



उत्तरांचल **UTTARANCHAL**

870310

**BEFORE THE UTTARAKHAND ELECTRICITY REGULATORY COMMISSION,
DEHRADUN**

File No.....
Case No.....

25 NOV 2010

निर्वाह किया

In the matter of:

Filing of Annual Revenue Requirement and Tariff Petition for Power Transmission Corporation of Uttarakhand Ltd for FY 2011-12.

And in the matter of:

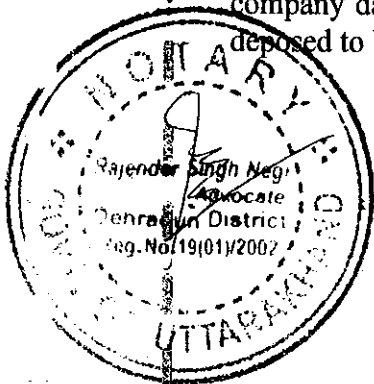
Power Transmission Corporation of Uttarakhand Ltd.

7 B, Vasant Vihar Enclave, Street 1, Dehradun..... **Petitioner**

Affidavit

I, Sh. Jag Mohan Lal, S/o Late Shri Khushi Ram (aged 61 years), (occupation) Managing Director, residing at 49/2/2, Teg Bahadur Road, Dehradun, the deponent named above do hereby solemnly affirm and state on oath as under:-

1. That the deponent is the Managing Director who is authorized as per the resolution of the company dated 25/11/10 (the Petitioner is a Company) and is acquainted with the facts deposed to below.



[Signature]
MANAGING DIRECTOR
POWER TRANSMISSION CORPORATION
OF UTTARAKHAND LTD. DEHRADUN

2. I, the deponent named above do hereby verify that the contents of the paragraph Nos. 1 of the affidavit and those of the paragraph /page No. _____ of the accompanying petition are true to my personal knowledge and those of the paragraph / page Nos. _____ of the accompanying petition are based on the perusal of records and those of the paragraph / page Nos. _____ of the accompanying petition are based on information received and those of the paragraph / page Nos. _____ of the accompanying petition are based on the legal advice which I believe to be true and verify that no part of this affidavit is false and nothing material has been concealed.

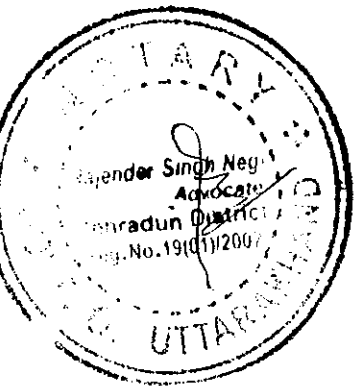

MANAGING DIRECTOR
POWER TRANSMISSION CORPORATION
OF UTTARAKHAND LTD., DEHRADUN

I, Rajender Singh Negi Advocate, Dehradun, do hereby declare that the person making this affidavit is known to me through the perusal of records and I am satisfied that he is the same person alleging to be, deponent himself.


29/11/10
Advocate

Solemnly affirmed before me on this 29/11/10.....day of 2010 at 11:00 a.m./pm. by the deponent who has been identified by the aforesaid Advocate.

I have satisfied myself by examining the deponent that he understood the contents of the affidavit which has been read over and explained to him. He has also been explained about section 193 of Indian Penal Code that whoever intentionally gives false evidence in any of the proceedings of the Commission or fabricates evidence for purpose of being used in any of the proceedings shall be liable for punishment as per law.



(Notary Public)

ATTESTED

29/11/10
(RAJENDER SINGH NEGI)
Advocate & NOTARY
Collectorate Court Compound
Dehra Dun


MANAGING DIRECTOR
POWER TRANSMISSION CORPORATION
OF UTTARAKHAND LTD., DEHRADUN

**BEFORE THE UTTARAKHAND PRADESH ELECTRICITY REGULATORY
COMMISSION DEHRADUN**

File No.....

Case No.....

IN THE MATTER OF: Filing of Annual Revenue Requirement and Tariff
Petition for Power Transmission Corporation of
Uttarakhand Ltd for FY 2011-12.

AND

IN THE MATTER OF

Power Transmission Corporation of Uttarakhand Ltd.,

7 B, Vasant Vihar Enclave, Street 1, Dehradun..... **Petitioner**

- 1 **Specific Legal Provisions under which the Petition is being filed** : This Petition is being filed under Section 64 (1) of the Electricity Act, 2003, Regulation 56 of UERC (Conduct of Business) Regulations, 2004 and Section 1 of Chapter 4 of the Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2004
- 2 **Limitation:** The Petitioner declares that the petition is within the period specified in the Honourable Uttarakhand Electricity Regulatory Commission's Conduct of Business Regulations, 2004.
- 3 **Facts of the Case:** The Petitioner has requested the Honourable Uttarakhand Electricity Regulatory Commission (herein after referred as "Honourable Commission)to kindly approve its Annual Revenue Requirement of Rs. 25270.00 lakhs for FY 2011-12 in accordance with the Honourable Commission's Terms & Conditions for Determination of Transmission Tariff, dated 25th August, 2004.
- 4 **Cause of Action:** The Petitioner has presented an Annual Revenue Requirement of Rs. 25270.00 lakhs for FY 2011-12 for the kind approval of the Honourable Commission. The transmission tariff sought for approval by the Honourable Commission is Rs 105.86/kW/month according to applicable contacted/ allocated capacity.
- 5 **Ground of Relief:** The existing tariff as per the Honourable Commission's Order for PTCUL for FY 2010-11 if made applicable over FY 2011-12, the shortfall in ARR will be to the extent of Rs. 11934.89 lakhs for FY 2011-12.
- 6 **Detail of Remedies Exhausted:** The Petitioner declares that he has availed all the remedies available to him under the relevant provisions of applicable law and rules/regulations framed there under.

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**MANAGING DIRECTOR
POWER TRANSMISSION CORPORATION
OF UTTARAKHAND LTD., DEHRADUN**

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7. **Matter not previously filed or pending with any other court:** The Petitioner 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 court or any other authority, nor any such writ petition or suit is pending before any of them.
8. **Relief Sought:** The petitioner has sought an Annual Revenue Requirement of Rs.25270.00 lakhs for FY 2011-12 for the kind approval of the Honourable Commission. The transmission tariff for FY 2011-12 sought for approval by the Honourable Commission is Rs.105.86/kW/month according to applicable contacted/ allocated capacity.

9. **Interim Order, if any, prayed for**

10. **Details of Index:**

I. Main Text and Formats of PTCUL's Annual Revenue Requirement and Tariff Petition for FY 2011-12.

II. Annexures.

11. **Particulars of fee:**

- (a) **Amount :** Rs. 1,00,000.00
- (b) **Demand Draft No :** 395774
- (c) **Dated :** 26.11.2010
- (d) **In favour of :** SECTY , U.E.R.C., DEHRADUN
- (e) **Issuing Bank :** Punjab National Bank , Indira Nagar Branch (Dehradun)

12. **List of enclosures:**

1. Main Tariff Petition & Formats of PTCUL's Annual Revenue Requirement and Tariff Petition for FY 2011-12
2. Form -2
3. Demand Draft (D.D. No : 395774)
4. Annexure I
5. Annexure II
6. Annexure III
7. Annexure IV
8. Annexure V

**MANAGING DIRECTOR
POWER TRANSMISSION CORPORATION
OF UTTARAKHAND LTD., DEHRADUN**

9. Annexure VI
10. Annexure VII
11. Annexure VIII
12. Annexure IX
13. Annexure X
14. Annexure XI

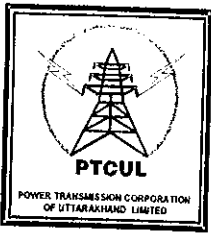


(Signature of the Petitioner)

I, Jag Mohan Lal (S/o) Late Shri Khushi Ram, aged 61.years working as Managing Director, resident at 49/2/2, Teg Bahadur Road, Dehradun, do verify that the contents of the Page No. 1 to 62 are true to my personal knowledge and Page no.1 to 62 are derived from official records, which are true from record, and para 1 to 62 are believed to be true on legal advice and that I have not suppressed any material fact.



(Signature of the Petitioner)



Power Transmission Corporation of Uttarakhand Ltd.

पावर ट्रांसमिशन कारपोरेशन ऑफ उत्तराखण्ड लि०

Tel: 0135-2762473,2762472

Fax : 0135-2762460

Dated: 29/11/2010

Extract of Minutes of the 28th Board Meeting of Power Transmission Corporation of Uttarakhand Limited held on 25th November, 2010

ITEM NO: 28.02 : To consider "Aggregate Revenue Requirement" (ARR) of PTCUL for the Financial Year 2011-2012 to be filed with Uttarakhand Electricity Regulatory Commission (UERC).

The Board deliberated and considered the "Aggregate Revenue Requirement" (ARR) of PTCUL for the Financial Year 2011-2012 to be filed with Uttarakhand Electricity Regulatory Commission (UERC) and passed the following resolution :

"RESOLVED THAT the ARR and Tariff petition for the Financial Year 2011-2012 filed with UERC is hereby approved."

"FURTHER RESOLVED THAT Managing Director/Director is hereby authorized to sign, execute such deeds, documents and other writings as may be necessary or required for the purpose of filing of ARR and Tariff petition for the Financial Year 2011-2012 with UERC."

