

**BEFORE THE HON'BLE UTTARAKHAND ELECTRICITY REGULATORY
COMMISSION DEHRADUN, UTTARAKHAND.**

FILING NO. _____

CASE NO. _____

In the matter of: Filing of proposed tariffs for the financial years 2012-13 and Truing up for FY 2008-09 and FY 2009-10 for Ramganga generating station of UJVN Ltd. for the Determination of Hydro Generation Tariffs under Section 62 and 86 of the Electricity Act, 2003 read with the relevant regulations and guidelines of the Commission

AND

In the matter of: UJVN Ltd., a Company incorporated under the provisions of the Companies Act, 1956 and having its registered office at UJJWAL, Maharani Bagh, GMS Road, Dehra Dun – Petitioner.

A. Specific Legal Provisions under which the Petition is being filed

- 1) UJVN Ltd., under Section 62 and 86 of the Electricity Act, 2003 read with section 4(1) of the Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Hydro Generation Tariff) Regulations, 2004 is filing this Tariff Petition before the Hon'ble Commission for approval of Tariffs for the Financial Year 2012-13 and truing up for FY 2008-09 & FY 2009-10.

B. Limitation

- 2) In terms of Section 56(4) (Chapter VI) of Uttarakhand Electricity Regulatory Commission Conduct of Business Regulation 2004, an application for tariff determination by every licensee shall be filed before the Hon'ble Uttarakhand Electricity Regulatory Commission on or before 30th November every year.
- 3) The present petition for Tariff Determination is within the period mentioned in Para (2) above hence not barred by Limitation.

C. Facts of the case

- 4) The Petitioner, UJVN Ltd. , is a company incorporated under the provisions of the Companies Act, 1956, having its registered office at UJJWAL, Maharani Bagh, GMS Road, Dehradun
 - 5) It is submitted that Government of India (GoI) vide order dated November 5, 2001 (**Copy of the order placed at Annexure I enclosed**) transferred all hydropower assets of Uttar Pradesh Jal Vidyut Nigam Limited (UPJVNL) located in the State of Uttarakhand to UJVNL with effect from November 09, 2001. In compliance to the said order, administrative and financial control of all hydro power plants of UPJVNL in operation or under construction was taken over by UJVNL with effect from November 09, 2001. GOI order also defines the basis of division of assets and liabilities between UPJVNL and UJVNL and is self-explanatory.
 - 6) Though administrative and financial control was transferred to UJVNL on November 09, 2001, UJVNL initiated discussions with UPJVNL for formulation of transfer scheme as per the said GOI order on mutually agreed terms.
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- 7) Government of Uttarakhand (GoU) has notified the provisional transfer scheme vide its notification no. 70/AS (E)/I/2008-04 (3)/22/08 dated 07/03/08. The copy of the said notification is placed at **Annexure –II**.
- 8) The Hon'ble Uttarakhand Electricity Regulatory Commission issued the tariff regulations for hydro generating stations in the State of Uttarakhand viz Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Hydro Generation Tariff) Regulations, 2004 (hereinafter referred to as the "Tariff Regulations") on 14th May 2004. These regulations are applicable for plants of capacity more than 25 MW. In accordance to the notification dated 28/06/11, the Tariff Regulations 2004 are valid up to the date 30/11/11.
- 9) As per section 4(1) of the Tariff Regulations 2004, UJVNL is required to obtain approval for its tariff from the Hon'ble Commission based on provisions of the Tariff Regulations. In terms of Section 4(3) of the Tariff Regulations "The generating company shall file with application for determination of tariff duly validated projected annual data for as many years for which it wants the tariff to be fixed but not exceeding 5 years".
- 10) Based on the provisions of the Section 4(3) of the Tariff Regulations, the Petitioner is filing this Petition **for determination of generation tariff for the financial years 2012-13 and truing up for FY 2008-09 and FY 2009-10**.
- 11) It is submitted that in development of these petitions, UJVNL has been guided by principles that are inherent in the Tariff Orders of the Commission dated 12/07/06, 14/03/07, 18/03/08, 21/10/09 , 05/04/10 and 10/05/11 to the extent the same are acceptable to the Petitioner.

**DIRECTIVES OF HON'BLE UERC AS CONTAINED IN THE
TARIFF ORDER DATED 10/05/11**

- 12) The Hon'ble Commission has given various directives in its tariff order dated 10/05/11 contained in Chapter 6. Such directives along with status of compliance thereof is detailed as follows:
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6.1.1 Performance Improvement Measures

“The Commission in its Tariff order dated October 21, 2009 directed the Petitioner to conduct a benchmarking study of its plants with other efficient utilities like NHPC, to explore further scope of improvement in technical losses and manpower rationalization including incentive mechanism. The petitioner was further directed to submit an action taken report for implementation of efficiency improvement and manpower rationalization measures giving target dates for completion of each milestone of proposed plan within 6 months of issuance of the Order dated October 21, 2009.

Further, the Commission in its Tariff Order April 5, 2010 observed as follows with respect to this direction:

“The Commission has so far not heard anything from the Petitioner in this regard. The Commission is, however, hopeful that UJVNL would conduct such a study in its own commercial interest and submit a report to the Commission within the timelines specified in the previous order”.

The Petitioner during the current tariff determination process submitted that the data obtained from NHPC is being analyzed by UJVNL and the report would be submitted shortly. However, UJVNL is yet to submit the report.

The Commission re-iterates its direction to complete the benchmarking study of its plants and submit the report to the Commission within 3 months from the date of this Order.”

It is respectfully submitted that the Benchmarking studies of four power plants namely Chilla, Pathari, Mohhamadpur and Khatima in comparison to Tanakpur power plant of NHPC were conducted and were submitted to the Hon'ble Commission vide its letter no. 2197/MD/UJVNL/U-6 dated 30/06/11.

It is further respectfully submitted that NHPC and SJVNL were requested vide letter no. 2637 & 2636/ MD/UJVNL/U-6 dated 6/08/11 to provide benchmarking study report of their hydro plants and to provide key parameters of their Hydro Plants enabling petitioner to conduct such studies on the same lines and with respect to the key parameters. Copy of said letters is placed at **Annexure-III** enclosed.

In spite of persuasion and follow up no response has been received till date. The matter is further being pursued.

6.1.2 RMU Schemes

“The Commission in its Tariff Order dated October 21, 2009 with the intention of improving the generation capacities of these generating stations, directed the Petitioner as below:

The Commission, therefore, directs the Petitioner to make comprehensive RMU schemes for efficiency improvement and life extension of these plants and submit the DPRs for the same to the Commission within a period of six months giving road map for implementation of these schemes.

.....The Commission expects that the RMU measures proposed by the UJVNL would help it in achieving additional generation which would not only incentivize the Petitioner but also the consumers of the State in providing cheaper electricity. The costs of RMU in Dhakrani, Kulhal, Ramganga, Chilla, Khatima, Pathri, Mohammadpur and Galogi seem to be on a higher side. The Commission directs UJVNL to exercise caution while incurring the expenditure as any expenditure which does not pass the test of prudence will not be allowed by the Commission in future tariffs. Further, UJVNL is also directed to ensure timely completion of thermo works so that the benefit of the same is available on time. Further, the Commission also directs UJVNL to submit report wherein the reasons for not achieving the generation equal to the design energy for MB-II should be provided along with the Action Plan to improve the generation of MB-II.”

It is respectfully submitted that DPRs of the proposed RMUs of the above referred power plants have already been submitted with the Hon'ble Commission for kind consideration. The status of proposed RMU schemes of Ramganga HEP is placed at **Annexure IV** enclosed.

It is further respectfully submitted that copy of report wherein the reasons for not achieving the generation equal to the design energy for MB-II is being submitted separately with the tariff petition of MB-II HEP.

6.1.3 Repairs and Maintenance Expenses

“The Commission re-iterates its direction to submit the independent audit of all the R&M expenses for the period from FY 2001-02 onwards to the Commission within 3 months from the date of this Order. “

It is respectfully submitted that audit report of Repair & Maintenance expenses for the period from FY 2001-02 to FY 2008-09 pertaining to 5 LHPs comprising Yamuna Valley are being submitted in the current filing with the respective petition. The said reports pertaining to 4 LHPs comprising ganga valley are under finalization and shall be submitted shortly.

6.2.2 Return on Equity

“The Commission again directs the Petitioner to approach the State Government for early finalization of the transfer scheme and to provide them all necessary details/assistance in this regard. The Petitioner is directed to submit a report on steps taken by it and the status of transfer scheme within 3 months of the issuance of this Tariff Order. “

It is respectfully submitted that work is in progress for early finalization of the transfer scheme. The detailed current status in this regard is placed at **Annexure V** enclosed.

6.3.1 Apportionment of Common/Indirect Expenses.

“The Commission, accordingly, directs the Petitioner to examine the practices being followed in similar utilities in other States as well as Centre Sector utilities like NTPC, NHPC, etc. and submit it a report for the consideration of the Commission within 6 months from issuance of this Order. “

It is respectfully submitted that NHPC and SJVNL were requested vide letter no. 2637 & 2636/ MD/UJVNL/U-6 dated 6/08/11 to

communicate the practice followed by NHPC/SJVNL of allocating indirect expenses at various power stations. Copy of said letters is placed at **Annexure- III** enclosed. In spite of persuasion and follow up no response has been received till date. The matter is further being pursued.

6.3.2 Utilization of Expenses approved by the Commission

“The Commission directs UJVNL to prepare an annual budget for FY 2011-12 for each and every plant and submit the same to the Commission within one month of the issuance of this Order.”

It is respectfully submitted that copy of Annual Budget has already been submitted to Hon'ble Commission vide letter no. 96/DGM(comm.)/UJVNL dated 01/06/11.

6.3.3 Colony Consumption

“The commission observed that the data submitted for colony consumption was erroneous and therefore, the prudence check cannot be done on the basis of this data.

Further, it was also evident that the auxiliary consumption and transformation losses incurred on the stations were excessively high when compared to the norms specified in the Regulations. For instance in Dhakrani the auxiliary consumption is 1.49% and transformation losses is 12.17% against the norm of 0.2% and 0.5% respectively. This indicates that either the data collected is incorrect or there is some problem in the equipments installed in the stations which require immediate attention.

Therefore, the Commission directs the Petitioner to reconcile the data and submit a report on the same to the Commission within 3 months of the issuance of this Order along with the corrective steps to be taken in this regard. “

It is respectfully submitted that aforesaid data has been reconciled and such reconciled data has already been submitted to Hon'ble Commission vide letter no. 2191/MD/UJVNL/U-6 dated 30/06/11

6.3.4 Cost of Consumption of the employees of UJVNL, residing outside the colonies

“The Commission directs UJVNL to remit this additional amount allowed by it to UPCL as it is in lieu of electricity supplied by UPCL to UJVNL’s employees residing outside the colonies. The Commission, further directs UJVNL to submit the details of total amount collected from its employees from 01.04.2007 to 31.03.2011 alongwith details of amount remitted to UPCL”

It is respectfully submitted that details of Electricity charges and Electricity duty remitted to UPCL is placed at **Annexure- VI** enclosed.

6.3.5 Income from electricity distribution to Sundry Consumers

“The distribution of electricity is the function of a distribution licensee. Since, sale of power to other consumer is not permissible to a generating company under the Act, the Commission directs the Petitioner as well as UPCL to resolve this issue amongst them and report compliance to the Commission within 6 months of the date of this Order. The Commission further directs the Petitioner to transfer the net revenue realized upto 2010-11 after deducting its costs to UPCL as revenue earned from sale of power to sundry consumers is legally not allowed to it in absence of proper licence for the same.

Further, the Commission directs the Petitioner that the electricity supplied by UJVNL to its employees staying in the colonies should also be metered and recorded separately and the same cannot be considered as auxiliary consumption. The Commission further directs the UJVNL to submit the consumption data of all the employees residing in colonies and outside based on meter readings along with the next Tariff Petition.”

In this regard it is respectfully submitted that UJVNL Ltd has approached UPCL to take over the distribution of other consumers. Copies of the correspondence exchanged in this

regard are placed at **Annexure-VII enclosed**. The matter shall further be pursued with UPCL.

It is further respectfully submitted that the consumption data of the employees residing in the colonies shall be submitted separately. However, as regards consumption data pertaining to employees residing outside the colonies it is to submit that meter in such cases are installed by UPCL. Hence if deemed appropriate, suitable directives may be given to UPCL in this regard.

Capacity Charges, Capacity Index Incentive and Deemed Generation

As regards the matter of applicability and payment of capacity charges as well as the methodology for computing the said charges, the Hon'ble Commission has observed/directed as follows in Para 4.10 (page-45) of the Tariff order:-

"The Petitioner is advised to take up the matter urgently with UPCL and SLDC in accordance with the Commission's directions given in the meeting of the Coordination Forum and settle the same amicably. It should be noted that the ARR & Tariff determination process is an independent exercise and the same should not be treated as a dispute settlement mechanism. If any dispute exists between the generating company and the distribution licensee, either of the parties can approach the Commission to adjudicate upon the dispute between them under Section 86(1)(f) of the Act. The Petitioner is advised to take note of the Commission's approach, reproduced above and adopted in the previous Order and proceed to resolve the matter cordially".

