	8.80%	8.80%	8.80%	8.80%
	Interest	3.68	7.37	7.39	7.39	7.08
	Rep Schedule	12 annual Instalments from 29.09.2013				
<b>16</b>	<b>Bond XXXIII</b>					
	Gross loan opening	0.00	<b>0.00</b>	<b>4.52</b>	<b>4.52</b>	<b>4.52</b>
	Cumulative Repayment upto DOCO/previous year	0.00	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Net Loan-Opening	0.00	0.00	4.52	4.52	4.52
	Additions during the year	0.00	4.52	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	4.52	4.52	4.52	4.52
	Average Loan	0.00	2.26	4.52	4.52	4.52
	Rate of Interest	8.64%	8.64%	8.64%	8.64%	8.64%
	Interest	0.00	0.20	0.39	0.39	0.39
	Rep Schedule	12 annual Instalments from 08.07.2014				
	<b>Total Loan</b>					
	Gross loan opening	16367.72	16451.24	16456.24	16456.24	16456.24
	Cumulative Repayment upto DOCO/previous year	38.16	1128.28	2567.31	4045.43	5569.85
	Net Loan-Opening	16329.56	15322.97	13888.93	12410.82	10886.39
	Additions during the year	83.52	5.00	0.00	0.00	0.00
	Repayment during the year	1090.12	1439.03	1478.12	1524.43	1531.43
	Net Loan-Closing	15322.97	13888.93	12410.82	10886.39	9354.96
	Average Loan	15826.26	14605.95	13149.88	11648.60	10120.68
	<b>Weighted Average Rate of Interest</b>	<b>7.9928%</b>	<b>8.0239%</b>	<b>8.0441%</b>	<b>8.0643%</b>	<b>8.0874%</b>
	<b>Interest</b>	1264.97	1171.97	1057.78	939.37	818.50



**Asset: 1**

**Name of the Asset: Rihand Transmission System (HVDC)**

**Details of transmission charges allowed:**

**(₹ in lakh)**

<b>Particulars</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
Depreciation	1012.15	1057.71	1074.95	1074.95	1094.09
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Return on Equity	6027.35	6027.35	6027.35	6027.35	6036.27
Interest on Working Capital	258.50	265.86	273.00	280.11	288.22
O&M Expenses	2234.72	2362.77	2498.37	2640.46	2791.05
<b>Total</b>	<b>9532.72</b>	<b>9713.68</b>	<b>9873.67</b>	<b>10022.87</b>	<b>10209.63</b>

**Name of the Asset: Rihand Transmission System (AC)**

**Details of transmission charges allowed:**

**(₹ in lakh)**

<b>Particulars</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
Depreciation	839.81	989.62	1042.12	1070.18	1124.58
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Return on Equity	4885.27	4900.52	4915.89	4930.60	4950.68
Interest on Working Capital	229.24	238.93	247.02	254.95	263.91
O&M Expenses	2197.33	2322.41	2455.86	2596.50	2744.62
<b>Total</b>	<b>8151.65</b>	<b>8451.48</b>	<b>8660.89</b>	<b>8852.23</b>	<b>9083.79</b>

**Asset: 2****Name of the Asset: Tehri Transmission System****Details of transmission charges allowed:**

Particulars	(₹ in lakh)				
	2009-10	2010-11	2011-12	2012-13	2013-14
Depreciation	4107.57	4121.75	4127.53	4127.53	4127.53
Interest on Loan	2446.69	2084.34	1709.55	1359.56	1032.27
Return on Equity	4094.63	4108.71	4114.45	4141.69	4180.60
Interest on Working Capital	260.85	256.12	250.89	246.66	243.28
O&M Expenses	777.72	822.32	869.21	919.16	971.60
<b>Total</b>	<b>11687.46</b>	<b>11393.23</b>	<b>11071.63</b>	<b>10794.60</b>	<b>10555.28</b>

**Asset: 3****Name of the Asset: Rihand-II Transmission System****Details of transmission charges allowed:**

Particulars	(₹ in lakh)				
	2009-10	2010-11	2011-12	2012-13	2013-14
Depreciation	4731.97	4754.00	4765.28	4765.28	4765.28
Interest on Loan	3646.46	3334.41	3003.82	2661.01	2317.88
Return on Equity	4682.60	4704.85	4716.19	4716.19	4716.19
Interest on Working Capital	408.40	410.62	412.44	414.00	416.03
O&M Expenses	2722.45	2878.33	3043.17	3217.06	3400.66
<b>Total</b>	<b>16191.89</b>	<b>16082.21</b>	<b>15940.91</b>	<b>15773.55</b>	<b>15616.05</b>