Certified True Copy,

(S.K. Tomar)
Company Secretary

**Power Transmission Corporation
of Uttarakhand Limited**

Annual Revenue Requirement & Tariff Petition

FY2011-12

Main Text and Formats

Submitted to

Uttarakhand Electricity Regulatory Commission,

Dehradun

By

Power Transmission Corporation of Uttarakhand Limited

Dehradun

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PTCUL ARR & TARIFF FY12

DEFINITIONS

Act/the Act	Electricity Act, 2003
Application/ Petition	This ARR and Tariff Application for FY12 for Power Transmission Corporation of Uttarakhand Limited, Dehradun
Central Sector Generating Station (CGS)	A Central generating station in which two or more than two States have a share and whose scheduling is to be co-ordinated by the NRLDC
Distribution Company / Discom	Discom or Distribution Company shall mean a company engaged primarily in the business of distribution & supply of electricity in its area of supply. It is used to refer to Uttarakhand Power Corporation Ltd. (UPCL).
Extra High Voltage (EHV)	Nominal voltage levels of higher than 33 kV.
Last Tariff Order	Tariff Order of Uttarakhand Electricity Regulatory Commission for 2010-11 dated April'2010 pertaining to Power Transmission Corporation of Uttarakhand Limited.
Northern Region / Region	Region comprising of the States and Union Territory of Haryana, Punjab, Rajasthan, Uttar Pradesh, Uttarakhand, Himachal Pradesh, Delhi, Jammu and Kashmir and Chandigarh.
Regulations	The Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2004 notified by UERC on Oct 9, 2004
State	The State of Uttarakhand.

PTCUL ARR & TARIFF FY12

ABBREVIATIONS

ARR	Annual Revenue Requirement
BPTA	Bulk Power Transmission Agreement
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CGS	Central Generating Station
FRP	Financial Restructuring Plan
FY	Financial Year
FY10	Financial Year 2009-10 or the Previous Year
FY11	Financial Year 2010-11 or the Current Year
FY12	Financial Year 2011-12 or the Ensuing Year
GFA	Gross Fixed Assets
GP	Grade Pay
GoI	Government of India
GOU	Government of Uttarakhand
HV	High Voltage
UPCL	Uttarakhand Power Corporation Limited
PTCUL	Power Transmission Corporation of Uttarakhand Limited
LD/ SLDC	State Load Despatch Centre
MOP	Ministry of Power, Government of India
MU	Million Units
MVA	Mega-volt-ampere
MW	Megawatts
NFA	Net Fixed Assets
NRLDC	Northern Regional Load Despatch Centre
PGCIL	Power Grid Corporation of India Ltd
PLF	Plant Load Factor
PPA	Power Purchase Agreement
R&M	Repairs and Maintenance
ROE	Return on Equity
Rs.	Indian Rupees
SIDCUL	State Industrial Development Corporation of Uttarakhand Limited
UERC/ Commission	Uttarakhand Electricity Regulatory Commission
Transfer Scheme	Transfer Scheme notified by the State Government vide its order no.87/1/2004-06 (3)/259/2002 dated 31.05.2004 for separation of PTCUL from UPCL.

A1: BACKGROUND

- 1.1 Power Transmission Corporation of Uttarakhand Limited (PTCUL) was formed through a Transfer Scheme notified by the State Government vide its order no.87/1/2004-06 (3)/259/2002 dated 31.05.2004
- 1.2 PTCUL was declared by the Government of Uttarakhand (GOU) as the State Transmission Utility (STU) under sub-section (1) of section 39 of the Electricity Act, 2003 vide GOU order no.86/1/2004-06(3)/259/2003 dated 31.05.2004 as well as the State Load Despatch Centre under sub-section (1) of section 31 of the Electricity Act, 2003.
- 1.3 PTCUL is filing this Tariff Petition & the Annual Revenue Requirement (ARR) for the Financial Year 2011-12 in accordance with the Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Transmission Tariff) Regulations , 2004 (herein after referred as Tariff Regulations) notified by the Honourable Commission on 24th August , 2005.

A2: PTCUL'S PROGRESS SO FAR & DEVELOPMENT PLANS AHEAD

Large Capacity Additions in PTCUL's transmission system during FY11 & FY12.

2.1 As evident from the Table 1 presented below, PTCUL's operations are set to take a quantum leap from FY11 onwards on account of huge increase in its transmission capacity being planned during FY10 and FY11.

Table 1 : Growth in PTCUL's Transmission Capacity

Details of PTCUL's Transmission System	As on 31.03.2005 (Actual)	As on 31.03.2010 (Actual)	As on 31.03.2011 (Estimated)	As on 31.03.2012 (Estimated)	% Increase (from FY 05 to FY 12)
Number of Substations	21	33	34	36	71%
Transformation Capacity (MVA)	2467.5	4813.5	4973.5	5441.5	121%
Transmission Lines (Ckt. Kms.)	1626	2478.46	2545.00	2653.58	63%

Capital Works under Old REC Scheme (REC I and III Scheme)

2.2 In FY03, the erstwhile Uttarakhand Power Corporation Limited (UPCL) identified twenty two (22) system improvement schemes for augmentation and construction of 220/132, 220/33 & 132/33 KV sub-stations and related lines of transmission circles of Roorkee , Dehradun and Haldwani. Out of the 22 sanctioned schemes 3 schemes were deleted later on.

2.3 Rural Electrification Corporation Ltd. (REC) approved a loan of Rs.13942.36 lacs for the aforesaid schemes which were estimated to cost Rs.16575.00 lacs (FY03 levels); with Government of Uttarakhand committing to fund the remaining cost of the scheme, i.e. Rs.2632.64 lacs making Debt: Equity structure of the scheme as 84:16. The capital works under the scheme was also approved by the Honourable Commission.

2.4 Following the transfer of transmission business from UPCL to PTCUL; PTCUL undertook the task of completing capital works envisaged under the Scheme. With debt funding from REC and counterpart equity funding from GoU over the past years, 14 Projects have already been completed and the assets put to commercial operation by the end of FY10. Work is in progress on 5 Projects which are planned to be completed during the Current Year and Ensuing Financial Year as also detailed in Format 1.3.1.

PTCUL ARR & TARIFF FY12

- 2.5 It would be pertinent to mention here that the total cost of the Scheme has been revised on account of actual survey and the quantum of work necessary for execution of the schemes. Total revised cost of the sanctioned schemes is Rs. 30603.18 lacs for the above 19 schemes. PTCUL has approached REC (REC III Scheme) to provide debt funding for the additional cost in the debt equity ratio of 70:30 and that the GoU would also provide equity funding for the remaining cost. REC, vide its sanction letter no. REC/POL/Uttarakhand/Sanction/2009-10/377 dtd. 17.12.2009 (copy enclosed at Annexure – I) has approved and sanctioned the Additional Loan Amount of Rs.110.80 crores with the debt equity ratio of 68.02: 31.98. The overall Debt Equity Ratio, after the additional loan amount, is however, comes to 75 : 25

Capital Works under NABARD Scheme

- 2.6 The Government of Uttarakhand had approached National Bank for Agriculture and Rural Development (NABARD) during FY 2003-04 for providing loan assistance under the Rural Infrastructure Development Fund– IX for twenty one schemes costing Rs.22593.00 lacs for system improvement and capacity additions across different parts of the state. NABARD sanctioned a loan of Rs.17645.91 lacs for the aforesaid schemes with the remaining cost to be funded by the GoU resulting in the Debt: Equity structure of the scheme as 78: 22. The capital works under the scheme have also been approved by the Honourable Commission.
- 2.7 However, out of the above 21 schemes 6 schemes having the project cost of Rs.3131.00 lacs were deleted later on vide GoU letter no. 581-II/I(2)/2007-06(1)/27/Bhag-II/2003 dated 20.7.2007
- 2.8 It would be appropriate to mention here that work has been completed on all the remaining 15 schemes during FY08.
- 2.9 PTCUL would like to submit that the total cost of the above Schemes were later on revised to Rs. 30471.74 lacs which has been sanctioned by NABARD in the same ratio as the earlier funding and that the GoU has also provided the counterpart funding by way of equity for the remaining cost.

Capital Works under New REC Scheme (REC –II Scheme)

- 2.10 As outlined in the PTCUL's Vision Statement, strengthening the existing transmission system is one of the key functions of PTCUL. In pursuit of the same, PTCUL had identified twenty two schemes during FY 2005-06 aiming to augment and strengthen the existing state transmission system.
- 2.11 PTCUL had approached REC to fund the aforesaid twenty two schemes costing Rs.21755.62 lacs, in response to which the financial institution (REC) granted the approval to fund the entire cost of the schemes. In this context, PTCUL would like to submit that it has received loan sanction letters for the entire loan from REC and that two loan agreements for amount totalling Rs. 21755.62 lacs have already been signed between itself and REC in this regard.

PTCUL ARR & TARIFF FY12

- 2.12 PTCUL would like to hereby submit that the work has been started on all the twenty two schemes and 11 schemes have already been completed by the end of FY 10 of the remaining 11 schemes, 4 are likely to be completed during the current FY11 and 5 schemes during the ensuing FY12. Two projects are likely to be deleted.

Capital Works under REC-IV Scheme

- 2.13 In continuance of its pursuit of its Vision Statement, PTCUL is in process of developing and constructing various new transmission projects including augmenting and increasing its transmission capacity in the State of Uttarakhand, For this purpose PTCUL has identified twenty three schemes during FY08 with the total capital outlay of 33811.61 lacs and approached REC for its funding. REC has approved the scheme for 23643.64 lacs consisting of loan component of Rs. 16550.48 lacs and the balance amounting to Rs. 7093.10 lacs as equity to be funded by GOU. Sanction letter enclosed at Annexure -II
- 2.14 The debt-equity structure of the scheme is 70:30.
- 2.15 PTCUL would like to hereby submit that, out of the total 23 projects, 3 projects have already been completed till the end of FY10, 8 Projects are likely to be completed during the FY11. 8 Projects are also expected to be completed in FY 12. Remaining Projects in subsequent financial years.
- 2.16 It may be pertinent to mention here that 132 KV RBNS-Laksar lines along with Bay which have already been constructed and energised during FY08 using the internal resources of the firm are also included under REC-IV works. The expense incurred on these lines is claimed as reimbursement under REC-IV scheme.
- 2.17 This loan is crucial to the current capital works undertaken by PTCUL. PTCUL would draw debt under this scheme during the Current Financial Year and the Ensuing Financial Year as detailed in Formats 1.3.3 and will have to start serving the Interest Cost under this scheme from the Current Year itself. As also detailed in the Formats 3.4 the interest outgo during FY11 and FY12 under this scheme is estimated to be Rs. 273.00 lacs and Rs. 970.00 lacs respectively (including IDC).
- 2.18 In the light of above cited facts, PTCUL hereby requests the Honourable Commission to kindly grant approval to REC-IV Scheme and allow the Interest and Other Expenses under this Scheme as part of ARR for FY12.