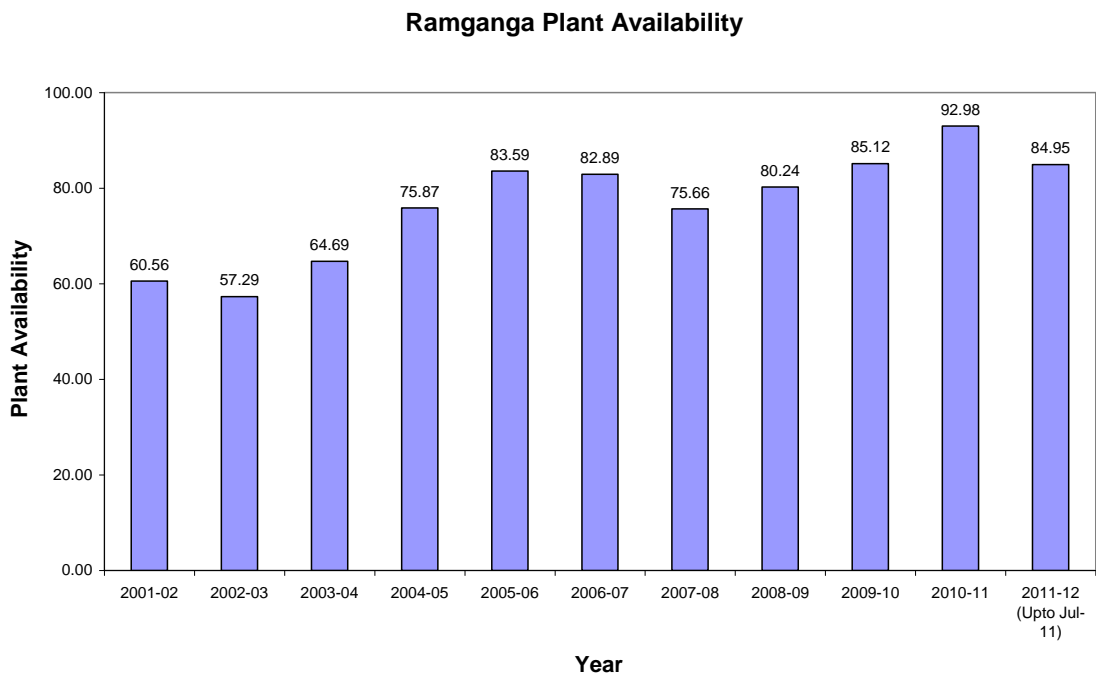
It is respectfully submitted that the matter of applicability & pay ability of Capacity Charges as well as the methodology for computing the said charges, Capacity Index Incentive and Deemed Generation Charges have been a matter of dispute between UJVNL & UPCL in the past. Even on clarification by the Hon'ble Commission vide letter No- 724/UERC/Misc.-ADD N0-42/2005 dated 20.1.06 UPCL continues to with hold payment towards the said charges billed by UJVNL.

In accordance to the directives of the Hon'ble Commission meetings of the Group constituted in this regard were held, deliberations whereof were informed to the Hon'ble Commission from time to time. Minutes of meeting of the constituted group dated 6.2.2010 alongwith the correspondence in this regard is enclosed herewith at **Annexure – VIII enclosed** for kind reference.

It is respectfully prayed that suitable directions, as the Hon'ble Commission deems appropriate, on the subject charges may kindly be issued in this regard so as to avoid any anomaly, dispute or ambiguity at a later date between UJVNL & UPCL.

PERFORMANCE OF THE PLANT

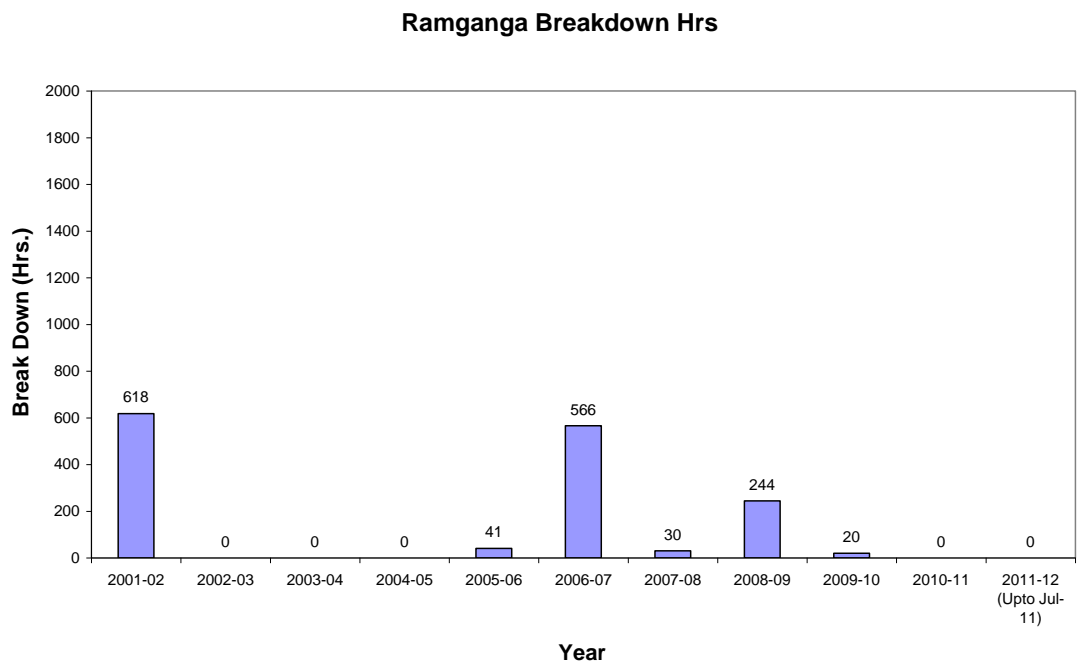
13) The efforts for improving upkeep of its assets has helped UJVNL offset much of adversity in the hydrology experienced. The fact that the machines of Ramganga Power house are very old and required capital maintenance, the improvement in plant availability for Ramganga HEP over the years is shown graphically below:



14) The plant availability has been calculated as the total number of hours for which the plant has either generated or has been available for generation as a percentage of the overall hours in the year. The

Nigam is carrying out extensive maintenance activities on the old plants to ensure safety as well as enhanced operating life of the projects. It also needs mention that as far as possible the maintenance activities are conducted in the lean months (typically November to April) and also during the hours of the day when load is low to ensure minimum loss of generation during the system peak periods.

15) Another indicator of the performance of the Plant is the annual breakdown (unplanned outage) hours of the plant. The trend in average annual breakdown hours is shown in the following graph:



Breakdown hours has a decreasing trend since the year 2006-07 except for the year 2008-09 thereby, resulting in enhanced plant availability.

In the year 2010-11 and 2011-12 (upto July, 2011), there has not been any breakdown.

Availability of Ramganga Power Station has consistently been above 80% since the year 2009.

16) **Norms of Operation**

The norms specified by the Hon'ble Commission as applicable for the Ramganga power station are as follows:

(i) Normative capacity index

17)Based on the norms for storage hydro stations, the normative capacity index for the station is 85%. The same has been adopted by the petitioner. Hence, no deviation is sought on this account from the norms as determined by the Hon'ble Commission.

(ii) Auxiliary Energy Consumption

18)The Petitioner has assumed transformation losses and auxiliary consumption at the normative levels specified by the Hon'ble Commission through the regulations and in the earlier tariff order.

19)It is respectfully submitted that in accordance to the above, Auxiliary Consumption and Transformation Losses have been computed on the norms prescribed by the Hon'ble Commission as enumerated below:

Station Particulars	Norm	Quantum (MU)
Type of Station		
a) Surface	No	--
b) Underground	Yes	--
Type of excitation		
a) Rotating exciters on generator	No	--
b) Static excitation	Yes	--
Auxiliary Consumption (As % of Total Generation)	0.2%	0.62
Transformation losses (As % of Total Generation)	0.5%	1.56

Capital Costs

20)It is respectfully submitted that there has been limited transfer of historical data from UPJVNL to UJVNL. Despite the Petitioner's repeated follow-up, complete technical details are yet to be received. Certain essential documents such as the Detailed Project Reports, CEA clearances or Project Completion Reports have also not been provided. UJVNL is therefore not in a position to provide details regarding the break-up of original cost of fixed assets and those approved by a competent authority on COD.

21) In spite of all efforts Transfer Scheme between UPJVNL & UJVNL is still not finalized. This matter has also been referred to Gol. In March 2003 UJVNL was able to derive a “provisional Balance Sheet”, on the basis of accounts and information received from UPJVNL. Plant-wise cost details were also not available from UPJVNL. The current status in this regard is enclosed herewith as submitted in Para 12 above.

22) GoU had notified the provisional transfer scheme vide its notification dated 7/03/08. The value of the Gross Fixed Assets (GFA) notified by the GoU and approved by the Hon’ble Commission in its order dated 18.03.08 is tabulated below:

(Rs. In Crore)

Plant	Amount
Dhakrani	12.40
Dhalipur	20.37
Chibro	87.89
Khodri	73.97
Kulhal	17.51
Ramganga	50.02
Chilla	124.89
Maneri Bhali-I	109.72
Khatima	7.19
Total	503.96

23) The Hon’ble Commission has provisionally considered the amount of Rs. 2.21 Crore paid by Government attributable to MB-I HEP in compliance to the Hon’ble High Court order dated 14.05.07 for additional capitalization on the date of commissioning of MB-I HEP. The value of opening GFA thus considered by Hon’ble commission in its tariff order dated 05.04.10 is tabulated below:

(Rs. In Crore)

Plant	Amount
Dhakrani	12.40
Dhalipur	20.37
Chibro	87.89
Ramganga	73.97
Kulhal	17.51
Ramganga	50.02
Chilla	124.89
Maneri Bhali-I	111.93
Khatima	7.19
Total	506.17

24) It is respectfully submitted that in view of the facts stated above the value of opening GFA of Rs. 506.17 Crores determined by the Hon'ble Commission for 9 LHPs which are transferred to UJVNL by UPJVNL is acceptable to the petitioner provisionally pending finalisation and notification of the Transfer Scheme.

25) Accordingly, the value of opening GFA transferred to UJVNL for Ramganga Power House amounting to Rs. 50.02 Crores as determined by the Hon'ble Commission in table 5.2.1 of its order dated 05.04.10 is acceptable to the Petitioner provisionally pending finalisation and notification of the Transfer Scheme.

ADDITIONAL CAPITALISATION

26) It is respectfully submitted that the item-wise addition in GFA of Ramganga Power House from FY 2008-09 to FY 2010-11 on actual basis is as follows:

(Rs. in Crores)

Additional Capitalisation	FY 2008-09	FY 2009-10	FY 2010-11
Land	0.00	0.00	0.00
Building	0.00	0.04	0.01
Major Civil Works	0.00	0.00	0.00
Plant & Machinery	0.10	0.01	0.00
Vehicles	0.00	0.03	0.03
Furniture & Fixtures	0.09	0.04	0.08
Office Equipments & Others	0.29	0.13	0.09
Total	0.48	0.25	0.218

27) Aforesaid detail of additional capitalisation are based on annual accounts of the corporation, the status of which is as follows:-

- **FY 2008-09:** The Audited Balance Sheet for the FY 2008-09 is placed at **Annexure -IX** for ready reference.
- **FY 2009-10:** The Audited Balance Sheet for the FY 2009-10 is placed at **Annexure -X** for ready reference.
- **FY 2010-11:** The provisional Balance Sheet for the FY 2010-11 is placed at **Annexure -XI** for ready reference.

28) Addition in GFA of Ramganga Power House for FY 2011-12 (from 1.04.11 to 30.09.11) based on the provisional accounts is under compilation and shall be submitted shortly.

29) It is respectfully submitted further that the accounts are maintained centrally for the various HEPs. In certain instances one - to - one correlation of the accounting divisions is possible with individual stations. However, for others, some form of apportionment is necessary for allocating certain expenses that are incurred by accounting units that serves more than one station.

In view of the above, the additional capital expenses incurred by such accounting divisions serving more than one station have been allocated as per the procedure followed in earlier filings and considered by the Hon'ble Commission detailed below:-

Head Office/ Corporate Office: 80% of the additional capital expenses have been apportioned on 9 LHPs which further have been allocated to each LHP on the basis of the installed capacity.

General Manager Office/ DGM/ Civil Division: allocated on LHPs within the control of the concerned GM/ DGM which further has been allocated to each LHP on the basis of the installed capacity.

The detailed working of such allocation of capital expenditure for the FY 2008-09 to 2010-11 is placed at **Annexure-XII** enclosed.

30) It is respectfully submitted that in order to ensure efficiency and safety as well as ensuring continuous operation of the plants the additional capitalization was required to be incurred which may kindly be considered and allowed by the Hon'ble commission. Kind attention is invited to Regulation 16 (2) of the Hon'ble Commission's Terms and Conditions of Tariff Regulations explicitly permit additional works/service, which may become necessary for efficient and successful operation of the plant.

31) It is respectfully submitted that Hon'ble Commission has accepted only the actual capital cost incurred / accrued in its tariff order dated 05.04.10. Hence no provisional additional capitalisation has been claimed for the period from 1.10.2011 to 31.3.2012 and for the FY 2012-13.

32) **The Petitioner respectfully prays that the additional capital expenditure incurred/ accrued as detailed above may kindly be admitted.**

C. Debt – Equity Ratio

Return on Equity

33) Return on Equity has been computed assuming a normative debt equity ratio of 70:30 in accordance to the regulations of the Hon'ble Commission.

34) Based on the Regulations of the Hon'ble Commission 14% Return on Equity has been adopted for Ramganga HEP. The resultant returns are as follows:

(Rs. in Crores)

Component	FY 2008-09	FY 2009-10	FY 2012-13
Equity	15.88	15.96	15.96
Return on equity	2.22	2.23	2.23

Income Tax

35) It is respectfully submitted that in accordance to Regulation 8 of UERC Regulations, 2004 (Terms and Conditions for Determination of Hydro Generation Tariff), a tax escrow account is required to be maintained by the beneficiary from which the generation company is authorised to withdraw the amount for settling the tax liability.

In spite of repeated requests, UPCL has not maintained any Tax Escrow Account. UJVNL has already raised the bills on account of Income Tax paid by UJVNL remittances there against is yet pending from UPCL.

36) The income Tax liability on the ROE computed in Para 34 above at the rate of 33.99% would amount as follows: -

(Rs. in Crores)

Component	FY 2008-09	FY 2009-10	FY 2012-13
Return on equity	2.22	2.23	2.23
Income Tax Liability for the Year	0.56	0.57	0.57

37) It is respectfully submitted that copy of Income tax Return filed with The Income Tax Department for the Assessment year 2011-12 (Financial Year 2010-11) is placed on **Annexure-XIII** enclosed.

38) **The Hon'ble Commission is humbly requested to consider the Income Tax Liability while determining the Tariff for FY 2012-13.**

Annual Fixed Charges

The projections of the Petitioner on each element of the annual fixed charges are discussed below:

(i) Depreciation

39) It is submitted that the depreciation for the FY 2012-13 has been computed based on the rates as considered by the Hon'ble Commission in its tariff order dated 10.05.11. In the said tariff order the rate of depreciation on opening GFA has been considered at an average rate of 2.38% and 2.66% on additional capitalization.

Since the sub-classification of asset category is not available with the petitioner, hence the rate of depreciation as considered in tariff order dated 10.05.11 have been considered for computation of depreciation for the FY 2008-09, FY 2009-10 and FY 2012-13.

40) It is respectfully submitted that the depreciation for each year on additional capitalisation for which the tariff is being filed is provided in the annexed forms as detailed below. No advance against depreciation is necessary and hence has not been claimed.