**Asset-4****Name of the Asset: Auriya Transmission System****Details of transmission charges allowed:**

<b>Particulars</b>	<b>(₹ in lakh)</b>				
	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
Depreciation	222.44	236.75	250.81	265.07	273.96
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Return on Equity	893.61	903.36	912.36	923.16	929.38
Interest on Working Capital	48.31	50.24	52.25	54.37	56.37
O&M Expenses	500.79	529.32	559.82	591.80	625.51
<b>Total</b>	<b>1665.15</b>	<b>1719.67</b>	<b>1775.23</b>	<b>1834.39</b>	<b>1885.21</b>

**Asset-5****Name of the Asset: Singrauli Transmission System****Details of transmission charges allowed:**

<b>Particulars</b>	<b>(₹ in lakh)</b>				
	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
Depreciation	353.73	375.89	402.67	432.01	449.88
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Return on Equity	2061.05	2070.35	2079.76	2092.15	2099.44
Interest on Working Capital	142.66	148.54	154.92	161.71	168.45
O&M Expenses	1845.80	1950.30	2062.77	2181.05	2305.30
<b>Total</b>	<b>4403.24</b>	<b>4545.08</b>	<b>4700.13</b>	<b>4866.91</b>	<b>5023.07</b>

**Asset-6****Name of the Asset: Faridabad Gas Project Transmission****Details of transmission charges allowed:**

<b>Particulars</b>	<b>(₹ in lakh)</b>				
	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
Depreciation	65.09	68.88	72.68	26.77	26.77
Interest on Loan	5.12	3.64	2.34	0.00	0.00
Return on Equity	127.55	131.32	135.09	135.09	135.09
Interest on Working Capital	8.24	8.60	8.98	8.24	8.52
O&M Expenses	82.34	87.04	92.05	97.30	102.86
<b>Total</b>	<b>288.34</b>	<b>299.48</b>	<b>311.13</b>	<b>267.39</b>	<b>273.23</b>

**Asset-7****Name of the Asset: NRSSS-I (LILO of Bareilly- Muradabad TL)****Details of transmission charges allowed:**

<b>Particulars</b>	<b>(₹ in lakh)</b>				
	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
Depreciation	1729.07	1755.59	1774.61	1774.61	1774.61
Interest on Loan	1854.31	1734.01	1600.93	1443.60	1286.08
Return on Equity	1725.55	1751.89	1770.78	1770.78	1770.78
Interest on Working Capital	164.23	165.89	167.15	167.30	167.63
O&M Expenses	1071.20	1132.49	1197.34	1265.82	1338.12
<b>Total</b>	<b>6544.35</b>	<b>6539.88</b>	<b>6510.81</b>	<b>6422.11</b>	<b>6337.23</b>

**Asset-8****Name of the Asset: NRSSS-V (Agra-Bhiwadi TL)****Details of transmission charges allowed:**

Particulars	(₹ in lakh)			
	2010-11	2011-12	2012-13	2013-14
Depreciation	3374.53	3515.65	3548.11	3548.11
Interest on Loan	1192.08	1155.37	1072.86	969.45
Return on Equity	3348.32	3488.17	3520.38	3520.38
Interest on Working Capital	204.92	212.48	214.96	215.87
O&M Expenses	976.79	1032.72	1091.72	1153.91
<b>Total</b>	<b>9096.65</b>	<b>9404.39</b>	<b>9448.02</b>	<b>9407.72</b>

**Asset-9****Name of the Asset: NRSSS-VI (LILO of Ballabhgarh-Bhiwadi)****Details of transmission charges allowed:**

Particulars	(₹ in lakh)			
	2010-11 (pro-rata)	2011-12	2012-13	2013-14
Depreciation	418.26	598.33	608.27	608.27
Interest on Loan	503.28	678.19	636.18	580.74
Return on Equity	427.38	613.86	624.64	624.64
Interest on Working Capital	29.66	41.60	41.56	40.90
O&M Expenses	99.60	140.41	148.44	156.91
<b>Total</b>	<b>1478.17</b>	<b>2072.39</b>	<b>2059.10</b>	<b>2011.47</b>

**Asset-10****Name of the Asset: Moga-Hissar TL****Details of transmission charges allowed:**

	(₹ in lakh)				
<b>Particulars</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
Depreciation	223.28	245.15	260.46	260.46	260.46
Interest on Loan	1.06	1.71	0.58	0.00	0.00
Return on Equity	1106.50	1124.63	1133.19	1133.19	1133.19
Interest on Working Capital	66.04	69.08	71.87	74.31	76.89
O&M Expenses	765.67	809.50	855.87	904.78	956.43
<b>Total</b>	<b>2162.55</b>	<b>2250.07</b>	<b>2321.97</b>	<b>2372.74</b>	<b>2426.97</b>