Capital Works under REC-V Scheme

- 2.19 In order to cater to the increasing load in Dehradun & Kashipur and nearby industrial areas, PTCUL is in process of developing and constructing various new transmission projects including augmenting and increasing its transmission capacity in the State of Uttarakhand. For this purpose PTCUL has identified 5 Projects during FY09 with the total capital outlay of 15069.01 lacs. The scheme was approved by REC for Rs. 13793.92 lacs vide sanction letter no. REC/T&D/816 dated 09/09/2010, with Loan amount of Rs. 9665.74 lacs and Equity Rs. 4128.18 lacs, maintaining Debt Equity ratio of 70:30.

PTCUL ARR & TARIFF FY12

- 2.20 The debt-equity structure of the scheme is 70:30.
- 2.21 The Construction of 220 KV S/s Mahuakhera Ganj and is under progress and the same is expected to be completed in FY11.
- 2.22 This loan is crucial to the current capital works undertaken by PTCUL. PTCUL would draw debt under this scheme during the Current Financial Year and the Ensuing Financial Year as detailed in Formats 1.3.4 and will have to start serving the Interest Cost under this scheme from the Current Year itself. As also detailed in the Formats 3.4 the interest outgo during FY11 and FY12 under this scheme is estimated to be Rs. 397.00 lacs and Rs. 838.00 lacs respectively (including IDC).

Capital Works under PFC Scheme

- 2.23 The Projects under this scheme are being constructed to evacuate the Power from various Generating Projects awarded to companies from Central, State and Private Sectors. However, one of the Project, LILO of 220 KV D/C Roshanabad – Roorkee Line at 400 KV S/s Puhana, is not intended to be covered under UIT Project. The Project cost is Rs. 7.44 lacs and the same has been sanctioned by PFC with the Debt Equity Ratio of 70:30.

Setting up the State Load Dispatch Centre (SLDC)

- 2.24 Setting up an SLDC was emphasised by PTCUL in its Tariff Petition for FY08 and was included in the planned works under the New REC Scheme. The Honourable Commission in its Tariff Order for PTCUL for FY 2006-07 had also acknowledged PTCUL's concern for setting up the SLDC but has pointed out that PTCUL had not earmarked any expenditure for the same.
- 2.25 PTCUL feels that setting up an SLDC is one of the most urgent requirements and in light of the considerable effort and time that would be needed to set up the same; it has planned to start work on it in the Current Year itself. The scheme involving setting up of the SLDC and the associated works is one of the nineteen schemes being proposed during the New REC Scheme. As per directives of UERC the amount of SLDC has been segregated from PTCUL's accounts, the same has been audited and the report has been submitted to Hon'ble Commission vide letter no. 1173/MD/PTCUL/UERC dated 04.09.2010.

UITP Projects

- 2.26 PTCUL proposes to undertake various power evacuation projects with funding from ADB, PFC and other FI's. These projects are ring fenced from State transmission projects and expenses incurred on these projects have not been included in the present ARR. The cost incurred on implementation of these projects will be recovered separately by way of transmission charges from the respective generators.

A3: WITH HOLDING OF INVESTMENTS FOR WANT OF CLEARANCE CERTIFICATE OF ELECTRICAL INSPECTOR

- 3.1 The Hon'ble Commission while approving the ARR & Tariff Petition for FY10 has disallowed the investments on Gross Fixed Assets for the FY08, FY09 and FY10 on the completed works for which clearance certificate of Electrical Inspector to Govt. had not been provided. The Hon'ble Commission has also issued directives to provide the certificates of Electrical Inspector to Govt. in respect of the works which were completed during these year(s) within three months of Tariff Order dated October 21, 2009. In compliance of the directives of the Hon'ble Commission, all of the certificates have since been obtained from the Electrical Inspector to Govt. which is annexed herewith in (Annexure – III).

In this context, it is worth mentioning that the Electrical Inspectors clearance is mandatory for the safety factor for which the proper earthing, requisite ground clearance and phase to phase distance in overhead lines is generally checked for the compliance of Indian Electricity Rules, 1956. Since these factors are duly taken note in the construction of Transmission lines and that the Electrical Inspectors were not properly equipped to conduct proper check of these lines constructed by the licensee, the Govt. of Uttar Pradesh long back delegated to the Engineer officers of erstwhile UPSEB the powers of Electrical Inspector to the Govt. Hence, neither in erstwhile UPSEB nor in UPCL the compliance of seeking clearance of the Electrical Inspector in respect of the works executed by the Licensee was ensured. Since PTCUL is break-away part of UPCL, the same practice continued even after takeover Transmission activities from UPCL on 01.06.2004. Consequent to the directives of the Hon'ble Commission the requisite fee for such inspection was deposited. The petitioner has, in compliance of the Hon'ble Commission's order, obtained all the certificates from the Electrical Inspector and submitted to the UERC, which are also incorporated in Annexure III.

Expenditure disallowed in ARR of FY 11

REC Old Scheme:

- 3.2 The Hon'ble UERC has disallowed the 100% of the expected cost of completion Rs. 16.88 Cr on the ground of non submission of the Electrical Inspector's Certificate. The Electrical Inspector Clearance Certificate is already been obtained. The Hon'ble UERC is therefore requested to re-consider the matter and allow Rs. 16.88 Cr for cost of the Construction of 132 KV Substation at Satpuli.

REC New Scheme:

- 3.3 The Hon'ble UERC has disallowed the expenditure for 3 Projects on the ground of not obtaining the Electrical Inspector's Certificate. Electrical Inspector's Certificates have, however, now been obtained for these Projects. The Hon'ble UERC may hence please allow the capitalization of these Projects:

(Rs. Crore)

S.No.	Name of the Projects	Amount Disallowed	Date of Electrical Inspector's Certificate
1	Construction of 4 Nos. Bay at 132 KV Substation Kotdwar.	3.43	14.09.2009
2	LILO of 132KV Kashipur-Jaspur Line at 400 KV S/S Kashipur	1.44	08.04.2010
3	LILO of 132KV Kashipur-Ramnagar Line at 400 KV Substation Kashipur	0.93	08.04.2010
TOTAL		5.80	

NABARD Scheme:

- 3.4 This Scheme consists of 15 Projects for a Total cost of Rs. 194.63 Cr (Revised Cost Rs. 304.85 Cr) as approved by the Hon'ble UERC.
- 3.5 In the ARR for FY 2010-11, PTCUL has claimed the Capital Expenditure (including additional capitalization and IDC) for Rs. 293.88 Cr, while, Hon'ble UERC has allowed Rs. 156.80 Cr only.
- 3.6 Hon'ble Commission has disallowed 50% of the Approved Capital cost of 400 KV Substation Kashipur on the ground of non completion of the associated Transmission Lines, i.e. 220 KV Kashipur – Barhani D/C Line and 220 KV S/C Barhani – Pantnagar Line. It is to inform the Hon'ble Commission that utmost efforts are being made to complete the construction of the above lines at the earliest. Considering the payments of interest and repayment of loans on the funds drawn for the Construction of 400 KV Sub-station Kashipur and its associated transmission line Hon'ble UERC is requested to allow 100% Capitalisation Cost of 400 KV Sub-station Kashipur and associated transmission line for the purpose of tariff.
- 3.7 However, in addition to this Hon'ble UERC has also disallowed the additional capitalization incurred by PTCUL on the other projects under NABARD Scheme. The reasons for non allowance of additional capitalization is however not been mentioned in the Tariff Order. It is to inform the Hon'ble Commission that the additional capitalization for the NABARD Schemes were allowed in the Tariff Orders of 2007-08, 2008-09 and 2009-10. We therefore request the Hon'ble Commission to consider and allow the additional capitalization (including IDC) Rs. 137.08 Crores, as given below:

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(Rs. In Crore)

S.No.	Particulars	Expenditure including Additional Capitalization & IDC, Claimed by PTCUL	Expenditure including Additional Capitalization & IDC, Allowed by UERC	Difference
A	Total of All Projects under NABARD Scheme:	293.88	156.80	137.08
B	400 KV Substation Kashipur:	106.57	44.01	62.56
C	LILO of 400 KV D.C. Rishikesh-Muradabad Line for 400 KV Substation Kashipur:	79.32	40.07	39.25
Total Exp. Disallowed by Hon'ble UERC on Projects under NABARD [A-(B+C)]				35.27

A4: PTCUL'S PROPOSAL FOR PROVISIONAL TRUING UP FOR FY10

- 4.1 The truing-up is based on the basis of provisional accounts for the FY10. After availability of the audited annual accounts, the truing-up petition shall again be filed and it is requested that PTCUL may be allowed to make the adjustments on the basis of audited accounts when the same is completed.
- 4.2 **Fixed Assets:** The gross block of fixed assets have been taken at Rs. 508.00 crores as on 8.11.2001 for undivided UPCL as considered by the Hon'ble commission in the last tariff order. The depreciation has been calculated on the basis of allocated value of Rs. 508.00 Crores to UPCL on 09.11.2001 against which an amount of Rs. 146.14 crores was worked as transferred to PTCUL as on 1.6.2004. If there is any revision in this value of Rs. 508.00 crores, on the finalisation of UPCL's transfer scheme , it is requested that PTCUL may be allowed to submit a revised claim
- 4.3 **Depreciation:** The depreciation has been calculated as per the actual capitalisation of assets. In the provisional accounts for the FY10 the assets has been capitalised from the date of energization/put to use and depreciation has accordingly been calculated on pro-rata basis.
- 4.4 **Operation & Maintenance Expenses:** There has been a deficit of Rs.628.00 Lacs during the FY10 under this head.
- 4.5 **Return on Equity:** Return on equity has been calculated on the projects for the date of Capitalisation. The details of calculation have been enclosed in Annexure-IV Deficit on this account amounts to Rs. 1462.00 lacs
- 4.6 **Interest during Construction & Interest Charged to Revenue:** The interest during construction and interest charged to revenue has been enclosed in Annexure-F. The interest during construction for FY10 is Rs. 846.00 lacs and interest charged to revenue is Rs. 2464.00 lacs. The interest upto the date of Energization of Assets has been capitalised and after the date of capitalisation, it has been charged to revenue.
- 4.7 **Non-tariff Income:** The actual non-tariff income for the FY10 comes to Rs. 286.00 lacs as against Rs. 625.00 lacs allowed by the Hon'ble Commission.