(Rs. in Crores)

Year	Depreciation on Additional Capitalisation
2008-09	0.07
2009-10	0.08
2012-13	0.08

41) **It is respectfully prayed that the depreciation on additional capitalisation determined in accordance to the Regulation for the FY 2008-09, FY 2009-10 and FY 2012-13 may kindly be considered and allowed by the Hon'ble Commission.**

(ii) Operations & Maintenance expenses

42) It is respectfully submitted that the Hon'ble Commission had allowed Rs. 19.08 Crores on account of O & M expenses for the financial year 2011-12 for Ramganga HEP in its order dated 10.05.11.

It is respectfully submitted that the Hon'ble Commission in Para 5.3 of the tariff order 10.05.11 had considered an average of escalation factor of 6.29% for the FY 2011-12.

43) It is respectfully submitted that the O&M expenses for the FY 2012-13 has been computed by escalating the O& M expensed of FY 2010-11 (Rs.18.84 crores) considering the average escalation of 6.29% as allowed by the Hon'ble Commission in accordance to the Regulations 2008 (terms & Conditions for Escalation Factor).

Hence the O & M expenses amounting to Rs. 21.28 Cores for the FY 2012-13 may kindly be considered and allowed.

It is respectfully submitted that O & M expenses for the FY 2008-09 and FY 2009-10 have been considered as per the audited accounts wherein arrear of VI pay commission has been computed on accrual basis. However impact of arrear of VIth pay commission has been considered on cash basis by Hon'ble Commission in its tariff order dated 10.05.11. Hence the O&M expenses for F.Y 2008-09 and 2009-10 have been computed as follows:-

(Rs. Corers)

Particulars	FY 2008-09	FY 2009-10
O & M Expenses as per B/S	17.16	18.50
Less: VIth Commission Arrear as per B/S	3.29	
Add: VIth Commission Arrear on cash basis		2.90
O & M Expenses claimed	13.87	21.40

44) It is respectfully submitted that in addition to above, the following expenses as approved by the Hon'ble Commission in its earlier tariff order dated 10.05.11 may kindly be considered and allowed while determining the O& M expenses:

- a. **Regulatory Fee:** As the Tariff filling fee for petition of each Generating station is Rs 10 lacs, the commission may kindly consider Rs. 10 lacs on account of the said fee for FY 2012-13;
- b. **Insurance:** The actual insurance expenses incurred during the FY 2011-12 are Rs. 4.69 Crores. Petitioner has assumed that similar policy would be purchased in the FY 2012-13. Accordingly, the amount allocable to Ramganga Power House on account of insurance of Rs 0.50 Crores has been considered for FY 2012-13.

The details of insurance policies purchased are placed at **Annexure –XIV** enclosed.

- c. **Cost of Concessional Supplies of Electricity to Employees residing in Colonies:**

It is respectfully submitted that the cost of consumption in colonies/dam/barrages etc was provided in Para 5.3.5 in the tariff order dated 10.5.2011.

The cost of colony consumption pertaining to 9 LHPs for the F.Y 2008-09 has been computed on similar lines as detailed below:-

Name of the Generating Station	Colony Consumption approved for 2008-09 (MU)	Primary Energy rate for FY 2008-09 as per order dated 21.10.09 (p/unit)	Cost of colony consumption for FY 2008-09 (Rs. crore)
DHAKRANI	13.550	40.54	0.04
DHALIPUR	0.540	48.96	0.03
KULHAL	0.000	40.54	0.31
CHIBRO	0.000	36.59	0.16
KHODRI	0.000	50.72	0.04
CHILLA	2.780	38.02	0.11
KHATIMA	1.860	37.41	0.07
MB-I	2.700	64.10	0.17
RAMGANGA	7.840	50.77	0.40
Total	29.270		1.32

Detailed energy account for the FY 2008-09 is placed at **Annexure –XV** enclosed.

Similarly, the cost of the Colony Consumption for 9 LHPs for 2009-10 has also been computed as detailed below :-

Name of the Generating Station	Colony Consumption approved for 2008-09 (MU)	Primary Energy rate for FY 2009-10 as per order dated 21.10.09(p/unit)	Cost of colony consumption for Fy 2009-10 (Rs. crore)
DHAKRANI	14.799	58.37	0.07
DHALIPUR	0.550	71.56	0.04
KULHAL	0.000	58.14	0.49
CHIBRO	0.000	41.65	0.24
KHODRI	0.000	63.28	0.06
CHILLA	3.010	47.01	0.14
KHATIMA	1.539	54.44	0.08
MB-I	2.460	86.71	0.21
RAMGANGA	8.009	53.28	0.43
Total	30.367		1.77

Detailed energy account for the FY 2009-10 is placed at **Annexure -XVI** enclosed.

It is respectfully submitted that Hon'ble Commission may kindly consider and allow the cost of colony consumption for Ramganga Power House of Rs 0.56 crores as determined for F.Y 2012-13 provisionally to be subsequently true up on availability of actual data.

The cost of the Colony Consumption for 9 LHPs for 2012-13 has been provisionally considered as approved by Hon'ble commission for FY 2011-12 in its tariff order dated 10.05.11.

- d. **Cost of Concessional Supplies to Past & Present Employees of UJVNL residing in areas out side the Colonies:** The Hon'ble Commission in its earlier Tariff Order dated 10.05.11 had approved Rs. 0.40 Crores on account of the cost towards such supplies. The said cost was determined by the Hon'ble Commission on the basis of the prevalent demand tariff rate of Rs. 2.35 per unit in accordance with the rate under category RTS-1 and with fixed charges of Rs. 20/connection/month.

In the view of the above, it is respectfully submitted that the additional cost of Rs. 0.40 Crores may kindly be considered & approved for the Financial Year 2012-13 also.

Based on the proportion of the installed capacity, amount allocable to Ramganga Generating Station towards additional cost of such supplies works out to Rs 0.08 Crores for the Financial Year 2012-13.

It is respectfully submitted that the cost of concessional supply to Past & Present Employees of UJVNL residing in areas out side the Colonies for the FY 2008-09 and FY 2009-10 may kindly be considered & approved as per the tariff order 21.10.09 i.e, Rs. 0.34 crores.

Based on the proportion of the installed capacity, amount allocable to Ramganga Generating Station towards additional cost of such supplies works out to Rs 0.07 Crores for the Financial Year 2008-09 and FY 2009-10.

e. Impact of arrear of VIth Pay Commission:

In the tariff order dated 10.05.11, Hon'ble commission has allowed the payment of arrear of VIth pay commission on cash basis. Hence, petitioner has considered the financial impact of arrear of VIth pay commission in FY 2009-10 on cash basis. The arrear of VIth pay commission accrued in FY 2008-09 has not been considered in truing for FY 2008-09.

45) In the view of all above, the O & M expenses for the FY 2008-09, FY 2009-10 and FY 2012-13 submitted for kind consideration of the Hon'ble Commission are as detailed below:

(Rs. in Crores)

PARTICULARS	FY 2008-09	FY 2009-10	FY 2012- 13
O & M expenses	13.87	21.40	21.284
Colony Consumption	0.40	0.43	0.56
Regulatory Expenses			0.10
Insurance			0.50
Cost of Concessional supplies to Past & Present employees of UJVNL	0.07	0.07	0.084
Total	14.34	21.90	22.53

46) It is respectfully prayed that the Hon'ble Commission may kindly consider and allow the aforesaid O & M expenses.

(iii) Interest on Working Capital

47) In line with the Tariff Guidelines issued by the Hon'ble Commission, UJVNL has projected the working capital for each of the plants based on normative levels as per the following:

- O&M expenses at one month of projected expenses;
- Maintenance spares of 1% of project cost, along with a 6.00% annual escalation in value;

(The opening cost of GFA of Rs. 50.02 Crores and escalation factor of 6.00% has been considered as approved by the Hon'ble Commission in its earlier tariff order dated 10.05.11)

- Receivables at two months of revenue from sale of electricity.

Cost of working capital financing has been considered at 13.25% % per annum on the basis of the current PLR of State Bank of India as on 01.04.11.

It is respectfully submitted that in terms of the above the interest on working capital works out as follows:

(Rs. in Crores)

Component	FY 2008-09	FY 2009-10	FY 2012-13
Working Capital	4.69	6.40	7.27
Interest on working Capital	0.48	0.78	0.96

48) It is respectfully submitted that the Hon'ble Commission may kindly consider and allow the aforesaid interest on working capital.

(vi) Interest on loan capital

49) It is submitted that in terms of the directives of the Hon'ble Commission interest on normative debt has been considered on the value of additional capitalisation only.

According to the interest on normative debt has been considered as follows:-

(Rs. in Crores)

Component	Fy 2008-09	Fy 2009-10	FY 2012-13
Interest on Normative Debt	0.22	0.22	0.1805

50) It is respectfully submitted that the Hon'ble Commission may kindly consider and allow the aforesaid interest on Normative Loan.

F. Design Energy and Primary Energy Charges

51) It is respectfully submitted that the design energy and saleable energy of 311.00 MU and 308.82 MU respectively determined by the Hon'ble Commission for Ramganga P/H in Para 5.1.1 of its order-dated 10.05.11 is acceptable to the petitioner.

52) It is humbly submitted that any part of the Annual Fixed charges not recovered through the primary energy charge may kindly be allowed to be recouped through the capacity charges in terms of the Regulations. Also as per the regulations of the Hon'ble Commission the secondary energy charges may kindly be allowed to be payable at the same rate as primary energy charges. The deemed generation charges and the incentives may also be allowed to be applicable and payable as per the regulations. The referred charges have not been projected in the tariff filings due to the uncertain nature of such charges. The Hon'ble Commission is humbly requested to kindly state explicitly in its orders the applicability of such charges namely, Capacity Charges, Deemed generation Charges and Capacity Index Incentive for the convenience of the beneficiaries of the generating station.

53) The total Gross Annual Fixed Charges for Ramganga plant for each of the tariff years is provided in the table below:

Particulars	Unit	FY 2008-09	FY 2009-10	FY 2012-13
Interest on Loan Capital	(Rs. Crores)	0.22	0.22	0.1805
Depreciation	(Rs. Crores)	0.07	0.08	0.08
O&M Expenses	(Rs. Crores)	14.34	21.90	22.53
Interest on Working Capital	(Rs. Crores)	0.48	0.78	0.96
Return on Equity	(Rs. Crores)	2.22	2.23	2.23
Annual Fixed Charges	(Rs. Crores)	17.34	25.22	25.98
Less: other non tariff income	(Rs. Crores)	1.37	3.08	0.00
Net Annual Fixed Charges	(Rs. Crores)	15.97	22.14	25.98
Total Saleable Units*	MU	308.82	308.82	308.82
Per Unit Tariff	P/ kWh	51.71	71.68	84.12

* Design energy less auxiliary consumption and transformation losses

It may kindly be noted that other non tariff income has been deducted from gross AFC details of which are placed at **Annexure-XVII** enclosed.

54) **It is respectfully submitted that the above stated AFC and the corresponding tariff may kindly be considered and allowed for energy sales to UPCL.**

55) This petition includes the following documents:

- i) **PART I** : Main Petition and Detailed tariff formats;
- ii) **PART II** : Supporting documents and Annexure mentioned in the petition along with copy of the provisional trial balances in evidence of expenses incurred in the current financial year placed at **Annexure-XVIII** enclosed;
- iii) Soft Copy of the petition.

D. Cause of Action

56) Under Section 62 and 86 of the Electricity Act, 2003 and as per section 4(1) of the UERC Tariff Regulations, UJVN Ltd. is required to obtain approval for its tariff from the Hon'ble Commission based on provisions of the said Regulations.

E. Ground of Relief

57) The Hon'ble Commission vide notification dated 26/06/11 has extended the validity period of Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Hydro

Generation Tariff) Regulations, 2004 up to 30/11/11. Hence the present filing is in accordance to said Regulations.

F. Detail of Remedies Exhausted

58)Not Applicable

G. Matter Not Previously Filed or Pending With any Court

59)The petitioner (s) further declares that he has not previously filed any petition or writ petition or suit regarding the matter in respect of which this petition has been made, before the Commission, or any other court or any other authority, nor any such writ petition or suit is pending before any of them.

H. Relief Sought

In view of the facts mentioned above, the Petitioner respectfully prays for the relief as stated below:

60)The Petitioner respectfully requests that the orders of the Hon'ble Commission may adequately consider the positions expounded in the present petition for approval of Annual Fixed Charges for the FY 2012-13 and truing up for the FY 2008-09 & FY 2009-10. This Petition incorporates substantially improved information as compared to the earlier tariff petition. However the Petitioner is making continuous efforts to refine the information system further which has started generating results. The same may be suitably considered for the orders of the Hon'ble Commission.

61)The financial projections have been developed based on the Petitioner's assessment, trend available and estimates available for the FY 2012-13. There could be differences between the projections and the actual performance of the Petitioner. The Hon'ble Commission may condone the same. The Petitioner also requests the Hon'ble Commission to allow to make revisions to the Petition and submit additional relevant information that may emerge or become available subsequent to this filing.

62)The unresolved issue pertaining to capacity charges, capacity index, Incentive & Deemed generation charges with Uttarakhand Power Corporation Limited has been highlighted in this petition by the

petitioner. It is most respectfully submitted that Hon'ble commission may kindly issue necessary directive in this regard.

63) While the tariff regulations of the Hon'ble Commission permit the generating companies to seek tariffs for a period up to five years, in view of the Regulations, 2004 being in force up to the 30/11/11 the Petitioner is seeking tariffs only for the year FY 2011-12 and FY 2012-13. The Petitioner will submit fresh tariff application for the subsequent year(s) at an appropriate time.