**Name of the Asset: Hissar-Bhiwani TL****Details of transmission charges allowed:**

	(₹ in lakh)				
<b>Particulars</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
Depreciation	105.80	69.51	69.51	69.51	69.51
Interest on Loan	21.09	9.65	4.58	1.00	0.00
Return on Equity	199.28	205.97	205.97	205.97	205.97
Interest on Working Capital	12.63	12.11	12.35	12.65	13.03
O&M Expenses	116.57	123.23	130.29	137.75	145.62
<b>Total</b>	<b>455.38</b>	<b>420.46</b>	<b>422.70</b>	<b>426.88</b>	<b>434.13</b>

**Asset-11**

**Name of the Asset: Nathpa-Jhakri Transmission System ((i) 400 kV Hissar-Jaipur Line with associated bays (ii) Bawana-Bhiwani Ckt- 1 and 2 with bays)**

**Details of transmission charges allowed:**

Particulars	(₹ in lakh)				
	2009-10	2010-11	2011-12	2012-13	2013-14
Depreciation	1051.58	293.32	307.49	307.49	307.49
Interest on Loan	267.81	250.96	231.65	212.16	194.55
Return on Equity	748.42	771.18	771.18	771.18	771.18
Interest on Working Capital	66.88	52.56	53.90	55.01	56.25
O&M Expenses	475.54	502.64	531.51	561.94	593.98
<b>Total</b>	<b>2610.24</b>	<b>1870.67</b>	<b>1895.73</b>	<b>1907.78</b>	<b>1923.44</b>

**Name of the Asset: 400 kV Abdullapur-Bawana and Nalagarh-Hissar TL with associated bays**

**Details of transmission charges allowed:**

Particulars	(₹ in lakh)				
	2009-10	2010-11	2011-12	2012-13	2013-14
Depreciation	3397.94	3403.80	3404.78	3404.78	617.96
Interest on Loan	1300.50	1055.06	802.16	556.44	413.66
Return on Equity	1812.87	1818.69	1819.67	1819.67	1819.67
Interest on Working Capital	224.03	224.21	224.33	224.85	169.75
O&M Expenses	1765.58	1866.69	1973.58	2086.35	2205.49
<b>Total</b>	<b>8500.91</b>	<b>8368.46</b>	<b>8224.52</b>	<b>8092.08</b>	<b>5226.53</b>

**Name of the Asset: Nathpa-Jhakri-Abdullapur TL**

**Details of transmission charges allowed:**

Particulars	(₹ in lakh)				
	2009-10	2010-11	2011-12	2012-13	2013-14
Depreciation	3598.45	3598.45	3598.83	3599.21	3599.21
Interest on Loan	1396.16	1115.82	837.06	565.67	322.55
Return on Equity	2731.91	2731.91	2732.29	2732.66	2732.66
Interest on Working Capital	205.01	201.69	198.55	195.72	193.62
O&M Expenses	879.06	929.42	982.63	1038.76	1098.05
<b>Total</b>	<b>8810.59</b>	<b>8577.29</b>	<b>8349.36</b>	<b>8132.03</b>	<b>7946.09</b>

**Asset-12****Name of the Asset: NRSSS-III****Details of transmission charges allowed:**

<b>Particulars</b>	<b>(₹ in lakh)</b>				
	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
Depreciation	1083.41	1114.36	1129.72	1129.72	1129.72
Interest on Loan	1269.82	1217.86	1134.27	1029.24	924.31
Return on Equity	1111.05	1152.21	1168.38	1168.38	1168.38
Interest on Working Capital	110.66	113.28	114.53	114.79	115.21
O&M Expenses	768.87	812.83	859.39	908.53	960.45
<b>Total</b>	<b>4343.83</b>	<b>4410.54</b>	<b>4406.30</b>	<b>4350.67</b>	<b>4298.07</b>

**Asset-13****Name of the Asset: NRSSS-II****Details of transmission charges allowed:**

<b>Particulars</b>	<b>(₹ in lakh)</b>				
	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
Depreciation	1238.18	1252.59	1266.32	1270.26	1271.75
Interest on Loan	1149.30	1069.27	985.45	889.96	791.37
Return on Equity	1228.44	1242.85	1256.63	1260.64	1262.16
Interest on Working Capital	100.79	101.18	101.55	101.35	101.07
O&M Expenses	508.37	537.49	568.27	600.73	635.01
<b>Total</b>	<b>4225.09</b>	<b>4203.39</b>	<b>4178.22</b>	<b>4122.93</b>	<b>4061.36</b>