Table 1(a): Summary of Truing-up Petition for the FY 2009-10:

S. No.	Item	Amount as per Approved ARR	FY 10 (Actual)	Surplus/ (Deficit)
1	O & M Exp.	5814.00	6442.00	-628.00
2	Depreciation	1557.00	1779.00	-222.00
3	Advance Against Depreciation	1426.00	1204.00	222.00
4	Interest on Long Term Loans	1732.00	2464.00	-732.00
5	Interest on Working Capital(Normative)	336.00	336.00	0.00
6	Return on Equity	13.00	1475.00	-1462.00
7	Net Expenditure	10878.00	13700.00	-2822.00
8	<i>Less: Non Tariff Income</i>	625.00	286.00	339.00
13	Net Surplus/ Deficit	10253.00	13414.33	-3161.00

A5: ANNUAL REVENUE REQUIREMENT FOR FY11 & FY12

Fixed Assets, Capital Expenditure and Depreciation

5.1 The basis for Fixed Assets in the petition is the following:

- (a) Assets finalized as per the provisional balance sheet of PTCUL for FY10 are considered the opening balance for FY11. Provisional Transfer Scheme between UPCL & PTCUL has been used to prepare PTCUL's Provisional Balance Sheet for FY 05, which in turn has been used for preparing the Provisional Balance Sheet for FY06, FY07, FY08, FY09, FY10 and FY11.
- (b) Detailed Capital Expenditure Plans have been drawn up for the Current Year and Ensuing Year. This is under the following major heads:
 - (i) Capital Works funded by REC under Old REC Scheme, structured with 84% loan funds and 16% counterpart equity contribution from GoU. The additional cost due to cost escalation shall be in the debt : equity ratio of 68.02 : 31.98. The overall Debt Equity Ratio, after the additional loan amount, is however, comes to 75:25. Effective interest rate for such loans is 10.75% per annum.
 - (ii) Capital Works to be totally funded by REC under New REC Scheme. Effective interest rate for such loans is 10.75% per annum
 - (iii) Capital Works to be funded by REC under REC-IV Scheme, structured with 70% loan funds and 30% counterpart equity contribution from GoU. Effective rate of interest considered for such schemes is considered to be 11.00% per annum as per sanction letter of REC.
 - (iv) Capital Works to be funded by REC under REC-V Scheme, structured with 70% loan funds and 30% counterpart equity contribution from GoU. Effective rate of interest considered for such schemes is considered to be 11.00% per annum as per REC norms.
 - (v) Lines and bays to be built as part of deposit works as detailed in Format 1.3.6.
 - (vi) Certain Civil Works to be executed by PTCUL, by utilizing GoU equity funds and internal resources as detailed in Format 1.3.7.
- (c) Capital projects already commissioned in the Current Year and scheduled for commissioning in the Current as well as Ensuing Years are accounted for in the Capital Expenditure plans and transferred to Fixed Assets in the corresponding years.

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- 5.2 Format 1.1 and 1.2 outline the Fixed Assets and Capital Works in Progress for the Last, Current and Ensuing Financial Years. Format 1.3.1 to 1.3.8 are supporting statements of detailed capital expenditure plans for the current and ensuing financial years under various schemes as outlined above in addition to the IDC and Depreciation charge thereon.
- 5.3 Depreciation has been computed on the rates provided for in UERC Tariff Regulations, 2004 and for the Ensuing Year has been applied on the pro-rata basis as provided in the regulations for different blocks of Fixed Assets during FY11 and FY12. This is enclosed in Format 2.1 of this petition.

The depreciation charge for FY12 is accordingly estimated at Rs. 3695 lacs.

Interest & Finance Charges

- 5.4 PTCUL's provisional accounts for FY10 provide for Secured Long-term Loans of Rs. 45568 lacs as on 31.03.2010 which pertains to transmission projects clearly identified against Old REC, New REC, PFC and NABARD Schemes.
- 5.5 On the basis of long-term liabilities identified in the provisional accounts for FY10 and fresh loans drawn in the Current Financial Year and projected over the remainder of the Current Financial Year and the Ensuing Financial Year under the Old REC, New REC Schemes, REC-IV and the PFC scheme; the interest charges have been estimated at Rs. 5257.00 lacs for FY11 and Rs. 6835.00 lacs for FY12 including IDC.
- 5.6 As per Accounting Standard (AS)-16 on Borrowing Cost which requires that interest during construction (IDC) to be capitalised in case of qualifying assets, petitioner has calculated interest during construction (IDC) on various on-going schemes upto the date of their projected capitalisation . IDC amounts to Rs. 2328.00 lacs for FY11 and Rs. 2786.00 lacs for FY12. Related details are enclosed in Format 3.4 of this Petition along with Formats 1.3.1 to 1.3.7.

Table 2: Interest and Finance Charges for PTCUL

Particulars (Rs. Lacs)	Revised Estimate for FY11	Estimated Charges for FY12
Interest Charges	5257.00	6835.00
Interest Capitalized for the year	2328.00	2786.00
Interest Charged to Revenue Account of PTCUL	2929.00	4049.00

O & M Expenses

- 5.7 The Operation and Maintenance Expenses of PTCUL are treated in three parts – Employee Costs, Administrative and General (A&G) Expenses and Repairs and Maintenance (R&M) Expenses in the following sections.

Employee Costs

5.8 The employee cost for existing employees and new recruitments differ significantly in terms of terminal benefits and other emoluments. Therefore, the Employee Cost for FY10 has been computed in two parts as summarised in Format 3.1.1.

- (a) Employee Cost for existing 913 employees (as on 31.9.2010) for FY11.
- (b) Additional Employee Cost for new recruitments (60 employees).

Employee Cost for existing employees.

5.9 The detailed methodology adopted in estimating the employee cost for the existing employees under the different heads based on actual expenditure incurred in FY11 upto September 30,2010 is as follows :

- (a) **Salaries :** Employee Cost under the head “Salaries” (which includes an employee’s Basic Salary and GP) for FY10 (as per the year’s Provisional Accounts) is increased by 3% + GP pay effect to account for annual increments to give the estimated cost under this head for FY11 ; which is also escalated by 3 % to give the cost under this head for FY12.
- (b) **Dearness Allowance (DA):** As per the GoU rules, the expense under this head is paid to employees as a fixed percentage of the Basic Salary and GP. DA is normally hiked twice a year and is linked to the inflation rate in the country. Based on the figures available the average DA rate is estimated to be 50% for FY 10-11 and 60% for FY 11-12 and these rates are used for calculation of DA expense during the respective years.
- (c) **Employer’s Contribution towards Pension & Gratuity:** As per as GoU rules, the expense under this head is 19.08 % of the Basic Salary, GP and DA. However, it may be noted that contribution towards Pension is made in case of only those employees who were in the employment of erstwhile UPSEB at the time of unbundling as on 14.1.2000. This expense for the current year is computed on the basis of actual expenses booked during the current year. For ensuing FY12 the expense is escalated by 3% increment cost and 10% DA cost and others in the salary increasing rate.
- (d) **Employer’s Contribution towards EPF:** As per the GoU rules, the expenses under this head is 13.61% (including Employer share 12%, administration charges of 1.11% and Deposit Linked Insurance of 0.50%) of the Basic Salary, DAP and DA. This expense is incurred in case of those employees who are recruited after 14.1.2000. The expense under this head is computed by escalating actual expense on this account by salary increasing rate in case of existing employee for ensuing year.
- (e) **Employer’s Contribution towards Leave Encashment:** As per as GoU rules, the expense under this head is 11.00 % of the Basic Salary, GP and DA. However, no provision is made in case of new employees. Hence this expense

for FY12 is computed as 11.00 % of the Basic Salary and GP for existing employees; computation of which has been detailed above.

- (f) **Other Heads :** The actual cost incurred by PTCUL during FY10 (as per the year's Provisional Accounts for FY10) under the remaining heads as outlined in Format 3.1.1 has been escalated on a normative basis by salary increasing rate each year to estimate the expenses under these head

Additional Employee Cost for fresh recruitments

5.10 The methodology adopted in estimating additional employee cost is detailed in the following paragraphs. For estimating the additional cost, the different heads of employee expenses have been divided into following broad categories :

- (a) Employee expenses which can be linked to the Pay scale Grades under heads such as "Salaries", "Grade Pay", "Dearness Allowance", "Employer's Contribution towards Pension & Gratuity", "Employer's Contribution towards Leave Encashment" and "Bonus".
- (b) Employee expenses which cannot be linked to the Pay scale Grades under heads such as "Other Allowances", "Medical Expenses Reimbursement", "Employer's Contribution towards EPF" and "Other Cost";

Calculation of Additional Employee Cost under the heads mentioned in 5.10(a)

5.11 Pursuant to the recruitment of additional employees, for every head of employee expense under this category, the increase/ decrease in expense is calculated at each Pay scale Grade which is then aggregated to give the increase/ decrease in employee expense under the particular head for the whole Organisation.