64) In view of the foregoing, the Petitioner respectfully prays that the Hon'ble Commission may:

- (i) Accept and approve the accompanying projected financial information of the Petitioner for determination of generation tariff for the FY 2012-13 and true up for the F.Y 2008-09 & 2009-10 prepared in accordance with Tariff Regulations established by the Hon'ble Commission and directives of the Hon'ble Commission contained in the earlier tariff orders.
 - (ii) Grant suitable opportunity to the Petitioner within a reasonable time frame to file additional material information that may be subsequently available;
 - (iii) Grant the waivers prayed with respect to such filing requirements as the Petitioner is unable to comply with at this stage of filing;
 - (iv) Treat the filing as complete in view of substantial compliance and also the specific humble requests for waivers with justification placed on record;
 - (v) Condone any inadvertent omissions/ errors/ shortcomings and permit the Petitioner to add/ change/ modify/ alter this filing and make further submissions as may be required at a future date;
 - (vi) Consider and approve the Petitioner's application including all requested regulatory treatments in the filing;
 - (vii) Consider the submissions of Petitioner that could be at variance with the orders and regulations of the Hon'ble Commission, but are nevertheless fully justified from a practical viewpoint;
 - (viii) Pass such orders as the Hon'ble Commission may deem fit and proper keeping in mind the facts and circumstances of the case.
-

I. Interim Order, in any, prayed for

65) Not Applicable

J. Details of Index

66) The list of enclosures is detailed below: -

- i) **Annexure I:** - Copy of Government of India (GOI) order dated November 5, 2001
 - ii) **Annexure II:-** Copy of GoU Notification dated 07/03/08
 - iii) **Annexure- III:** Copy of correspondence with NHPC and SJVNL in respect of benchmarking.
 - iv) **Annexure-IV:** Status of proposed RMU scheme of Ramganga HEP.
 - v) **Annexure V:** - Detailed current status of process for early finalisation of the transfer scheme.
 - vi) **Annexure VI:** -. Details of EC/ED remitted to UPCL
 - vii) **Annexure VII:-** Copy of correspondence with UPCL for take over the distribution of other consumer.
 - viii) **Annexure-VIII:-** Copy of correspondence with UPCL in respect of CC, CI and Deemed Generation.
 - ix) **Annexure-IX:-** Copy of audited balance sheet for the F.Y 2008-09.
 - x) **Annexure-X:-** Copy of audited balance sheet for the F.Y 2009-10.
 - xi) **Annexure-XI:-** Copy of provisional balance sheet for the F.Y 2010--11.
-

- xii) **Annexure-XII:-** Copy of working of allocation of capital expenditure from F.Y 2008-09 to 2010-11.
- xiii) **Annexure-XIII:-** Copy of income tax return for the assessment year 2011-12.
- xiv) **Annexure-XIV:-** Detail of Insurance policies purchased on F.Y 2011-12.
- xv) **Annexure-XV:-** Detail of energy account for F.Y 2008-09.
- xvi) **Annexure-XVI:-** Detail of energy account for the F.Y 2009-10.
- xvii) **Annexure-XVII:-**Detail of other non tariff income for F.Y 2008-09, 2009-10 and 2010-11.
- xviii) **Annexure-XVIII:-** Copy of the provisional trail balances in evidence of expenses incurred in the current financial year placed at enclosed;

K. Particulars of Fee Remitted

67)The details of the fee remitted are as follows:

Bank Draft No
In favour of- Uttarakhand Electricity Regulatory Commission
Drawn at - PNB - Yamuna Colony
Dated -

L. List Of Enclosures

68)Tariff Determination Forms

69)Supporting documents and Annexure mentioned in the petition;

- i) **Annexure I:-** Copy of Government of India (GOI) order dated November 5, 2001
 - ii) **Annexure II:-** Copy of GoU Notification dated 07/03/08
-

- iii) **Annexure- III:** Copy of correspondence with NHPC and SJVNL in respect of benchmarking.
 - iv) **Annexure-IV:** Status of proposed RMU scheme of Ramganga HEP.
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 - xi) **Annexure-XI:-** Copy of provisional balance sheet for the F.Y 2010--11.
 - xii) **Annexure-XII:-** Copy of working of allocation of capital expenditure from F.Y 2008-09 to 2010-11.
 - xiii) **Annexure-XIII:-** Copy of income tax return for the assessment year 2011-12.
 - xiv) **Annexure-XIV:-** Detail of Insurance policies purchased on F.Y 2011-12.
 - xv) **Annexure-XV:-** Detail of energy account for F.Y 2008-09.
 - xvi) **Annexure-XVI:-** Detail of energy account for the F.Y 2009-10.
 - xvii) **Annexure-XVII:-**Detail of other non tariff income for F.Y 2008-09, 2009-10 and 2010-11.
-

- xviii) **Annexure-XVIII:-** Copy of the provisional trail balances in evidence of expenses incurred in the current financial year placed at enclosed;

Dehradun
Dated:

UJVN Ltd.

Petitioner

Form 1: Calculation of Per Unit Rate

Name of the Power Station:

Ramganga

Sl.No	Particulars	Unit	Tariff Year (2008-09)	Tariff Year (2009-10)	Tariff Year (2012-13)
(1)	(2)	(3)	(5)		(5)
1	Gross Annual Fixed Charges (Form-3)	(Rs. Crore)	15.97	22.14	25.98
2	Saleable Energy (Form-2)	(MU)	308.82	308.82	308.82
3	Per unit Rate of Saleable Energy (1/2)	(Rs./unit)	0.5171	0.7168	0.8412

Form 2-1 : Computation of Saleable Energy & Capacity Index

Name of the Power Station:

Ramganga

Sl. No.	Description	Unit	Preceding 5 Years				Current Year (2011-12) (Projected)			Tariff Year (2012-13)
			Year 3	Year 4	Year 5	Year 6	Actual (April-Oct)	Projected	Total	
			2007-08	2008-09	2009-10	2010-11				
(1)	(2)	(3)	(6)	(7)	(8)	(9a)	(9b)	(9)=(9a)+(9b)	(10)	
1	Installed Capacity	(MW)	198.00	198.00	198.00	198.00	198.00	198.00	198.00	
2	Date of commercial operation									
	(a) Unit-1	(DD/MM/YY)	31.12.1975	31.12.1975	31.12.1975	31.12.1975	31.12.1975	31.12.1975	31.12.1975	
	(b) Unit-2	(DD/MM/YY)	03.11.1976	03.11.1976	03.11.1976	03.11.1976	03.11.1976	03.11.1976	03.11.1976	
	(c) Unit-3	(DD/MM/YY)	12.03.1977	12.03.1977	12.03.1977	12.03.1977	12.03.1977	12.03.1977	12.03.1977	
3	Type of Station									
	a) Surface	(Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	b) Underground	(Yes/No)	No	No	No	No	No	No	No	
4	Type of excitation									
	a) Rotating exciters on generator	(Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	b) Static excitation	(Yes/No)	No	No	No	No	No	No	No	
5	Design Energy as per TEC (Annual) ⁺⁺⁺	(MU)	311.00	311.00	311.00	311.00	65.00	246.00	311.00	
6	Actual Energy Generated	(MU)	279.06	325.48	174.29	325.62	167.92	196.00	363.92	
6(a)	Primary Energy (Actual Energy upto Design Energy)	(MU)	279.06	311.00	174.29	311.00	167.92	196.00	363.92	
6(b)	Secondary Energy (Energy above Design Energy)	(MU)	0.00	14.48	0.00	14.62	102.92	0.00	0.00	
7	Auxiliary Consumption*									
	(a) In % of Energy Generated	(%)	0.39%	0.41%	0.68%	0.32%	0.35%	0.20%	0.20%	
	(b) In MU	(MU)	1.10	1.34	1.19	1.05	0.59	0.39	0.73	
8	Transformation/ other lossess and consumption									
	(a) In % of Energy Generated	(%)	2.67%	3.74%	6.75%	3.89%	0.50%	0.50%	0.50%	
	(b) In MU	(MU)	7.46	12.18	11.76	12.65	0.84	0.98	1.82	
9	Actual Energy Sent Out	(MU)	270.50	311.96	161.33	311.91	158.94	194.63	361.37	
10	HP Share	(%)	0%	0%	0%	0%	0%	0.00	0.00	
11	Saleable Energy {(9)x[1-(10)]}	(MU)	270.50	311.96	161.33	311.91	158.94	194.63	361.37	
12	Saleable Primary Energy	(MU)	270.50	297.48	161.33	297.29	166.48	194.63	361.37	
13	Saleable Secondary Energy	(MU)	0.00	14.48	0.00	14.62	102.92	0.00	0.00	
14	Net Energy sent out		270.50	311.96	161.33	311.91	269.40	194.63	308.45	
15	Normative Capacity Index						85.00%			

(Petitioner)

Form 2-2 : Information on Energy Generated (MU)

Name of the Power Station: Ramganga

Sl.No.	Month	Design Energy							Current Year (2011-12) (Projected)			Tariff Year (2012-13)
			Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Actual (April-	Projected	Total	
			2005-06	2006-07	2007-08	2008-09	2009-10	2010-11				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9a)	(9b)	(9)=(9a)+(9b)	(10)	
1	April	311.00 (As per UERC)	20.85	25.76	18.41	67.70	17.32	17.60	28.99		28.99	30.00
2	May		40.89	30.47	18.50	44.94	31.83	4.07	19.77		19.77	20.00
3	June		10.99	11.86	10.54	2.24	40.64	4.82	47.37		47.37	10.00
4	July		0.00	0.40	0.00	0.00	6.31	0.00	0.00		0.00	0.00
5	August		0.00	0.00	0.00	0.00	0.00	0.00	37.39		37.39	0.00
6	September		0.00	0.00	0.00	0.00	0.00	0.00	32.40		32.40	0.00
7	October		0.89	1.77	0.02	2.19	2.01	16.05	2.00		2.00	5.00
8	November		14.10	1.76	6.57	1.60	0.19	12.12		13.00	13.00	12.00
9	December		48.13	31.57	29.31	38.72	23.09	30.39		54.00	54.00	50.00
10	January		72.54	29.79	68.40	70.33	26.15	89.89		43.00	43.00	40.00
11	February		66.39	13.95	78.41	64.65	6.92	65.01		38.00	38.00	35.00
12	March		58.51	6.83	48.90	33.12	19.82	85.67		48.00	48.00	45.00
13	Total			333.29	154.17	279.06	325.48	174.29	325.62	167.92	196.00	363.92

(Petitioner)

Form 2-3: Salient Features of Hydroelectric Project

Name of the Power Station:

Ramganga

1. Location	
State/Distt.	UTTRAKHAND , (PAURI GARHWAL)
River	RAMGANGA
2. Diversion Tunnel	
Size, shape	NA
Length	NA
3. Dam	
Type	Rock & earth fill
Maximum dam height	370.9416m. RL
4. Spillway	
Type	Inclined chute with hydraulic jump basin
Crest level of spillway	352.0 m.RL
5. Reservoir	
Full Reservoir Level (FRL)	365.3 m RL
Minimum Draw Down Level (MDDL)	323.0m RL
Live storage (MCM)	2195.5
6. Desilting Arrangement	
Type	NA
Number and Size	NA
Particle size to be removed(mm)	NA
7. Head Race Tunnel	
Size and type	ø 9.45m, Circular
Length	216.0 m
Design discharge(Cumecs)	235.6 Cumecs
8. Surge Shaft	
Type	0
Diameter	0
Height	0
9. Penstock/Pressure shafts	
Type	Underground , steel lined
Diameter & Length	7.925m Dia, 249.24m Length
10. Power House	
Type	Surface
Installed capacity (No of units x MW)	3 x 66
Peaking capacity during lean period (MW)	30
Type of turbine	Vertical shaft, Francis
Rated Head(M)	97.25m
Rated Discharge(Cumecs)	78.5 Cumecs
11. Tail Race Tunnel	
Diameter, shape	N.A.
Length	Approx. 500m
Minimum tail water level	259.550m RL
12. Switchyard	
Type of Switch gear	0
No. of generator bays	3
No. of Bus coupler bays	1
No. of line bays	4

(Petitioner)

Form 3 : Calculation of Net Annual Fixed Charges (Rs. in Crore)

Name of the Power Station:

Sl.No.	Year ending March	Year					Preceding year 2008-09	Preceding year 2009-10	Tariff Year (2012-13)
		2005-06	2006-07	2007-08	2007-08				
(1)	(2)	(3)		(4)	(10a)*	(10b)**			(9)
1	Interest on Loan (As per Form 9)						0.22	0.22	0.1805
2	Depreciation (As per Form 5)						0.07	0.08	0.08
3	Advance Against Depreciation								
	(a) Loan repayment during year (As per Form 9)						0.00	0.00	0.00
	(b) 1/10th of Loan (As per Form 9)*						0.00	0.00	0.00
	(c) Amount Admissible under AAD [Minimum of (a) and (b)]						0.00	0.00	0.00
	(d) Advance Against Depreciation (AAD) [only if +ve]{3(c) -						0.00	0.00	0.00
4	Return on Equity								
	(a) Rate of Return on Equity						14%	14%	14%
	(b) Equity (As per Form 7, with the ceiling specified in Regulation 18)						15.88	15.96	15.96
	(c) Return on Equity (4a)*(4b)						2.22	2.23	2.23
5	O&M Expenses (As per Form 11-1)						14.34	21.90	22.53
6 (a)	Interest on Working Capital (As per Form 10)						0.48	0.78	0.96
6 (b)	Revenue from Secondary Energy Charges **						0.00	0.00	0.00
6 (c)	Incentive **						0.00	0.00	0.00
6 (d)	Allowable Tax***						0.00	0.00	0.00
7	Gross Annual Fixed Charges (1+2+3(d)+4(c)+5+6(a)+6(b)						17.34	25.22	25.98
8	Less: Other Income (Provide Details below)								
	(a) Component 1						1.37	3.08	
	(b) Component 2, etc.								
9	Net Annual Fixed Charges (8-9)						15.97	22.14	25.98

Not Available

(Petitioner)

Form 4-1: Statement of Gross Fixed Asset Base & Financing Plan (Amount in Rs Crore)

Name of the Power Station:

Ramganga

Year: 2001-02

Final Approved Cost as on Commercial Operations Date @

	Capital Expenditure ⁺	Date of commercial operation
(a) Unit-1	50.02	31.12.1975
(b) Unit-2		03.11.1976
(c) Unit-3		12.03.1977

Original Financing Plan (Unitwise)

Rupee Term Loan		
Debt 1	0	
Normative Debt	35.01	
Foreign Currency Loan		
Debt 1	NA	
Debt 2 *	NA	
Equity		
In Rupees	15.01	
In Foreign Currency	NA	

Particulars of Assets ⁺⁺	Balance at the beginning of the year	Additions during the year	Retirement of assets during the year	Balance at the end of the year
(1)	(2)	(3)	(4)	(5)
a) Land	Break Up not available	0.000	0.00	Break Up not available
b) Building		0.000	0.00	
c) Major Civil Works		0.000	0.00	
d) Plant & Machinery		0.000	0.00	
e) Vehicles		0.027	0.00	
f) Furniture and Fixtures		0.010	0.00	
g) Office Equipment & Other Items		0.015	0.00	
Total		50.02	0.0528	

Notes on data provided:

+ GFA of Rs 50.02 Crores (Opening GFA) as approved by the Hon'ble Commission in its Tariff Order dated 16.12.2004, 12.07.2006, 18.03.08 and 21.10.09

+++ Since component wise breakup of the opening GFA is not available, component wise break up at the end of the year could not be determined.