5.12 In this regard, the new recruitment schedule of 60 Employees is compared with the existing no. of employees, 913, to give effect to the increase / decrease in number of employees at each Pay scale Grade. The increase / decrease in employee expense under different heads as referred above is then computed as follows :

- (a) **Basic Salary:** The initial of pay scale is taken in case of new recruitments for obvious reasons, which is then multiplied by 3 to give the average Annual Basic Salary of an employee in each Pay scale Grade; which is further multiplied by the increase/ decrease in employees in the corresponding Pay scale Grade to give the increase/ decrease in expense under this head at each pay scale grade.
- (b) **Grade Pay (GP):** The initial of Grade Pay is taken in case of new recruitments for obvious reasons, which is then multiplied by 3 to give the average Annual Basic Salary of an employee in each Pay scale Grade; which is further multiplied by the increase/ decrease in employees in the corresponding Pay scale Grade to give the increase/ decrease in expense under this head at each pay scale grade.

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- (c) **Employer's Contribution towards EPF and Gratuity:** As per the GoU rules, the expenses under EPF is 13.61% (including administration charges of 1.11% and DLI of 0.50%) and 15 days salary (BP+GP+DA) under Gratuity.

Calculation of additional Employee Cost under the heads mentioned in 5.10(b)

- 5.13 Pursuant to the fresh recruitment, the additional employee cost under the heads referred above is calculated as follows :
- (a) The estimated employee cost for FY12 under these heads for the existing employees as detailed in Format 3.1.1 is divided by the existing strength (i.e. 1016) to arrive at the per employee cost under each head
- (b) The per employee expense under each head as computed above is multiplied by 128 (increase in employee strength) to arrive at the total additional employee expense under these heads for FY12
- 5.14 A proportion of the employees cost thus arrived are charged to projects to arrive at the net employee cost to be charged to revenue. Actual employee cost charged to projects during the first eight months forms the basis for estimating the employee cost to be capitalised during the current year and ensuing year.

Impact of 6th Pay Commission

- 5.15 The recommendations for the 6th pay commission have already been approved and implemented by State Government. The recommendations of 6th pay commission have been implemented by PTCUL w.e.f. 01.06.2006.
- 5.16 Accordingly, the petitioner has calculated the impact of 6th Pay Commission arrears from 1.1 2006 to 31.3.2012, the amounts due in FY 10 and FY 11 has already been paid to Employees account. The 30% of which is due in FY12, amounts to Rs. 679.00 lacs as detailed in Format 3.1.2.
- 5.17 The estimated Employee Cost for FY12 is summarised in the following table :

Table 3: Summary of Employee Costs

Computation of Employee Cost for FY12	Amount (Rs. Lacs)
Estimated Employee Cost	6163.00
Less :Expenses Capitalized (excluding UITP)	882.00
Net Employee Cost for 2010-11	5282.00
Arrears of VI Pay Commission	679.00
Less: Salary of UITP Projects	234.00
Total Employees Cost chargeable to Revenue	5726.00

Administrative & General (A&G) Expenses

5.18 PTCUL has estimated the A&G Expenses for FY12 to be Rs. 1537.00 lacs, the details of which have been summarised in the Format 3.2

5.19 PTCUL has estimated A&G expenses for FY12 on the basis of estimated expenses during FY11 which are then escalated on the normative basis. The A&G expenses for FY11 are estimated on the basis of actual expense under the head during the FY10 and actual expenditure upto September'09.

- (a) Expenditure for FY12 under heads such as "Rents, Rates & Taxes", "Insurance", "Electricity & Water Charges" and "Printing & Stationery" are estimated on the basis of actual expenditure incurred under these heads during FY10 and first half of FY 10-11. The expenditure incurred during FY12 is escalated by 6.49 % and expenses of new employees (to account for inflation factor as approved by Hon'ble Commission in Tariff Order of FY11) to arrive at estimated expenditure for FY12.
- (b) Expenditure for FY12 under heads such as "Telephone, Postage & Telegrams", "Conveyance & Travelling" are first escalated by 6.49% on the basis of actual expenditure incurred under these heads during FY11 and since these expenses are directly linked to the number of employees are then hiked to give effect for the additional recruitment during current year and ensuing year.
- (c) It has been assumed that the expenditure under remaining heads such as "Legal Charges / Registration Fees", "Gaurantee Fees", "Audit Fees", "Consultancy Fees" "Advertisement" and "Training" for any forthcoming year cannot be estimated on the basis of actual expenditure incurred in any previous year. The expenses under these heads are linked to business and commercial activities during the year.

Likewise, PTCUL has estimated expenses for FY12 under the other heads on the basis of the related activities it foresees to undergo during FY11. It has to be noted herein that though PTCUL incurred a very lesser expenditure on Training during FY10, it estimates that these expenses would rise significantly during FY11 and FY12 on account of the increase in the related activities.

PTCUL has a training policy which is approved by BOD and the aim of this policy is poised for a strong growth trajectory & multifarious challenges so far as augmenting transmission capability, implementing an externally-funded integrated transmission system of timely evacuation of surplus power, strengthening the O&M are concerned. In order to achieve such strategic objectives in terms of putting a robust transmission system in place within cost, time & quality parameters, the standing committee formed under the chairmanship of Joint Secretary (Training & Research), Ministry of Power (GOI). The basic philosophy behind the policy is to conduct training at regular

intervals to enable the employees to develop potential & contribute their best to the organization with an ultimate goal of customer satisfaction, ensure reduction in cost of delivered power and its reliable & quality at the higher levels of efficiency & accountability. The essence of this policy is to develop consensus among all organizations to adopt a written training policy to ensure training for the personnel for a minimum period of one week annually for each employee. (copy of Training policy for PTCUL enclosed **Annexure -V**).

Apart from the above, the Petitioner has also made a payment of Rs. 537 lacs to UERC as licence fees for FY11 which is also included in the A&G Expenses. PTCUL has also made a provision for Licence Fee to be paid to UERC for FY12 to the tune of 565 lacs. No Capitalisation of Licence Fees has been done because the same is paid on the basis of quantum of energy handled by the system of Licensee and is therefore not attributable to Capital- work- in Progress.

- 5.20 A proportion of the A&G expenses thus arrived are charged to projects to arrive at the net A&G expenses to be charged to revenue. Actual A&G expenses charged to projects during the first eight months forms the basis for estimating the employee cost to be capitalised during the current year and ensuing year.

Repairs and Maintenance Expenses

- 5.21 PTCUL's existing transmission system is a legacy of undivided Uttar Pradesh and is ageing and inadequate. Of the 33 existing sub-stations of PTCUL, 10 sub-stations are over 25 years old including 3 sub-stations over 35 years old.
- 5.22 Hon'ble commission has directed the Petitioner to start maintaining its O&M Expenses, separately for lines & bays (sub-stations). It may be noted that at present the State Transmission system of the State is not in a position to implement the CERC norms in to. However, the petitioner has commenced exercise to bring its assets to the required level of CTU. For this purpose the petitioner has budgeted the comprehensive repair & maintenance expenses for the FY11 and FY12.
- 5.23 As can be inferred from the Table 1, PTCUL's transmission system is set to undergo significant additions during FY11 and FY12. This clearly points out that the Routine R&M Expenses which PTCUL would incur during the Current and the Ensuing Financial Year would be significantly higher than the previous years.
- 5.24 To have a realistic estimate of the Routine R&M expenses for the entire state, PTCUL carried out an in house exercise of estimating this expense upto the division level. The exercise has been tabulated in the budget for the FY11, which has been approved by the Board of Directors of the corporation. The total estimated expense for routine Repair & Maintenance Expenses for the FY11 has been estimated to be Rs. 1957.00 lacs.

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5.25 Therefore, for the current FY11 the budgeted R&M expenses are proposed amounting to Rs. 1957.00 lacs. During the ensuing FY12, is proposed to be incurred amounting to Rs. 2909.00 lacs after increasing the R&M expense amount of FY 11 in proportion of the increase in Gross Block from FY11 to FY 12. The estimated Routine R&M expenses for FY11 and FY12 has been summarised in Formats 3.3.1 and 3.3.2

Total O&M Expenses

5.26 Total O&M expenses estimated for FY11 and FY12 are as follows:

Table 4 : Summary of O&M Expenses

Particulars (Rs. Lacs)	Revised Estimates for FY11	Proposed for FY12
Employee Expenses	5105	6163
Administrative & General Expenses	1626	1903
Repairs and Maintenance	1957	2909
Arrear of 6 th pay commission	484	679
<i>Less Expenses Capitalised</i>	1325	1482
Total O&M Charged to Revenue	7847	10172

Interest on Working Capital

5.27 Working capital, as per regulations is to cover for the following:

- (a) O&M Expenses for 1 month
- (b) Cost of spares at the rate of 1% of historical cost; and
- (c) 2 months of receivable

5.28 Accordingly, Working Capital requirement works out to Rs. 6873.00 lacs for FY12.

5.29 Applying a rate of 10.75 % (SBI short term PLR rate, in accordance with UERC Regulations), the Interest of Working Capital for FY12 is estimated to be Rs. 738.00 lacs. Details available in Format 6.

Non-Tariff Income

5.30 Non-tariff income as per the provisional accounts for FY11 is Rs. 286.26. This is assumed to be Rs. 286.36 lacs during FY12. Details available in Format 5.

Return on Equity (ROE)

- 5.31 Pending finalisation of the PTCUL transfer scheme, equity of PTCUL has not been ascertained by GoU. On finalisation of the capital structure, as part of the finalized Transfer Scheme, PTCUL will apply before UERC for claiming Return on Equity on the transfer value of equity funds.
- 5.32 In the current application, PTCUL is claiming RoE as a part of the ARR for FY12 only on the contribution made by GoU in the following assets:
- (a) Assets capitalised up to 31.03.2010 since the date of transfer, i.e. 01.04.2004: PTCUL's Provisional Accounts from FY05 to FY10 forms the basis for identification of assets capitalised during these years under the different heads.
 - (b) Assets estimated to be capitalised during FY11 : Assets that are likely to be capitalised during the year are detailed in the following Formats :
 - (i) Format 1.3.1 : Old REC Scheme
 - (ii) Format 1.3.2 : New REC Scheme
 - (iii) Format 1.3.3 : REC-IV Scheme
 - (iv) Format 1.3.4 : REC-V Scheme
 - (v) Format 1.3.5 : PFC-II Scheme
 - (vi) Format 1.3.6: Deposit Works
 - (vii) Format 1.3.7 : Civil Works Capex
 - (viii) Format 1.3.8 : Additional Capex under existing schemes
- 5.33 The aforesaid assets and the corresponding equity contribution by GoU in them can be categorised under following heads :

Table 5 : Equity Contribution Details

S.No.	Head	Equity contribution by GoU (%)
1	NABARD Scheme	22%
2	Old REC Scheme	25%
3	New REC Scheme	0%
4	REC-IV	30%
5	REC-V	30%
6	PFC	30%
7	Others	
5(a)	Deposit Works	0%
5(b)	System Strengthening Works Other than Schemes	100%
5(c)	Other Works	100%

5.34 It would be apt to mention herein that GoU has made regular counterpart equity contributions against capital expenditure under Old REC and NABARD Schemes over FY 2004-05 to FY10. Apart from capital works which are supported by debt funding from the financial institutions, PTCUL has also undertaken system strengthening works and other civil works completely by its resources making the equity contribution in such assets to be 100%.

5.35 As detailed in Format 4, the RoE to be allowed as part of ARR for FY12 works out to be Rs. 2450.00 lacs.

5.36 The Hon'ble Commission has however, not allowed the Return on Equity mentioning that the Equity so provided by the GOU is out of the Power Development Funds, realized from the Consumer in form of Cess, etc. In fact, the amount so provided by the GOU is being taken as Equity in the accounts of PTCUL and that as per Generally Accepted Accounting Principles (GAAP), the Petitioner is bound to provide its shareholders the requisite return on the amount invested irrespective of the source, the shareholder has acquired such money. It is also to mention that the Equity is to be infused by the GOU and the sources of funds available with the Government are the funds received from the Public, whether through taxation, cess etc. Had the GOU infused the Equity from sources other than PDF funds, then ROE would have been allowed as per Hon'ble Commission Order. Basically ROE is the Profit that would be reflected in the Profit & Loss Account of the Petitioner, because other expenses are allowed as per actuals. In case ROE is not allowed the Petitioner would never have Profits in its Annual Accounts and on the basis of such Annual Accounts, PTCUL would be unable to get future funding from any Financial Institutions as it would have adverse Accounting Ratios. Moreover, if no surplus is available, PTCUL would have no internal resources for making any improvements and to meet any contingencies. Hence, the ROE is not discriminatory rather mandatory and in case the Hon'ble Commission is of the views not to allow ROE on the Equity Funds provided by GOU out of PDF, at best the Hon'ble Commission may advise the GOU to convert such Equity to Grant, failing which the amount so realised from the consumers will remain constant and will not grow further, if no return is allowed on the same.

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5.37 PTCUL would like to apprise the Honourable Commission of the unforeseen situations that it often faces, many times owing to the fact that a substantial portion of its transmission network is spread across the difficult hilly terrain. In situations mentioned above, PTCUL which has very thin revenues is often faced with shortage of funds to meet such urgent requirements.

Projected Revised Annual Revenue Requirement for FY11

5.38 On the basis of Revised Estimates , the Annual Revenue Requirement for FY11 is as follows:

Table 7: Annual Revenue Requirement for FY11

S. No.	Item	FY 11 (Estimated)
1	Employee cost	5105
2	Arrears of VI Pay Commission	484
3	A & G Expenses	1626
4	R&M expenses	1957
5	Depreciation	1856
6	Advance Against Depreciation	3055
7	Interest on Long Term Loans	5257
8	Interest on Working Capital	404
9	Gross Expenditure	19745
<i>Less</i>	<i>Expense capitalization</i>	
10	Employee cost capitalized	1012
11	Interest capitalized	2328
12	A&G expenses capitalized	313
13	Net Expenditure	16092
<i>Add</i>	<i>Special Appropriations</i>	
14	Provision for Contingency Reserve	
15	Total net expenditure with provisions	16092
16	<i>Add: Return on Equity</i>	1807
17	<i>Add: Income Tax Provisions</i>	
18	<i>Add: Truing up for FY 2009-10</i>	
19	<i>Less: Non Tariff Income</i>	286
20	<i>Less: Government Subsidy/ Grant</i>	
21	Annual Revenue Requirement (ARR)	17612

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Annual Revenue Requirement for FY12

5.39 The Annual Revenue Requirement for FY12 is estimated at Rs. 25270.00 lacs as detailed below:

Table 8: Proposed Annual Revenue Requirement for FY12

S. No.	Item	FY 12 (Projected)
1	Employee cost	6163
2	Arrears of VI Pay Commission	679
3	A & G Expenses	1903
4	R&M expenses	2909
5	Depreciation	3822
6	Advance Against Depreciation	1162
7	Interest on Long Term Loans	6835
8	Interest on Working Capital	739
9	Gross Expenditure	24213
<i>Less</i>	<i>Expense capitalization</i>	
10	Employee cost capitalized	1116
11	Interest capitalized	2786
12	A&G expenses capitalized	366
13	Net Expenditure	19945
<i>Add</i>	<i>Special Appropriations</i>	
14	Provision for Contingency Reserve	
15	Total net expenditure with provisions	19945
16	<i>Add: Return on Equity</i>	2450
17	<i>Add: Income Tax Provisions</i>	
18	<i>Add: Truing up for FY 2009-10</i>	3161
19	<i>Less: Non Tariff Income</i>	286
20	<i>Less: Government Subsidy/ Grant</i>	
21	Annual Revenue Requirement (ARR)	25270

Revenue at Existing Tariff

5.40 The revenue at existing tariff, as per the Hon'ble Commission's Order for PTCUL for FY11 is Rs. 10174.00 lacs.

Capacity to be Handled by PTCUL Transmission System during FY12

5.41 The generation capacity estimated to be handled by PTCUL transmission system during FY12 is summarised below.

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Table 9: Capacity estimated to be handled by PTCUL during FY12

	Generation	Installed Capacity(MW)	Firm Share	UA	Total Share	Uttrakhand'Share(MW)
UJVNL	Dhakrani	33.75	75	0	75	25.31
	Dhalipur	51	75	0	75	38.25
	Chibro	240	75	0	75	180.00
	Khodri	120	75	0	75	90.00
	Kulhal	30	80	0	80	24.00
	Ramganga	198	100	0	100	198.00
	Chilla	144	100	0	100	144.00
	MB-1	90	100	0	100	90.00
	Khatima	41.4	100	0	100	41.40
	Mo.Pur	9.3	100	0	100	9.30
	Pathri	20.4	100	0	100	20.40
	MB-2	304	100	0	100	304.00
	Small HEP	12.2	100	0	100	12.20
NHPC	Salal	690	1.21	0	1.21	8.349
	Tanakpur	94	15.89	0	15.89	14.9366
	Chamera-1	540	3.53	0	3.53	19.062
	Uri	480	3.48	0	3.48	16.704
	Dhauliganga	280	16.07	1.37	17.44	48.832
	Naphta-Jhakri	1500	0	0.91	0.91	13.65
	Chamera-2	300	0	1.65	1.65	4.95
	Dulhasti	390	4.11	1.37	5.48	21.372
	SEWA-2	120	4.17	0.77	4.94	5.928
NTPC	Anta(G)	419	3.79	1.37	5.16	21.6204
	Auriya(G)	663	3.84	0.95	4.79	31.7577
	Dadri(G)	830	3.41	0.65	4.06	33.698
	Unchahar-1	420	8.57	0.44	9.01	37.842
	Unchahar-2	420	3.6	1.37	4.97	20.874
	Rihand-1	1000	3.93	1.37	5.3	53
	Rihand-2	1000	3.4	1.37	4.77	47.7
	Singurali	2000	4.82	1.37	6.19	123.8
	Unchahar-3	210	6.19	1.35	7.54	15.834
THDC	Tehri-1	1000	14.7	0.91	15.61	156.1
NPCIL	Naraura APP	440	3.7	1.33	5.03	22.132
	Rapps-C	440	3.4	2.23	5.63	24.772
IPP						
	Vishnuprayag	400	11.4	0	11.4	45.6
UREDA						
	Swasti Power	24.3	24.3	0	100	24.3
TOTAL						1989.68

Transmission Loss in PTCUL System

5.42 Actual transmission losses in the PTCUL's system during the last few years is as under:

Table 9: Actual Transmission Losses of PTCUL in past years

S.No.	Year	Actual Transmission Losses (%)
1	2004-05	2.33
2	2005-06	2.41
3	2006-07	1.74
4	2007-08	1.36
5	2008-09	1.86
6	2009-10	1.76

5.43 For the FY12 the transmission losses in PTCUL system is assumed to be at the level of 1.76% .

TARIFF PROPOSAL FOR PTCUL FOR FY12

5.44 PTCUL would like to propose the Transmission Charges on the basis of contracted/allocated capacity handled by PTCUL.

5.45 Assuming the capacity to be handled by PTCUL during FY12 to be 1989.68 MW as also detailed in 4.42, the applicable transmission tariff works out Rs. 105.86 /kW/month of contracted/allocated capacity. The recovery of these charges is proposed on equal monthly proportion of the ARR, with excess or less recovery of charges based on capacity contracted or allocated to be made every quarter with UPCL.

5.46 Any short term allocation of available transmission capacity is proposed to be guided by applicable CERC guidelines in the Central Sector vide CERC Order on Open Access dated 30.01.04. Inter alia, the following is specified with respect to short term open access users of the transmission system.

- (i) Long-term open access customer shall share the annual transmission charges after adjustment of revenue from short-term customers, in accordance with the terms and conditions of tariff notified by the CERC from time to time.
- (ii) The charges payable by a short-term open access customer shall be ¼th of the charges applicable to the long-term customers. It shall be calculated in accordance with the following methodology:-

$$ST\text{-rate}=0.25 (TSC/AV\text{-Cap}) 365$$

where:-

PTCUL ARR & TARIFF FY12

-ST rate is the rate for short-term customers in Rs. as per MW per day.