(Petitioner)

Form 4-1: Statement of Gross Fixed Asset Base & Financing Plan (Amount in Rs Crore)

Name of the Power Station:

Ramganga

Year: 2002-03

Particulars of Assets**	Balance at the beginning of the year	Additions during the year	Retirement of assets during the year	Balance at the end of the year
(1)	(2)	(3)	(4)	(5)
a) Land	Break Up not available	0.00	0.00	Break Up not available
b) Building		0.01	0.00	
c) Major Civil Works		0.00	0.00	
d) Plant & Machinery		0.00	0.00	
e) Vehicles		0.001	0.00	
f) Furniture and Fixtures		0.02	0.00	
g) Office Equipment & Other Items		0.0977	0.00	
Total	50.07	0.13	0.00	50.20

(Petitioner)

Form 4-1: Statement of Gross Fixed Asset Base & Financing Plan (Amount in Rs Crore)

Name of the Power Station:

Ramganga

Year: 2003-04

Particulars of Assets**	Balance at the beginning of the year	Additions during the year	Retirement of assets during the year	Balance at the end of the year
(1)	(2)	(3)	(4)	(5)
a) Land	Break Up not available	0.00	0.00	Break Up not available
b) Building		0.18	0.00	
c) Major Civil Works		0.00	0.00	
d) Plant & Machinery		0.05	0.00	
e) Vehicles		0.092	0.00	
f) Furniture and Fixtures		0.06	0.00	
g) Office Equipment & Other Items		0.1333	0.00	
Total	50.20	0.51	0.00	50.72

(Petitioner)

Form 4-2: Statement of Gross Fixed Asset Base & Financing Plan (Amount in Rs Crore)

Name of the Power Station:

Ramganga

Year: 2004-05

Particulars of Assets ⁺	Balance at the beginning of the year	Additions during the year already undertaken**	Retirement of assets during the year already undertaken	Balance at the end of the year
(1)	(2)	(3b)**	(4b)**	(5)
a) Land	Break Up not available	0.00	0.00	Break Up not available
b) Building		0.05	0.00	
c) Major Civil Works		0.00	0.00	
d) Plant & Machinery		0.26	0.00	
e) Vehicles		0.00	0.00	
f) Furniture and Fixtures		0.02	0.00	
g) Office Equipment & Others		0.07	0.00	
Total	50.72	0.40	0.00	51.12

(Petitioner)

Form 4-1: Statement of Gross Fixed Asset Base & Financing Plan (Amount in Rs Crore)

Name of the Power Station:

Ramganga

Year: 2005-06

Particulars of Assets ⁺⁺	Balance at the beginning of the year	Additions during the year	Retirement of assets during the year	Balance at the end of the year
(1)	(2)	(3)	(4)	(5)
a) Land	Break Up not available	0.00	0.00	Break Up not available
b) Building		0.00	0.00	
c) Major Civil Works		0.00	0.00	
d) Plant & Machinery		0.00	0.00	
e) Vehicles		0.17	0.00	
f) Furniture and Fixtures		0.06	0.00	
g) Office Equipment & Other Items		0.02	0.00	
Total	51.12	0.25	0.00	51.37

(Petitioner)

Form 4-1: Statement of Gross Fixed Asset Base & Financing Plan (Amount in Rs Crore)

Name of the Power Station:

Ramganga

2006-07

Particulars of Assets**	Balance at the beginning of the year	Additions during the year	Retirement of assets during the year already undertaken	Balance at the end of the year
(1)	(2)	(3b)**	(4b)**	(5)
a) Land	Break Up not available	0.00	0.00	Break Up not available
b) Building		0.00	0.00	
c) Major Civil Works		0.00	0.00	
d) Plant & Machinery		0.05	0.00	
e) Vehicles		0.04	0.00	
f) Furniture and Fixtures		0.06	0.00	
g) Office Equipment & Other Items		0.18	0.00	
Total	51.37	0.32	0.00	51.69

(Petitioner)

Form 4-1: Statement of Gross Fixed Asset Base & Financing Plan (Amount in Rs Crore)

Name of the Power Station:

Ramganga

2007-08

Particulars of Assets ⁺⁺	Balance at the beginning of the year	Additions during the year	Retirement of assets during the year already undertaken	Balance at the end of the year
(1)	(2)	(3b)**	(4b)**	(5)
a) Land	Break Up not available	0.00	0.00	Break Up not available
b) Building		0.35	0.00	
c) Major Civil Works		0.00	0.00	
d) Plant & Machinery		0.25	0.00	
e) Vehicles		0.07	0.00	
f) Furniture and Fixtures		0.04	0.00	
g) Office Equipment & Other Items		0.06	0.00	
Total	51.69	0.77	0.00	52.47

(Petitioner)

Form 4-1: Statement of Gross Fixed Asset Base & Financing Plan (Amount in Rs Crore)

Name of the Power Station:

Ramganga

2008-09

Particulars of Assets**	Balance at the beginning of the year	Additions during the year	Retirement of assets during the year already undertaken	Balance at the end of the year
(1)	(2)	(3b)**	(4b)**	(5)
a) Land	Break Up not available	0.00	0.00	Break Up not available
b) Building		0.00	0.00	
c) Major Civil Works		0.00	0.00	
d) Plant & Machinery		0.10	0.00	
e) Vehicles		0.00	0.00	
f) Furniture and Fixtures		0.09	0.00	
g) Office Equipment & Other Items		0.29	0.00	
Total	52.47	0.48	0.00	52.95

(Petitioner)

Form 4-1: Statement of Gross Fixed Asset Base & Financing Plan (Amount in Rs Crore)

Name of the Power Station:

Ramganga

Year: 2009-10

Particulars of Assets**	Balance at the beginning of the year	Additions during the year proposed to be undertaken*	Additions during the year	Retirement of assets during the year proposed to be undertaken	Retirement of assets during the year already undertaken	Balance at the end of the year
(1)	(2)	(3a)*	(3b)**	(4a)*	(4b)**	(5)
a) Land	Break Up not available		0.00	0.00	0.00	Break Up not available
b) Building			0.04	0.00	0.00	
c) Major Civil Works			0.00	0.00	0.00	
d) Plant & Machinery			0.01	0.00	0.00	
e) Vehicles			0.03	0.00	0.00	
f) Furniture and Fixtures			0.04	0.00	0.00	
g) Office Equipment & Other Items			0.13	0.00	0.00	
Total	52.95		0.25	0.00	0.00	53.20

(Petitioner)

Form 4-1: Statement of Gross Fixed Asset Base & Financing Plan (Amount in Rs Crore)

Name of the Power Station:

Ramganga

Year: 2010-11

Particulars of Assets**	Balance at the beginning of the year	Additions during the year proposed to be undertaken*	Additions during the year already undertaken**	Retirement of assets during the year proposed to be undertaken	Retirement of assets during the year already undertaken	Balance at the end of the year
(1)	(2)	(3a)*	(3b)**	(4a)*	(4b)**	(5)
a) Land	Break Up not available		0.00	0.00	0.00	Break Up not available
b) Building			0.01	0.00	0.00	
c) Major Civil Works			0.00	0.00	0.00	
d) Plant & Machinery			0.00	0.00	0.00	
e) Vehicles			0.03	0.00	0.00	
f) Furniture and Fixtures			0.08	0.00	0.00	
g) Office Equipment & Other Items			0.09	0.00	0.00	
Total	53.20		0.218	0.00	0.00	53.41

(Petitioner)

Form 4-1: Statement of Gross Fixed Asset Base & Financing Plan (Amount in Rs Crore)

Name of the Power Station:

Ramganga

Year: 2011-12

Particulars of Assets**	Balance at the beginning of the year	Additions during the year proposed to be undertaken*	Additions during the year already undertaken up t	Retirement of assets during the year proposed to be undertaken	Retirement of assets during the year already undertaken	Balance at the end of the year
(1)	(2)	(3a)*	(3b)**	(4a)*	(4b)**	(5)
a) Land	Break Up not available		0.00	0.00	0.00	Break Up not available
b) Building			0.00	0.00	0.00	
c) Major Civil Works			0.00	0.00	0.00	
d) Plant & Machinery			0.00	0.00	0.00	
e) Vehicles			0.00	0.00	0.00	
f) Furniture and Fixtures			0.00	0.00	0.00	
g) Office Equipment & Other Items			0.00	0.00	0.00	
Total	53.41		0.00	0.00	0.00	53.41

(Petitioner)

Form 4-1: Statement of Gross Fixed Asset Base & Financing Plan (Amount in Rs Crore)

Name of the Power Station: Ramganga 2012-13

Particulars of Assets**	Balance at the beginning of the year	Additions during the year already undertaken**	Retirement of assets during the year proposed to be undertaken	Retirement of assets during the year already undertaken	Balance at the end of the year
(1)	(2)	(3b)**	(4a)*	(4b)**	(5)
a) Land	Break Up not available		0.00	0.00	Break Up not available
b) Building			0.00	0.00	
c) Major Civil Works			0.00	0.00	
d) Plant & Machinery			0.00	0.00	
e) Vehicles			0.00	0.00	
f) Furniture and Fixtures			0.00	0.00	
g) Office Equipment & Other Items			0.00	0.00	
Total		53.41		0.00	

(Petitioner)

Form 5-1: Statement of Depreciation on Additional Capitalisation (Rs. in Crore)

Name of the Power Station:

Ramganga

Year

2001-02

Particulars of Assets*	Rate of Depreciation in %	Accumulated depreciation on additional capitalisation at the beginning of the year	Depreciation provided for the year	Withdrawals during the year	Balance of accumulated depreciation at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)
a) Land		-		-	
b) Building		-		-	
c) Major Civil Works		-		-	
d) Plant & Machinery		-		-	
e) Vehicles		-		-	
f) Furniture and Fixtures		-		-	
g) Office Equipment & Others		-		-	
Total	2.66%		0.00	Nil	0.00

(Petitioner)

Form 5-1: Statement of Depreciation on Additional Capitalisation (Rs. in Crore)

Name of the Power Station: Ramganga

Year: 2002-03

Particulars of Assets*	Rate of Depreciation in %	Accumulated depreciation at the beginning of the year	Depreciation provided for the year on assets already capitalised	Withdrawals during the year already undertaken	Balance of accumulated depreciation at the end of the year
(1)	(2)	(3)	(4a)*	(5a)*	(6)
a) Land					
b) Building					
c) Major Civil Works					
d) Plant & Machinery					
e) Vehicles					
f) Furniture and Fixtures					
g) Office Equipment & Others					
Total	2.66%	0.00	0.00		0.0000

(Petitioner)

Form 5-1: Statement of Depreciation on Additional Capitalisation(Rs. in Crore)

Name of the Power Station:

Ramganga

Year

2003-04

Particulars of Assets*	Rate of Depreciation in %	Accumulated depreciation at the beginning of the year	Depreciation provided for the year	Withdrawls during the year	Balance of accumulated depreciation at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)
a) Land					
b) Building					
c) Major Civil Works					
d) Plant & Machinery					
e) Vehicles					
f)Furniture and Fixtures					
g) Office Equipment & Others					
Total	2.66%	0.00	0.014	0.000	0.014

(Petitioner)

Form 5-1: Statement of Depreciation on Additional Capitalisation(Rs. in Crore)

Name of the Power Station:

Ramganga

Year

2004-05

Particulars of Assets ⁺	Rate of Depreciation in %	Accumulated depreciation at the beginning of the year	Depreciation provided for the year	Withdrawals during the year	Balance of accumulated depreciation at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)
a) Land					
b) Building					
c) Major Civil Works					
d) Plant & Machinery					
e) Vehicles					
f) Furniture and Fixtures					
g) Office Equipment & Others					
Total	2.66%	0.0137	0.0106	0.00	0.0243

(Petitioner)

Form 5-1: Statement of Depreciation on Additional Capitalisation (Rs. in Crore)

Name of the Power Station:

Ramganga

Year

2005-06

Particulars of Assets ⁺	Rate of Depreciation in %	Accumulated depreciation at the beginning of the year	Depreciation provided for the year	Withdrawals during the year	Balance of accumulated depreciation at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)
a) Land					
b) Building					
c) Major Civil Works					
d) Plant & Machinery					
e) Vehicles					
f) Furniture and Fixtures					
g) Office Equipment & Others					
Total	2.66%	0.0243	0.0068	0.00	0.0310

(Petitioner)

Form 5-1: Statement of Depreciation on Additional Capitalisation(Rs. in Crore)

Name of the Power Station:

Ramganga

Year

2006-07

Particulars of Assets ⁺	Rate of Depreciation in %	Accumulated depreciation at the beginning of the year	Depreciation provided for the year	Withdrawals during the year	Balance of accumulated depreciation at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)
a) Land				0.0000	
b) Building				0.0000	
c) Major Civil Works				0.0000	
d) Plant & Machinery				0.0000	
e) Vehicles				0.0000	
f) Furniture and Fixtures				0.0000	
g) Office Equipment & Others				0.0000	
Total	2.66%	0.0310	0.0086	0.0000	0.0396

(Petitioner)

Form 5-1: Statement of Depreciation on Additional Capitalistion (Rs. in Crore)

Name of the Power Station:

Ramganga

Year

2007-08

Particulars of Assets ⁺	Rate of Depreciation in %	Accumulated depreciation at the beginning of the year	Depreciation provided for the year	Withdrawals during the year	Balance of accumulated depreciation at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)
a) Land				0.0000	
b) Building				0.0000	
c) Major Civil Works				0.0000	
d) Plant & Machinery				0.0000	
e) Vehicles				0.0000	
f) Furniture and Fixtures				0.0000	
g) Office Equipment & Others				0.0000	
Total	2.66%	0.0396	0.0206	0.0000	0.0602

(Petitioner)

Form 5-1: Statement of Depreciation on Additional Capitalistion(Rs. in Crore)

Name of the Power Station:

Ramganga

Year

2008-09

Particulars of Assets ⁺	Rate of Depreciation in %	Accumulated depreciation at the beginning of the year	Depreciation provided for the year	Withdrawals during the year	Balance of accumulated depreciation at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)
a) Land				0.0000	
b) Building				0.0000	
c) Major Civil Works				0.0000	
d) Plant & Machinery				0.0000	
e) Vehicles				0.0000	
f)Furniture and Fixtures				0.0000	
g) Office Equipment & Others				0.0000	
Total	2.66%	0.0602	0.0128	0.0000	0.0730

(Petitioner)

Form 5-1: Statement of Depreciation on Additional Capitalistion(Rs. in Crore)

Name of the Power Station:

Ramganga

Year

2009-10

Particulars of Assets ⁺	Rate of Depreciation in %	Accumulated depreciation at the beginning of the year	Depreciation provided for the year	Withdrawals during the year	Balance of accumulated depreciation at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)
a) Land				0.0000	
b) Building				0.0000	
c) Major Civil Works				0.0000	
d) Plant & Machinery				0.0000	
e) Vehicles				0.0000	
f) Furniture and Fixtures				0.0000	
g) Office Equipment & Others				0.0000	
Total	2.66%	0.0730	0.0067	0.0000	0.0796

(Petitioner)

Form 5-1: Statement of Depreciation on Additional Capitalistion(Rs. in Crore)

Name of the Power Station:

Ramganga

Year

2010-11

Particulars of Assets ⁺	Rate of Depreciation in %	Accumulated depreciation at the beginning of the year	Depreciation provided for the year	Withdrawals during the year	Balance of accumulated depreciation at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)
a) Land				0.0000	
b) Building				0.0000	
c) Major Civil Works				0.0000	
d) Plant & Machinery				0.0000	
e) Vehicles				0.0000	
f)Furniture and Fixtures				0.0000	
g) Office Equipment & Others				0.0000	
Total	2.66%	0.0796	0.0000	0.0000	0.0796

(Petitioner)

Form 5-1: Statement of Depreciation on Additional Capitalistion(Rs. in Crore)

Name of the Power Station:

Ramganga

Year

2011-12

Particulars of Assets ⁺	Rate of Depreciation in %	Accumulated depreciation at the beginning of the year	Depreciation provided for the year	Withdrawals during the year	Balance of accumulated depreciation at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)
a) Land					
b) Building					
c) Major Civil Works					
d) Plant & Machinery					
e) Vehicles					
f)Furniture and Fixtures					
g) Office Equipment & Others					
Total	2.66%	0.0796	0.0000	0.0000	0.0796

(Petitioner)

Form 5-1: Statement of Depreciation on Additional Capitalistion(Rs. in Crore)

Name of the Power Station:

Ramganga

Year

2012-13

Particulars of Assets ⁺	Rate of Depreciation in %	Accumulated depreciation at the beginning of the year	Depreciation provided for the year	Withdrawals during the year	Balance of accumulated depreciation at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)
a) Land					
b) Building					
c) Major Civil Works					
d) Plant & Machinery					
e) Vehicles					
f) Furniture and Fixtures					
g) Office Equipment & Others					
Total	2.66%	0.0796	0.0000	0.0000	0.0796

(Petitioner)

Form 6-1: Statement of Capital Expenditure from COD (Rs. in Crore)

Name of the Power Station:
Final Approved Cost as on COD@:

Ramganga

Particulars	FY of COD	Preceding Year (2001-02)	Preceding Year (2002-03)	Preceding Year (2003-04)	Preceding Year (2004-05)	Preceding Year (2005-06)	Preceding Year (2006-07)	Preceding Year (2007-08)	Preceding Year (2008-09)	Preceding Year (2009-10)	Preceding Year (2010-11)	Current Year (2011-12) up to Sep'11	Tariff Year (2012-13)	Total Actual Expenditure Approved by Competent Authority	Total Expenditure Actually Incurred	Remarks++
(1)	(2)	(3)	(4)	(4)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)
A) Expenditure Details																
a) Land	As Determined by Hon'ble Commission in its tariff order dated 12.07.2006, 16.12.2004, 18.03.08 and 21.10.09	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.0	BREAK UP IS NOT AVAILABLE	BREAK UP IS NOT AVAILABLE	
b) Building		0.000	0.010	0.180	0.050	0.002	0.000	0.35	0.00	0.04	0.01	0.00	0.0			
c) Major Civil Works		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.0			
d) Plant & Machinery		0.000	0.002	0.050	0.264	0.001	0.049	0.25	0.10	0.01	0.00	0.00	0.0			
e) Vehicles		0.027	0.001	0.092	0.001	0.167	0.040	0.07	0.00	0.03	0.03	0.00	0.0			
f)Furniture and Fixtures		0.010	0.020	0.060	0.018	0.060	0.059	0.04	0.09	0.04	0.08	0.00	0.0			
g) Office Equipment & Others		0.015	0.098	0.133	0.065	0.024	0.175	0.06	0.29	0.13	0.09	0.00	0.0			
Total (A)	50.02	0.053	0.131	0.515	0.398	0.254	0.324	0.773	0.479	0.250	0.218	0.00	0.00	53.20	53.20	
B) Break up of sources of financing																
Rupee term Loan																
Normative Debt	35.014	0.037	0.091	0.360	0.278	0.178	0.227	0.541	0.336	0.175	0.152	0.000	0.000	37.24	37.24	
Debt 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Foreign Currency Loan																
Debt 1		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Debt 2 *		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Total debt	35.01	0.037	0.091	0.360	0.278	0.178	0.227	0.541	0.336	0.175	0.152	0.000	0.000	37.24	37.24	
Equity																
In Rupees	15.01	0.016	0.039	0.154	0.119	0.076	0.097	0.232	0.144	0.075	0.065	0.000	0.000	15.96	15.96	
In Foreign Currency		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
c) Others (Please		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Total (B)	50.02	0.053	0.131	0.515	0.398	0.254	0.324	0.773	0.479	0.250	0.218	0.000	0.000	53.20	53.20	

(Petitioner)

Form 6-3: Statement of Capital Expenditure and Schedule of Commissioning for New Projects (Rs. in Crore)

Name of the Power Station:

Ramganga

Name of Agency approving the Project Cost Estimates

Date of Approval of Capital Cost Estimate

Present Day Cost (As onDate) **Completed Cost (As on Scheduled COD)**

Approved Cost

Foreign Exchange Rate considered for capital cost estimates

Cost Details

		Currency	Exchange Rate	Amount (Rs. Crore)
A) Basic Cost				
	Foreign Component			
	Domestic Component			
	Total Basic Cost	a		
B) IDC &FC				
	IDC- Foreign Component			
	IDC- Indian Component			
	Total IDC &FC	b		
C) Total Cost (Including IDC and FC)		c=(a+b)		

NOT APPLICABLE

Rate of Taxes and Duties Considered

Schedule of Commissioning

COD of Unit-I		
COD of Unit-II		

COD of Last Unit		

(Petitioner)

Form 6-2: Statement of Capital Works in Progress from COD (Rs. in Crore)

Name of the Power Station: Ramganga

Particulars	Year 1	-----	Preceding Years				Tariff Year	Tariff Year	
			(4)	(5)	(6)	(7)			(8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Opening balance of CWIP	<i>NOT APPLICABLE</i>								
Add: New Investment									
Capital Expenditure									
Expenses Capitalised									
Interest During Construction									
Less: Investment Capitalised									
Comprising:									
Transfer to GFA (excl. IDC & Expenses Cap.)									
Transfer to GFA (IDC)									
Transfer to GFA (Expenses Cap.)									
Closing balance of CWIP									

(Petitioner)

Form 6-4: Break-up of Capital Expenditure for New Projects (Rs. in Crore)

Name of the Power Station:

Ramganga

Name of Agency approving the Project Cost Estimates

Date of Approval of Capital Cost Estimate

Particulars	Total Expenditure Approved by Competent Authority	Year 1	----	Current Year	Total Expenditure Incurred upto Current Year	Total Expenditure supposed to be incurred till current year, as per the approved plan	Difference between column 6 and 7	Remarks++	Tariff Year
		Expenditure Actually Incurred							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
A) Expenditure Details	NOT APPLICABLE								
a) Land									
b) Building									
c) Major Civil Works									
d) Plant & Machinery									
e) Vehicles									
f) Furniture and Fixtures									
g) Office Equipment & Others									
Total (A)									
B) Break up of sources of financing									
a) Loans/ Borrowings									
b) Equity									
c) Others (Please specify)									
Total (B)									

(Petitioner)

Form 6-5: Break up of Capital cost for hydro power generating station on COD

Name of the Power Station:		Ramganga	(Rs. in crore)		
Sl. No.	Head of works	Original cost as approved by Authority	Cost on COD	Variation	Reasons for variation
1	2	3	4	5	6
1.0	Infrastructure Works	Capital Cost I.e. GFA of Rs 50.02 Crores as approved by the Hon'ble Commission as the capital cost of Ramganga power House transferred to UJVNL. Component wise break up of the above capital cost I.e. GFA is not available.			
1.1	Preliminary including Development				
1.2	Land				
1.3	Buildings				
1.4	Township				
1.5	Maintenance				
1.6	Tools & Plants				
1.7	Communication				
1.8	Environment & Ecology				
1.9	Losses on stock				
1.10	Receipt & Recoveries				
1.11	Total (Infrastructure works)				
2.0	Major Civil Works				
2.1	Dam, Intake & Desilting Chambers				
2.2	HRT, TRT, Surge Shaft & Pressure shafts				
2.3	Power Plant civil works				
2.4	Other civil works (to be specified)				
2.5	Total (Major Civil Works)				
3.0	Hydro Mechanical equipments				
4.0	Plant & Equipment				
4.1	Initial spares of Plant & Equipment				
4.2	Total (Plant & Equipment)				
5.0	Taxes and Duties				
5.1	Custom Duty				
5.2	Other taxes & Duties				
5.3	Total Taxes & Duties				
6.0	Construction & Pre-commissioning expenses				
6.1	Erection, testing & commissioning				
6.2	Construction Insurance				
6.3	Site supervision				
6.4	Total (Const. & Pre-commissioning)				
7.0	Overheads				
7.1	Establishment				
7.2	Design & Engineering				
7.3	Audit & Accounts				
7.4	Contingency				
7.5	Rehabilitation & Resettlement				
7.6	Total (Overheads)				
8.0	Capital Cost without IDC & FC				
9.0	Financing charges (FC)				
10.0	Interest during construction (IDC)				
11.0	Capital Cost with IDC & FC				

(Petitioner)

Form 6-6: Break up of Capital Cost for Plant & Equipment on COD

Name of the Power Station

Ramganga

(Rs. in crore)

Sl. No.	Head of works	Original Cost as approved by Authority	Cost on COD	Variation	Reasons for variation
1	2	3	4	5	6
1.0	Generator, turbine & Accessories				<p align="center">Capital Cost I.e. GFA of Rs 50.02 Crores as approved by the Hon'ble Commission as the capital cost of Ramganga power House transferred to UJVNL. Component wise break up of the above capital cost I.e. GFA is not available.</p>
1.1	Generator package				
1.2	Turbine package				
1.3	Unit control Board				
1.4	C&I package				
1.5	Bus Duct of GT connection				
1.6	Total (Generator, turbine & Accessories)				
2.0	Auxiliary Electrical Equipment				
2.1	Step up transformer				
2.2	Unit Auxiliary Transformer				
2.3	Local supply transformer				
2.4	Station transformer				
2.5	SCADA				
2.6	Switchgear, Batteries, DC dist. Board				
2.7	Telecommunication equipment				
2.8	Illumination of Dam, PH and Switchyard				
2.9	Cables & cable facilities, grounding				
2.10	Diesel generating sets				
2.11	Total (Auxiliary Elect. Equipment)				
3.0	Auxiliary equipment & services for power station				
3.1	EOT crane				
3.2	Other cranes				
3.3	Electric lifts & elevators				
3.4	Cooling water system				
3.5	Drainage & dewatering system				
3.6	Fire fighting equipment				
3.7	Air conditioning, ventilation and heating				
3.8	Water supply system				
3.9	Oil handling equipment				
3.10	Workshop machines & equipment				
3.11	Total (Auxiliary equipt. & services for PS)				
4.0	Switchyard package				
5.0	Initial spares for all above equipments				
6.0	Total (Plant & Equipment)				

(Petitioner)

Form 6-7: Break-up of Construction/Supply/Service packages on COD

Name of the Power Station :

Ramganga

Sl.No.	Name/No. of Construction / Supply / Service Package	Scope of works (in line with head of cost break-ups as applicable)	Whether awarded through ICB/DCB/ Departmentally/ Deposit Work	No. of bids received	Date of Award	Date of Start of work	Date of Completion of Work	Value of Award ⁱⁿ (Rs. Cr.)	Firm or With Escalation in prices	Actual expenditure till the completion or up to COD whichever is earlier(Rs.Cr.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)

Capital Cost I.e. GFA of Rs 50.02 Crores as approved by the Hon'ble Commission as the capital cost of Ramganga power House transferred to UJVNL. Component wise break up of the above capital cost I.e. GFA is not available.

(Petitioner)

Form 7: Detail of Capital Cost and Financing Structure (Rs. in Crore)

Name of the Power Station:

Ramganga

Year ending March	FY of COD#	-----	Year 1 (2001-02)	Year 2 (2002-03)	Year 3 (2003-04)	Year 4 (2004-05)	Year 5 (2005-06)	Year-6 (2006-07)	Year-7 (2007-08)	Year-8 (2008-09)	Year -9 (2009-10)	Year -10 (2010-11)	Current Year 2011-12	Tariff Year 2012-13
(1)	(2)	(3)	(4)	(5)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Basic Project Financial Parameters														
Approved Capital Cost*			50.02	50.07	50.20	50.72	51.12	51.37	51.69	52.47	52.95	53.20	53.20	53.20
Addition during the year			0.05	0.131	0.515	0.398	0.254	0.324	0.773	0.479	0.250	0.218	0.000	0.000
Deletion during the year			0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gross Capital Cost (A)			50.07	50.20	50.72	51.12	51.37	51.69	52.47	52.95	53.20	53.41	53.20	53.20
Equity against Original Project Cost			15.01	15.02	15.06	15.22	15.33	15.41	15.51	15.74	15.88	15.96	15.96	15.96
Addition during the year			0.016	0.039	0.154	0.119	0.076	0.097	0.232	0.144	0.075	0.065	0.000	0.000
Equity Sub-Total (B)			15.02	15.06	15.22	15.33	15.41	15.51	15.74	15.88	15.96	16.02	15.96	15.96
Normative Debt outstanding against the original Capital Cost			35.01	35.05	35.14	35.50	35.78	35.96	36.19	36.73	37.06	37.24	37.24	37.24
New Loans added during the year			0.04	0.09	0.36	0.28	0.18	0.23	0.54	0.34	0.18	0.15	0.00	0.00
Debt Sub-Total (C)			35.05	35.14	35.50	35.78	35.96	36.19	36.73	37.06	37.24	37.39	37.24	37.24
Grants against original project cost			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Addition during the year			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grants Sub-Total (D)			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Financing (B+C+D)			50.07	50.20	50.72	51.12	51.37	51.69	52.47	52.95	53.20	53.41	53.20	53.20

DATA NOT AVAILABLE

Notes on data provided:

GFA as determined by the Hon'ble Commission in its tariff Order dated 05.4.10 has been adopted by the Petitioner

(Petitioner)

Form 8: Details of Financial Packages

Name of the Power Station: **Ramganga**

Source of Funds	Amount in FC	Exchange Rate	Amount in Indian Currency	Period of Repayment	Grace Period	Interest Rate / Return on Equity	Guarantee Commission	Upfront Fees/ Exposure Premium	% of Total Debt	% of Total Equity	% of Total PC		
	(Name of Currency)	(Rs./FC)	(Rs. in Crore)	(Years)	(Years)	(%)	(Rs. in Crore)	(Rs. in Crore)	(%)	(%)	(%)		
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		
(A) Debt	NA	NA											
Foreign:													
Loan I													
Loan II													
Loan III													
Loan IV etc.													
Indian:													
Loan I													
Normative Loan					37.24			12.50%			100%		70%
Total Loan (A)					37.24			12.50%			100%		70%
(B) Equity													
Foreign:													
Indian:					15.96			14%			NA	100%	30%
Total Equity(B)			15.96			14%			NA	100%	30%		
(C) Grants													
Foreign:													
Indian:													
Total Grant (C)													
Total Financing (A+B+C)			53.20							100%	30%		
Total Project Cost			53.20							100%	30%		

Note;

GFA as determined by the Hon'ble Commission in its tariff Order dated 10.05.11 has been adopted by the Petitioner

Petitioner

Form 9-1: Statement of Outstanding Loans (Rs. in Crore)

Name of the Power Station:

Ramganga

2001-02

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (Years)	Balance at the beginning of the year	Amount received during the year	Balance at the end of the year	Principal due during the year	Cumulative Depreciation at the end of the year	Principal redeemed during the year	Principal Due at the year end	Remarks
(1)	(2)	(3)	(4)	(5)		(6)		(7)	(9)=(4)+(5)-(6)	(10)
A. Other than state government										
Loan 1 (Name of lender)										
Loan 2 (Name of lender)										
Loan 3 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1										
Type 2										
Type 3 etc.										
Sub-Total (B)										
Sub-Total (A+B)										
Normative Loan ©	12.50%	10		0.04	0.04	-		-	0.04	
TOTAL (A+B)										

(Petitioner)

Form 9-1: Statement of Outstanding Loans (Rs. in Crore)

Name of the Power Station:

Ramganga

2002-03

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (Years)	Balance at the beginning of the year	Amount received during the year	Balance at the end of the year	Principal due during the year	Cumulative Depreciation at the end of the year	Principal redeemed during the year	Principal Due at the year end	Remarks
(1)	(2)	(3)	(4)	(5)		(6)		(7)	(9)=(4)+(5)-(6)	(10)
A. Other than state government										
Loan 1 (Name of lender)										
Loan 2 (Name of lender)										
Loan 3 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1										
Type 2										
Type 3 etc.										
Sub-Total (B)										
Sub-Total (A+B)										
Normative Loan ©	12.50%	10	0.04	0.09	0.13	0.00		0.00	0.12	

(Petitioner)

Form 9-1: Statement of Outstanding Loans (Rs. in Crore)

Name of the Power Station:

Ramganga

2003-04

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (Years)	Balance at the beginning of the year	Amount received during the year	Balance at the end of the year	Principal due during the year	Cumulative Depreciation at the end of the year	Principal redeemed during the year	Principal Due at the year end	Remarks
(1)	(2)	(3)	(4)	(5)		(6)		(7)	(9)=(4)+(5)-(6)	(10)
A. Other than state government										
Loan 1 (Name of lender)										
Loan 2 (Name of lender)										
Loan 3 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1										
Type 2										
Type 3 etc.										
Sub-Total (B)										
Sub-Total (A+B)										
Normative Loan ©	12.50%	10	0.12	0.36	0.48	0.01		0.01	0.47	

(Petitioner)

Form 9-1: Statement of Outstanding Loans (Rs. in Crore)

Name of the Power Station:

Ramganga

2004-05

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (Years)	Balance at the beginning of the year	Amount received during the year	Balance at the end of the year	Principal due during the year	Cumulative Depreciation at the end of the year	Principal redeemed during the year	Principal Due at the year end	Remarks
(1)	(2)	(3)	(4)	(5)		(6)		(7)	(9)=(4)+(5)-(6)	(10)
A. Other than state government										
Loan 1 (Name of lender)										
Loan 2 (Name of lender)										
Loan 3 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1										
Type 2										
Type 3 etc.										
Sub-Total (B)										
Sub-Total (A+B)										
Normative Loan ©	12.50%	10	0.47	0.28	0.75	0.05		0.05	0.70	

(Petitioner)

Form 9-1: Statement of Outstanding Loans (Rs. in Crore)

Name of the Power Station:

Ramganga

2005-06

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (Years)	Balance at the beginning of the year	Amount received during the year	Balance at the end of the year	Principal due during the year	Cumulative Depreciation at the end of the year	Principal redeemed during the year	Principal Due at the year end	Remarks
(1)	(2)	(3)	(4)	(5)		(6)		(7)	(9)=(4)+(5)-(6)	(10)
A. Other than state government										
Loan 1 (Name of lender)										
Loan 2 (Name of lender)										
Loan 3 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1										
Type 2										
Type 3 etc.										
Sub-Total (B)										
Sub-Total (A+B)										
Normative Loan ©	12.50%	10	0.70	0.18	0.88	0.07		0.07	0.81	

(Petitioner)

Form 9-1: Statement of Outstanding Loans (Rs. in Crore)

Name of the Power Station:

Ramganga

2006-07

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (Years)	Balance at the beginning of the year	Amount received during the year	Balance at the end of the year	Principal due during the year	Cumulative Depreciation at the end of the year	Principal redeemed during the year	Principal Due at the year end	Remarks
(1)	(2)	(3)	(4)	(5)		(6)		(7)	(9)=(4)+(5)-(6)	(10)
A. Other than state government										
Loan 1 (Name of lender)										
Loan 2 (Name of lender)										
Loan 3 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1										
Type 2										
Type 3 etc.										
Sub-Total (B)										
Sub-Total (A+B)										
Normative Loan ©	12.50%	10	0.81	0.23	1.04	0.08		0.08	0.96	

(Petitioner)

Name of the Power Station:

Ramganga

2007-08

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (Years)	Balance at the beginning of the year	Amount received during the year	Balance at the end of the year	Principal due during the year	Cumulative Depreciation at the end of the year	Principal redeemed during the year	Principal Due at the year end	Remarks
(1)	(2)	(3)	(4)	(5)		(6)		(7)	(9)=(4)+(5)-(6)	(10)
A. Other than state government										
Loan 1 (Name of lender)										
Loan 2 (Name of lender)										
Loan 3 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1										
Type 2										
Type 3 etc.										
Sub-Total (B)										
Sub-Total (A+B)										
Normative Loan ©	12.50%	10	0.96	0.54	1.50	0.10		0.10	1.40	

(Petitioner)

Name of the Power Station:

Ramganga

2008-09

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (Years)	Balance at the beginning of the year	Amount received during the year	Balance at the end of the year	Principal due during the year	Cumulative Depreciation at the end of the year	Principal redeemed during the year	Principal Due at the year end	Remarks
(1)	(2)	(3)	(4)	(5)		(6)		(7)	(9)=(4)+(5)-(6)	(10)
A. Other than state government										
Loan 1 (Name of lender)										
Loan 2 (Name of lender)										
Loan 3 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1										
Type 2										
Type 3 etc.										
Sub-Total (B)										
Sub-Total (A+B)										
Normative Loan ©	12.50%	10	1.40	0.34	1.74	0.14		0.14	1.60	

(Petitioner)

Name of the Power Station:

Ramganga

2009-10

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (Years)	Balance at the beginning of the year	Amount received during the year	Balance at the end of the year	Principal due during the year	Cumulative Depreciation at the end of the year	Principal redeemed during the year	Principal Due at the year end	Remarks
(1)	(2)	(3)	(4)	(5)		(6)		(7)	(9)=(4)+(5)-(6)	(10)
A. Other than state government										
Loan 1 (Name of lender)										
Loan 2 (Name of lender)										
Loan 3 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1										
Type 2										
Type 3 etc.										
Sub-Total (B)										
Sub-Total (A+B)										
Normative Loan ©	12.50%	10	1.60	0.1751	1.77	0.16		0.16	1.61	

(Petitioner)

(Petitioner)

Name of the Power Station:

Ramganga

2011-12

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (Years)	Balance at the beginning of the year	Amount received during the year	Balance at the end of the year	Principal due during the year	Cumulative Depreciation at the end of the year	Principal redeemed during the year	Principal Due at the year end	Remarks
(1)	(2)	(3)	(4)	(5)		(6)		(7)	(9)=(4)+(5)-(6)	(10)
A. Other than state government										
Loan 1 (Name of lender)										
Loan 2 (Name of lender)										
Loan 3 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1										
Type 2										
Type 3 etc.										
Sub-Total (B)										
Sub-Total (A+B)										
Normative Loan ©	12.50%	10	1.60	-	1.60	0.16		0.16	1.44	

(Petitioner)

(Petitioner)

Name of the Power Station:

Ramganga

2012-13

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (Years)	Balance at the beginning of the year	Amount received during the year	Balance at the end of the year	Principal due during the year	Cumulative Depreciation at the end of the year	Principal redeemed during the year	Principal Due at the year end	Remarks
(1)	(2)	(3)	(4)	(5)		(6)		(7)	(9)=(4)+(5)-(6)	(10)
A. Other than state government										
Loan 1 (Name of lender)										
Loan 2 (Name of lender)										
Loan 3 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1										
Type 2										
Type 3 etc.										
Sub-Total (B)										
Sub-Total (A+B)										
Normative Loan ©	0.00%	10	1.44	-	1.44	0.14		0.14	1.30	

(Petitioner)

Form 9-2: Statement of Interest & Financing charges (Rs. in Crore)

Name of the Power Station:

Ramganga

Year

2002-03 to 2009-10

Loan Agency (Source of loan)	Rate of interest (%)	Interest and Financing expenses incurred (accrued) during the year	Interest and Financing expenses due during the year	Interest and Financing expenses paid during the year	Overdue interest	Total Overdues	Remarks
(1)	(2)	(3)	(4)	(5)	(6)=(4)-(5)	(7)=((8) of Form 9-1)+(6)	(8)
Other than state government							
Loan 1 (Name of lender)	<i>NOT APPLICABLE</i>						
Loan 2 (Name of lender)							
Loan 3 (Name of lender), etc.							
Sub-Total							
Government Loans							
Type 1							
Type 2							
Type 3 etc.							
Sub-Total							
TOTAL							

(Petitioner)

Form 9-3: Statement of Outstanding Loan, Interest & Financing charges during Tariff Year (Rs. in Crore)

Name of the Power Station:

Ramganga

Year: 2001-02

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (year)	Balance at the beginning of the year	Amount proposed to be drawn during the year	Principal due during the year @	Interest & Financing expenses expected to be incurred (accrued) during the year	Interest and Financing expenses paid during the year	Weighted Average Exchange Rate at COD for Loan - Only for Foreign Currency Loans	Expected Exchange Rate on due date(s) of repayment of Loan - Only for Foreign Currency Loans	Extra Rupee Liability										
A. Other than state government	NOT APPLICABLE																			
Loan 1 (Name of lender)																				
Loan 2 (Name of lender), etc.																				
Sub-Total (A)																				
B. Government Loans	NOT APPLICABLE																			
Type 1																				
Type 2, etc.																				
Sub-Total (B)																				
Sub-Total (A&B)	NOT APPLICABLE																			
C. Normative Loans											12.50%	10	0.00	0.0370	0.0370	0.00	0.00	NA	NA	NA
TOTAL (A, B & C)											12.50%	10	0.00	0.0370	0.0370	0.00	0.00	NA	NA	NA

(Petitioner)

Form 9-3: Statement of Outstanding Loan, Interest & Financing charges during Tariff Year (Rs. in Crore)

Name of the Power Station:

Ramganga

Year: 2002-03

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (year)	Balance at the beginning of the year	Amount proposed to be drawn during the year	Principal due during the year @	Interest & Financing expenses expected to be incurred (accrued) during the year	Interest and Financing expenses paid during the year	Weighted Average Exchange Rate at COD for Loan - Only for Foreign Currency Loans	Expected Exchange Rate on due date(s) of repayment of Loan - Only for Foreign Currency Loans	Extra Rupee Liability
A. Other than state government	NOT APPLICABLE									
Loan 1 (Name of lender)										
Loan 2 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1	NOT APPLICABLE									
Type 2, etc.										
Sub-Total (B)										
Sub-Total (A&B)										
C. Normative Loans										
TOTAL (A, B & C)	12.50%	10	0.04	0.0914	0.1284	0.02	0.00	NA	NA	NA

(Petitioner)

Form 9-3: Statement of Outstanding Loan, Interest & Financing charges during Tariff Year (Rs. in Crore)

Name of the Power Station:

Ramganga

Year: 2003-04

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (year)	Balance at the beginning of the year	Amount proposed to be drawn during the year	Principal due during the year @	Interest & Financing expenses expected to be incurred (accrued) during the year	Interest and Financing expenses paid during the year	Weighted Average Exchange Rate at COD for Loan - Only for Foreign Currency Loans	Expected Exchange Rate on due date(s) of repayment of Loan - Only for Foreign Currency Loans	Extra Rupee Liability
A. Other than state government	NOT APPLICABLE									
Loan 1 (Name of lender)										
Loan 2 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1	NOT APPLICABLE									
Type 2, etc.										
Sub-Total (B)										
Sub-Total (A&B)										
C. Normative Loans										
TOTAL (A, B & C)	12.50%	10	0.12	0.3602	0.4849	0.06	0.00	NA	NA	NA

(Petitioner)

Form 9-3: Statement of Outstanding Loan, Interest & Financing charges during Tariff Year (Rs. in Crore)

Name of the Power Station:

Ramganga

Year: 2004-05

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (year)	Balance at the beginning of the year	Amount proposed to be drawn during the year	Principal due during the year @	Interest & Financing expenses expected to be incurred (accrued) during the year	Interest and Financing expenses paid during the year	Weighted Average Exchange Rate at COD for Loan - Only for Foreign Currency Loans	Expected Exchange Rate on due date(s) of repayment of Loan - Only for Foreign Currency Loans	Extra Rupee Liability
A. Other than state government	NOT APPLICABLE									
Loan 1 (Name of lender)										
Loan 2 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1 Type 2, etc.										
Sub-Total (B)										
Sub-Total (A&B)										
C. Normative Loans	12.50%	10	0.47	0.28	0.7509	0.09	0.00	NA	NA	NA
TOTAL (A, B & C)	12.50%	10	0.47	0.2785	0.7509	0.09	0.00	NA	NA	NA