-TSC means Annual transmission charges of the transmission licensee for the previous financial year allowed by the appropriate Commission.

-AV-cap means the average capacity served by transmission system of the transmission licensee in the previous financial year & shall be the sum of the generation capacities connected to the transmission system & contracted capacities of other transaction handled by the system of the transmission licensee.

- 5.47 Realisation of charges from ST customers shall be reduced against corresponding charges of UPCL on a quarterly basis.
- 5.48 Assuming that the energy transmitted through the PTCUL transmission network during FY12 to be about 11500 MU's, on the basis of estimated ARR for FY12 the transmission tariff in terms of paisa per unit works out to be 21.98 paisa per unit.

A6: PRAYER

- 6.1 PTCUL request the Hon'ble Commission to approve the Transmission Charges as proposed in Section A5 above and make it applicable from 1 April 2011. PTCUL also requests the Hon'ble Commission to consider the revenue gap in current financial year FY11 and accordingly allow the deficits in the revenue to be recovered in FY 12's Revenue Requirement.
- 6.2 The Hon'ble Commission may also allow the Petitioner to add/change/alter/modify this petition at future date.
- 6.3 The Hon'ble Commission may issue any other relief, order or direction which it may deem fit.

By the Applicant

Through its Managing Director

Power Transmission Corporation of Uttarakhand Limited (PTCUL)

Aggregate Revenue Requirement (ARR)

(Rs Lakhs)

Previous Year FY 10 (Actual)

Current Year FY 11 (Provisional)

Ensuing Year FY 12 (Projected)

Transmission Charges

Formats

1.1	Original Cost of Fixed Assets
1.2	Capital Works-in-Progress
1.3.1	Old REC Scheme
1.3.2	New REC Scheme
1.3.3	REC-IV Scheme
1.3.4	REC-V Scheme
1.3.5	PFC Scheme
1.3.6	Deposit Works
1.3.7	Civil & Other Works Capex
1.3.8	Additional Capex under existing schemes
2.1	Depreciation
2.2	Advance Against Depreciation
3.1.1	Total Employee Cost
3.1.2	Additional Employee Cost for New Employees During FY 2010-11
3.1.3	Additional Employee Cost for New Employees During FY 2011-12
3.2	Administrative & General (A&G) Expenses
3.2 (a)	Guarantee Fees
3.3	Repairs & Maintenance (R&M) Expenses
3.4	Interest on Long Term Loans
4	Return on Equity
5	Non Tariff Income
6	Working Capital
7	Comparative Statement of Approved ARR & Actuals 2009-10
8	Annual Revenue Requirement

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 1.1 Original Cost of Fixed Assets

(Rs Lakhs)

S. No.	Assets Group	FY 10 (Actual)				FY 11 (Provisional)			FY 12 (Projected)		
		At the beginning of the year	Additions during the year	Adjustments during the year	At the end of the year	Additions during the year	Adjustments during the year	At the end of the year	Additions during the year	Adjustments during the year	At the end of the year
1	Land & Rights	626			626			626			626
2	Buildings	3724			3724			3724			3724
3	Hydraulic Works	2			2			2			2
4	Other Civil works	159			159			159			159
5	Plant & Machinery	25726	696	69	26352	15932		42284	16130		58414
6	Lines & Cable Network	22617	7104	1655	28067	17276		45342	16194		61537
7	Vehicles	77			77			77			77
8	Furnitures & Fixtures	56	18		74			74			74
9	Office Equipment	58	35	2	91			91			91
	Total	53045	7852	1726	59171	33208		92379	32324		124703

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 1.2 Capital Works-in-Progress

(Rs Lakhs)

S No	Item	FY 10 (Actual)	FY 11 (Provisional)	FY 12 (Projected)
1	Opening Balance	39958	33021	29940
2	Additions during the year	10041	26928	24763
3	Interest Capitalised	847	3198	3771
4	<i>Less</i> : Adjustments	17824	33208	32324
	Closing balance	33021	29940	26150

Power Transmission Corporation of Uttarakhand Limited (PTCUL)

Aggregate Revenue Requirement (ARR)

Format: 1.3.1 Capex of works under Old REC Schemes (All figures in Rs. Lakhs)

Debt Proportion	0.75
Equity Proportion	0.25
Interest Rate	9.75%
Average Rate of Interest	11.00%

	Scheme Cost (Approved by REC)	Revised Cost	Estimated Date of Completion				CWIP(including IDC & Exp. Capitalised)			Assets Captialised				Assets Captialised			
				Actual Expenditure upto FY 2009-10	FY 2010-11 (Provisional Exp)	FY 2011-12 (Estimated Exp)	At the end of FY 10	At the end of FY 11	At the end of FY 12	At the End of FY 11	IDC	Exp.	Total	At the End of FY 12	IDC	Exp.	Total
Works estimated to be completed in FY 2010-11																	
<i>Lines & Cables</i>																	
1 Construction of 132 KV Sringar-Satpuli line	1428	4047	Mar-11	4236	661		4236	0	0	4897	377	29	5303				
2 132 KV Satpuli - Kotdwar Line	1293	3666	Dec-10	3570	46		3570			3616	296	2	3914				
sub-total	2721	7713		7806	707		7806	0	0	8513	377	29	9217				
<i>Plant & Machinery</i>																	
3 Construction of 132 KV S/S Satpuli (1x20 + 1x40) MVA	727	1772	Dec-10	622	437		622	0	0	1059	65	19	1144				
sub-total	727	1772		622	437	0	622	0	0	1059	65	19	1144				
TOTAL	3448	9485		8428	1144	0	8428	0	0	9573	442	48	10361				
Works estimated to be completed in FY 2011-12																	
<i>Lines & Cables</i>																	
4 Construction of 132 KV Double Circuit Srinagar-Simli line (64 Km.)	2226	8951	Oct-11	2876	2632	3444	2876	5969						9413	537	185	10135
sub-total	2226	8951		2876	2632	3444	2876	5969	0					9413	537	185	10135
<i>Plant & Machinery</i>																	
5 Construction of 132 KV S/S Simli	727	940	Oct-11	891	20		891	987	0	74	1	75	987	75	0	1062	
sub-total	727	940		891	20	0	891	987	0				987	75	0	1062	
TOTAL	2953	9891		3767	2652	3444	3767	6956	0				10400	612	185	11197	

Total Capex During FY 11	3796
Estimated Loan Drawl from REC during FY 11	2847
Total Capex During FY 12	3444
Estimated Loan Drawl from REC during FY 12	2583
Assets Capitalised (including IDC) during FY 11	10361
Assets Capitalised during FY 11 : Plants & Machinery	1144
Assets Capitalised during FY 11 : Lines & Cables	9217
Assets Capitalised (including IDC) during FY 12	11197
Assets Capitalised during FY 12 : Plants & Machinery	1062
Assets Capitalised during FY 12 : Lines & Cables	10135

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 1.3.1(a) Working for Expenses Capitalised and Depreciation charge under Old REC Schemes (All figures in Rs. Lakhs)

Debt Proportion		0.75																
Equity Proportion		0.25																
Interest Rate		9.75%																
Average Rate of Interest		11.00%																
	Estimated Date of Completion	Actual Expenditure upto FY 2009-10	FY 2010-11 (Provisional Exp)	FY 2011-12 (Estimated Exp)	IDC						Exp. Capitalised		Depreciation					
					FY 2010-11			FY 2011-12			FY 2010-11	FY 2011-12	Rate of Dep.	FY 2010-11		FY 2011-12		
					No. of Months	Av. Utilisation	Amount	No. of Months	Av. Utilisation	Amount				Period (In months)	Amt.	Period (In months)	Amt.	
Works estimated to be completed in FY 2010-11																		
Lines & Cables																		
1	Construction of 132 KV Sringar-Satpuli line	Mar-11	4236	661	0	12	6	377	0	0	0	29	0	2.57%	0	0.00	12	136.29
2	132 KV Satpuli - Kotdwara Line	Dec-10	3570	46	0	9	5	296	0	0	0	2	0	2.57%	3	25.15	12	100.59
	sub-total		7806	707	0			673			0	31	0			25		237
Plant & Machinery																		
3	Construction of 132 KV S/S Satpuli (1x20 + 1x40) MVA	Dec-10	622	437	0	9	5	65	0	0	0	19	0	3.60%	3	10.29	12	41.17
	sub-total		622	437	0			65			0	19	0			10.29		41.17
	TOTAL		8428	1144	0			738			0	50	0			35.44		278.05
Works estimated to be completed beyond FY 2010-11																		
Lines & Cables																		
4	Construction of 132 KV Double Circuit Srinagar-Simli line (64	Oct-11	2876	2632	3444	12	6	346	7	4	537	116	185	2.57%	0	0.00	5	108.53
	sub-total		2876	2632	3444			346			537	116	185			0.00		108.53
Plant & Machinery																		
5	Construction of 132 KV S/S Simli	Oct-11	891	20	0	12	6	74	7	4	75	1	0	3.60%	0	0.00	5	15.93
	sub-total		891	20	0			74			75	1	0			0.00		15.93
	TOTAL		3767	2652	3444			420			612	117	185			0.00		124.46
	GRAND TOTAL		12195	3796	3444			1158			612	167	185			35.44		402.50
Total Capex During FY 11		3796.25																
Total Capex During FY 12		3443.96																
Depreciation during FY 11		35.44																
Plants & Machinery		10.29																
Lines & Cables		25.15																
Depreciation during FY 12		402.50																
Plants & Machinery		57.10																
Lines & Cables		345.41																

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 1.3.2 Capex of works under New REC Schemes (All figures in Rs.Lakhs)

Debt Proportion	1
Equity Proportion	0
Interest Rate	10.25%
Average Rate of Interest	10.75%