(Petitioner)

Form 9-3: Statement of Outstanding Loan, Interest & Financing charges during Tariff Year (Rs. in Crore)

Name of the Power Station:

Ramganga

Year: 2005-06

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (year)	Balance at the beginning of the year	Amount proposed to be drawn during the year	Principal due during the year @	Interest & Financing expenses expected to be incurred (accrued) during the year	Interest and Financing expenses paid during the year	Weighted Average Exchange Rate at COD for Loan - Only for Foreign Currency Loans	Expected Exchange Rate on due date(s) of repayment of Loan - Only for Foreign Currency Loans	Extra Rupee Liability
A. Other than state government	NOT APPLICABLE									
Loan 1 (Name of lender)										
Loan 2 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1	NOT APPLICABLE									
Type 2, etc.										
Sub-Total (B)										
Sub-Total (A&B)										
C. Normative Loans										
TOTAL (A, B & C)	12.50%	10	0.70	0.1779	0.8816	0.11	0.00	NA	NA	NA

(Petitioner)

Form 9-3: Statement of Outstanding Loan, Interest & Financing charges during Tariff Year (Rs. in Crore)

Name of the Power Station:

Ramganga

Year: 2006-07

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (year)	Balance at the beginning of the year	Amount proposed to be drawn during the year	Principal due during the year @	Interest & Financing expenses expected to be incurred (accrued) during the year	Interest and Financing expenses paid during the year	Weighted Average Exchange Rate at COD for Loan - Only for Foreign Currency Loans	Expected Exchange Rate on due date(s) of repayment of Loan - Only for Foreign Currency Loans	Extra Rupee Liability
A. Other than state government	NOT APPLICABLE									
Loan 1 (Name of lender)										
Loan 2 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1										
Type 2, etc.										
Sub-Total (B)										
Sub-Total (A&B)										
C. Normative Loans										
TOTAL (A, B & C)	12.50%	10	0.81	0.2267	1.0379	0.13	0.00	NA	NA	NA

(Petitioner)

Form 9-3: Statement of Outstanding Loan, Interest & Financing charges during Tariff Year (Rs. in Crore)

Name of the Power Station:

Ramganga

Year: 2007-08

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (year)	Balance at the beginning of the year	Amount proposed to be drawn during the year	Principal due during the year @	Interest & Financing expenses expected to be incurred (accrued) during the year	Interest and Financing expenses paid during the year	Weighted Average Exchange Rate at COD for Loan - Only for Foreign Currency Loans	Expected Exchange Rate on due date(s) of repayment of Loan - Only for Foreign Currency Loans	Extra Rupee Liability
A. Other than state government	NOT APPLICABLE									
Loan 1 (Name of lender)										
Loan 2 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1	NOT APPLICABLE									
Type 2, etc.										
Sub-Total (B)										
Sub-Total (A&B)										
C. Normative Loans										
TOTAL (A, B & C)	12.50%	10	0.96	0.5412	1.4980	0.19	0.00	NA	NA	NA

(Petitioner)

Form 9-3: Statement of Outstanding Loan, Interest & Financing charges during Tariff Year (Rs. in Crore)

Name of the Power Station:

Ramganga

Year: 2008-09

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (year)	Balance at the beginning of the year	Amount proposed to be drawn during the year	Principal due during the year @	Interest & Financing expenses expected to be incurred (accrued) during the year	Interest and Financing expenses paid during the year	Weighted Average Exchange Rate at COD for Loan - Only for Foreign Currency Loans	Expected Exchange Rate on due date(s) of repayment of Loan - Only for Foreign Currency Loans	Extra Rupee Liability										
A. Other than state government	NOT APPLICABLE																			
Loan 1 (Name of lender)																				
Loan 2 (Name of lender), etc.																				
Sub-Total (A)																				
B. Government Loans	NOT APPLICABLE																			
Type 1																				
Type 2, etc.																				
Sub-Total (B)																				
Sub-Total (A&B)	NOT APPLICABLE																			
C. Normative Loans											12.50%	10	1.40	0.34	1.7380	0.22	0.00	NA	NA	NA
TOTAL (A, B & C)											12.50%	10	1.40	0.3356	1.7380	0.22	0.00	NA	NA	NA

(Petitioner)

Form 9-3: Statement of Outstanding Loan, Interest & Financing charges during Tariff Year (Rs. in Crore)

Name of the Power Station:

Ramganga

Year: 2009-10

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (year)	Balance at the beginning of the year	Amount proposed to be drawn during the year	Principal due during the year @	Interest & Financing expenses expected to be incurred (accrued) during the year	Interest and Financing expenses paid during the year	Weighted Average Exchange Rate at COD for Loan - Only for Foreign Currency Loans	Expected Exchange Rate on due date(s) of repayment of Loan - Only for Foreign Currency Loans	Extra Rupee Liability
A. Other than state government	NOT APPLICABLE									
Loan 1 (Name of lender)										
Loan 2 (Name of lender), etc.										
Sub-Total (A)										
B. Government Loans										
Type 1	NOT APPLICABLE									
Type 2, etc.										
Sub-Total (B)										
Sub-Total (A&B)										
C. Normative Loans										
TOTAL (A, B & C)	12.50%	10	1.60	0.1751	1.7728	0.22	0.00	NA	NA	NA

(Petitioner)

Form 9-3: Statement of Outstanding Loan, Interest & Financing charges during Tariff Year (Rs. in Crore)

Name of the Power Station:

Ramganga

Year: 2010-11

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (year)	Balance at the beginning of the year	Amount proposed to be drawn during the year	Principal due during the year @	Interest & Financing expenses expected to be incurred (accrued) during the year	Interest and Financing expenses paid during the year	Weighted Average Exchange Rate at COD for Loan - Only for Foreign Currency Loans	Expected Exchange Rate on due date(s) of repayment of Loan - Only for Foreign Currency Loans	Extra Rupee Liability										
A. Other than state government	NOT APPLICABLE																			
Loan 1 (Name of lender)																				
Loan 2 (Name of lender), etc.																				
Sub-Total (A)																				
B. Government Loans	NOT APPLICABLE																			
Type 1																				
Type 2, etc.																				
Sub-Total (B)																				
Sub-Total (A&B)	NOT APPLICABLE																			
C. Normative Loans											12.50%	10	1.61	0.15	1.7655	0.22	0.00	NA	NA	NA
TOTAL (A, B & C)											12.50%	10	1.61	0.1525	1.7655	0.22	0.00	NA	NA	NA

(Petitioner)

Form 9-3: Statement of Outstanding Loan, Interest & Financing charges during Tariff Year (Rs. in Crore)

Name of the Power Station:

Ramganga

Year: 2011-12

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (year)	Balance at the beginning of the year	Amount proposed to be drawn during the year	Principal due during the year @	Interest & Financing expenses expected to be incurred (accrued) during the year	Interest and Financing expenses paid during the year	Weighted Average Exchange Rate at COD for Loan - Only for Foreign Currency Loans	Expected Exchange Rate on due date(s) of repayment of Loan - Only for Foreign Currency Loans	Extra Rupee Liability										
A. Other than state government	NOT APPLICABLE																			
Loan 1 (Name of lender)																				
Loan 2 (Name of lender), etc.																				
Sub-Total (A)																				
B. Government Loans	NOT APPLICABLE																			
Type 1																				
Type 2, etc.																				
Sub-Total (B)																				
Sub-Total (A&B)	NOT APPLICABLE																			
C. Normative Loans											12.50%	10	1.60	0.00	1.6042	0.20	0.00	NA	NA	NA
TOTAL (A, B & C)											12.50%	10	1.60	0.0000	1.6042	0.20	0.00	NA	NA	NA

(Petitioner)

Form 9-3: Statement of Outstanding Loan, Interest & Financing charges during Tariff Year (Rs. in Crore)

Name of the Power Station:

Ramganga

Year: 2012-13

Loan Agency (Source of loan)	Rate of interest (%)	Repayment period (year)	Balance at the beginning of the year	Amount proposed to be drawn during the year	Principal due during the year @	Interest & Financing expenses expected to be incurred (accrued) during the year	Interest and Financing expenses paid during the year	Weighted Average Exchange Rate at COD for Loan - Only for Foreign Currency Loans	Expected Exchange Rate on due date(s) of repayment of Loan - Only for Foreign Currency Loans	Extra Rupee Liability										
A. Other than state government	NOT APPLICABLE																			
Loan 1 (Name of lender)																				
Loan 2 (Name of lender), etc.																				
Sub-Total (A)																				
B. Government Loans	NOT APPLICABLE																			
Type 1																				
Type 2, etc.																				
Sub-Total (B)																				
Sub-Total (A&B)	NOT APPLICABLE																			
C. Normative Loans											12.50%	10	1.44	0.00	1.4438	0.18	0.00	NA	NA	NA
TOTAL (A, B & C)											12.50%	10	1.44	0.0000	1.4438	0.18	0.00	NA	NA	NA

(Petitioner)

Form 10: Calculation of Amount of Working Capital (Rs. in Crore)

Name of the Power Station: **Ramganga**

Sl.No.	Particulars	Preceding 5 Years					Year (2008-09)	Year (2009-10)	Tariff Year (2012-13)
		Year 1	Year 2	Year 3	Year 4	Year 5			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	O & M expenses - 1 month	<i>Not Applicable</i>					1.20	1.82	1.88
2	Spares*						0.83	0.88	1.07
3	Receivables- 2 months						2.66	3.69	4.33
4	Total Working Capital (1+2+3)						4.69	6.40	7.27
5	Working Capital Loan Required						4.69	6.40	7.27
6	Normative Interest Rate (%)						10.25%	12.25%	13.25%
7	Normative Interest on Working Capital (5 X 6)						0.48	0.78	0.96

Note:-

- 1) O & M expenses calculated in Form No. 11-1 will be divided by 12 to calculate the O & M expenses of one month.
- 2) Maintenance spares @ 1% of the historical cost escalated @ 6.51% per annum from the date of commercial operation

- 3) Receivables will be equal to 2 months receivable of fixed charges only. It may be difficult for you to calculate the fixed charges. Hence this figure we will calculate at Head Office Level.

(Petitioner)

Form 11-1: Details of Operation and Maintenance Expenses (Rs. in Crore)

Name of the Power Station:

Ramganga

S. No.	Particulars					Current Year (2011-12)			Tariff Year (2012-13)
			Yr 4 (2008-09)	Yr 5 (2009-10)	Yr 6 (2010-11)	April'11 to Sep'11	Estimated	Total	
(1)	(2)	(3)	(9)					(10)	(11)
a)	Consumption of Stores and Spares								
	- Related to Generator, turbines and Accessories								
	- Related to Auxiliary Electrical Equipment								
	- Related to Auxiliary Equipment & Services for Power Station								
	Lubricant		0.02	0.06	0.25				
	Sub-Total		0.02	0.06	0.25	0.00			0.277
b)	Repair and Maintenance								
	- Plants and Machinery		0.78	0.74	0.85				
	- Buildings		0.96	1.10	0.80				
	- Major Civil Works		0.02	0.02	0.20				
	- Hydraulic works								
	- Lines, cables & networks								
	- Vehicles		0.19	0.20	0.10				
	- Furnitures and Fixtures		0.00	0.00	0.00				
	- Office Equipment & Other Items		0.14	0.24	0.41				
	Sub-Total		2.10	2.31	2.35	0.00		2.19	2.658
c)	Administrative Expenses								
	- Insurance		0.34	0.52	0.68				
	- Rent		0.03	0.05	0.01				
	- Electricity Charges		0.02	0.02	0.13				
	- Travelling and conveyance		0.08	0.13	0.19				
	- Staff Car		0.03	0.05	0.06				
	- Telephone, telex and postage		0.05	0.08	0.09				
	- Advertising		0.17	0.13	0.11				
	- Entertainment		0.03	0.04	0.03				
	- Corporate mgmt expenses		0.00	0.00	0.00				
	- Legal Expenses		0.27	0.13	0.25				
	- Others (specify elements)		0.45	0.44	0.61				
	Sub-Total		1.47	1.58	2.16	0.00		0.13	2.444
	O&M Expenses except Employee Cost		3.59	3.94	4.76	0.00			5.38
d)	Employee Cost								
	- Basic Salaries		4.19	7.90	5.51				
	- Dearness Allowance		2.19	1.50	2.76				
	- Other Allowances		1.33	1.53	1.84				
	- Bonus		0.03	0.02	0.02				
	- Staff welfare expenses		0.17	0.34	0.22				
	- Medical Allowances		0.11	0.12	0.12				
	- Others Expenses (specify elements)		0.31	0.47	0.52				
	- Terminal Benefits		1.19	1.87	2.05				
	GPF Trust Interest		0.77	0.80	1.03				
	With Commission Arrear (AS PER B.5)		3.29	0.000					
	With Commission Arrear (Actual)			2.898					
	Sub-Total		10.29	17.45	14.08	0.00	0.00	13.21	15.90
	Total Employee cost					0.00			
	TOTAL		13.87	21.40	18.84	0.00		15.53	21.284
	Other Expenses Admissible under O&M Expenses								
	Cost of colony consumption		0.40	0.43					0.560
	Regulatory Expenses								0.100
	Insurance								0.498
	Cost of Concessional supply to UJVNL's Past & present employees		0.07	0.07					0.084
	Terminal Benefits & PF related Claims								0.000
	Total O&M Expense		14.34	21.90	18.84			15.53	22.525

Form 11-2: Details of Employee Costs

Name of the Power Station:

Ramganga

Year:

2012-13

S.No.	Category of Employee	Number		Cost (Rs. Crore)		
		Sanctioned	Working	1st Half	2nd Half	Total
1	Board of Directors					
2	Support staff of Board of Directors					
2(a)	Technical					
2(b)	Administrative					
2(c)	Accounts and finance					
2(d)	Others					
	Total					
3	All Other Staff					
3(a)	Technical					
3(a)(i)	Officers					
3(a)(ii)	Staff					
3(b)	Non-technical					
3(b)(i)	<i>Administrative</i>					
3(b)(i.i)	Officers					
3(b)(i.ii)	Staff					
3(b)(ii)	<i>Accounts and finance</i>					
3(b)(ii.i)	Officers					
3(b)(ii.ii)	Staff					
3(b)(iii)	<i>Others</i>					
3(b)(iii.i)	Officers					
3(b)(iii.ii)	Staff					
	Total					
4	Provision against vacant posts					
5	Gross					
6	Add: Corporate Office Allocation					
7	Less: Capitalisation					
8	Employee Cost Net of Capitalisation					

(Petitioner)