	Revised Cost Project cost	Estimated Date of Completion				CWIP			Assets Capitalised			Assets Capitalised				
			Actual Expenditure upto FY 2009-10	FY 2010-11 (Provisional Exp)	FY 2011-12 (Estimated Exp)	At the end of FY 10	At the end of FY 11	At the end of FY 12	At the End of FY11	IDC	Exp.	Total	At the End of FY 12	IDC	Exp.	Total
Works estimated to be completed in FY 2010-11																
<i>Lines & Cables</i>																
1	220 kV S/C Behrani - Pantnagar line	1767	40269	1373	51	0	1373				1424	148	1	1572		
2	220 kV D/C Kashipur - Behrani line	958	40521	890	71	0	890				961	99	1	1059		
3	LILO 132 kV Rishikesh - Srinagar line at 132 kV S/s Srinagar	105	40603	0	105	0	0				105	6	0	111		
	sub-total	2830		2263	227	0	2263	0	0	0	2490	252	1	2742	0	0
<i>Plant & Machinery</i>																
4	Construction of 132 kV Bay at Almora and Pithoragarh	168	Dec-10	0.00	168.00	0.00	0.00				168	7	0	175		
	sub-total	168		0	168	0	0	0.00	0.00	0	168.00	6.77	0.00	174.77	0	0
	Total	2998		2263	395	0	2263	0	0	0	2658	259	1	2916	0	0
Works estimated to be completed beyond FY 2011-12																
<i>Lines & Cables</i>																
5	LILO of 132 kV Almora - Pithoragarh line at 20 kV S/s at Pithoragarh (Power Grid)	546	Oct-11	0.00	150	396	0	160							555	29
6	132 KV S/C Ranikhet - Bageshwar line on D/C tower for 132 KV S/s at Bageshwar	2590	Mar-12	45.26	250	2295	45	316							2611	155
	sub-total	3135		45	400	2690	45	476	0	0	0	0	0	0	3166	184
<i>Plant & Machinery</i>																
7	132 kV S/s Srinagar-II	1977	Mar-12	443	50	300	443	544							844	69
8	Construction of SLDC at Rishikesh and 2 Nos Sub SLDC at Kashipur and Dehradun and its associated communication network civilworks	5192	Sep-11	0	1000	2192	0	1064							3256	166
9	132 Kv S/s Bageshwar	1393	Mar-12	29	265	1099	29	315							1413	91
	sub-total	8562		472	1315	3591	472	1922	0	0	0	0	0	0	5513	326
	TOTAL	11698		517	1715	6281	517	2398	0	0	0	0	0	0	8679	510
Total Capex During FY 11		2109.81														
Estimated Loan Drawl from REC during FY 11		2109.81														
Total Capex During FY 12		6280.95														
Estimated Loan Drawl from REC during FY 12		6280.95														
Assets Capitalised (including IDC) during FY 11		2916.40														
Assets Capitalised during FY 11 : Plants & Machinery		174.77														
Assets Capitalised during FY 11 : Lines & Cables		2741.63														
Assets Capitalised (including IDC) during FY 12		9525.54														
Assets Capitalised during FY 12 : Plants & Machinery		6031.92														
Assets Capitalised during FY 12 : Lines & Cables		3493.61														

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 1.3.3 Capex of works under REC-IV Schemes (All figures in Rs.Lakhs)

Debt Proportion	0.7
Equity Proportion	0.3
Average Rate of Interest	11.00%

	Revised Estimated Base Cost	Est. Date of Completion				CWIP			Assets Capitalised			Assets Capitalised						
			Actual Expenditure upto FY 2009-10	FY 2010-11 (Prov. Exp)	FY 2011-12 (Estimated Exp)	At the end of FY 10	At the end of FY 11	At the end of FY 12	At the End of FY 11	IDC	Exp.	Total	At the End of FY 12	IDC	Exp.	Total		
Works estimated to be completed in FY 2010-11																		
Lines & Cables																		
1	220 KV D/C Ghansali - Bhilangana III (Ghuttu) Line	784	Mar-11	245	1523	0	245				1768	77.53	67	1913.13				
2	132 KV DC Line from 132 kv S/S sidcul to 132kv Sitarganj Kicha line	381	Mar-11	0	810	0	0				810	31.18	36	876.90				
3	Stringing of 132 KV LILO of Sitarganj - Kicha Line (32Km)	230	Mar-11	0	207	0	0				207	7.96	9	223.87				
	sub-total	1396		245	2540	0	245	0	0	2785	117	112	3014	0	0	0	0	
Plant & Machinery																		
4	132 KV S/S Sitarganj (SIDCUL) 80MVA	1700	Mar-11	260	1440	0	260				1700	75.47	64	1839.13				
5	132 KV Bay at Kicha	114	Dec-10	0	114	0	0				114	3.29	5	122.18				
6	18 Nos. 33 KV Bay	273	Oct-10	1	272	0	1				273	6.19	12	291.19				
7	220 KV Bay at Chamba	134	Dec-10	0	134	0	0				134	3.86	6	143.32				
8	8 Nos. GPS Clocks	55	Mar-11	0	55	0	0				55	2.12	2	59.54				
	sub-total	2276		261	2015	0	261	0	0	2276	91	89	2455	0	0	0	0	
	Total	3671		506	4555	0	506	0	0	5061	208	201	5469	0	0	0	0	
Works estimated to be completed beyond FY 2011-12																		
Lines & Cables																		
9	LILO of 220 KV Khordi-Rishikesh Line at 220 KV Dehradun (5 Km)	109	Dec-11	0	10	99	0	11						110	4	5	119	
10	LILO of 132 KV Dhalipur- Purkul line at 220 KV Dehradun (2Km)	80	Dec-11	0	10	70	0	11						81	3	4	88	
11	LILO of 132 KV Kulhal - Mazra line at 220 KV Dehradun (2Km)	80	Dec-11	0	10	70	0	11						81	3	4	88	
12	LILO of 132 KV Mazra - Rishikesh Line at 132 KV Dehradun (10Km)	381	Dec-11	0	20	361	0	22						383	12	19	414	
13	132 KV Purkul - Bindal Link Line (11.5KM)	367	Dec-11	0	97	270	0	105						375	15	14	405	
	sub-total	1018		0	147	870	0	160	0	0				1030	36	47	1113	
Plant & Machinery																		
14	220 KV S/S Dehradun (320 MVA)	5732	Mar-12	0	700	5032	0	758						5789	248	270	6307	
15	132 KV S/S Haridwar Road Dehradun (80 MVA)	2493	Dec-11	0	400	2093	0	433						2526	91	112	2729	
16	220 KV S/S Ghansali (100 MVA)	4503	Jun-12	28	1301	3000	28	1439	4818									
	sub-total	12728		28	2401	10125	28	2630	4818	0				8315	339	382	9036	
	TOTAL	13746		28	2549	10995	28	2790	4818	0				9345	375	428	10149	

Total Capex During FY 11	7103
Estimated Loan Drawl from REC during FY 11	4972
Total Capex During FY 12	10995
Estimated Loan Drawl from REC during FY 12	7696
Assets Capitalised (including IDC) during FY 11	5469
Assets Capitalised during FY 11 : Plants & Machinery	2455
Assets Capitalised during FY 11 : Lines & Cables	3014
Assets Capitalised (including IDC) during FY 12	10149
Assets Capitalised during FY 12 : Plants & Machinery	9036
Assets Capitalised during FY 12 : Lines & Cables	1113

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 1.3.3(a) Working for Expenses Capitalised and Depreciation charge under REC-IV Schemes (All figures in Rs.Lakhs)

Debt Proportion	0.7
Equity Proportion	0.3
Average Rate of Interest	11.00%

	Est. Date of Completion	Actual Expenditure upto FY 2009-10	FY 2010-11 (Prov. Exp)	FY 2011-12 (Estimated Exp)	IDC						Exp. Capitalised		Depreciation					
					FY 2010-11			FY 2011-12			FY 2010-11	FY 2011-12	Rate of Dep.	FY 2010-11		FY 2011-12		
					No. of Months	Average Utilisation	Amount	No. of Months	Average Utilisation	Amount				Period (In months)	Amt.	Period (In months)	Amt.	
Works estimated to be completed in FY 2010-11																		
Lines & Cables																		
1	220 KV D/C Ghansali - Bhilangana III (Ghuttu) Line	Mar-11	245	1523	0	12	6	78	0	0	0	67	0	2.57%	0	-	12	49
2	132 KV DC Line from 132 kv S/S sidcul to 132kv Sitarganj Kicha	Mar-11	0	810	0	12	6	31	0	0	0	36	0	2.57%	0	-	12	23
3	Stringing of 132 KV LILO of Sitarganj - Kicha Line (32Km)	Mar-11	0	207	0	12	6	8	0	0	0	9	0	2.57%	0	-	12	6
	sub-total		245	2540	0			117			0	112	0			0		77
Plant & Machinery																		
4	132 KV S/S Sitarganj (SIDCUL) 80MVA	Mar-11	260	1440	0	12	6	75	0	0	0	64	0	3.60%	0	-	12	66
5	132 KV Bay at Kicha	Dec-10	0	114	0	9	5	3	0	0	0	5	0	3.60%	3	1.10	12	4
6	18 Nos. 33 KV Bay	Oct-10	1	272	0	7	4	6	0	0	0	12	0	3.60%	5	4.37	12	10
7	220 KV Bay at Chamba	Dec-10	0	134	0	9	5	4	0	0	0	6	0	3.60%	3	1.29	12	5
8	8 Nos. GPS Clocks	Mar-11	0	55	0	12	6	2	0	0	0	2	0	3.60%	0	-	12	2
	sub-total		261	2015	0			91			0	89	0			6.76		88
	TOTAL		506	4555	0			208			0	201	0			6.76		166
Works estimated to be completed beyond FY 2010-11																		
Lines & Cables																		
9	LILO of 220 KV Khordi-Rishikesh Line at 220 KV Dehradun (5 Km)	Dec-11	0	10	99	12	6	0	9	5	4	0	5	2.57%	0	-	3	1
10	LILO of 132 KV Dhalipur- Purkul line at 220 KV Dehradun (2Km)	Dec-11	0	10	70	12	6	0	9	5	3	0	4	2.57%	0	-	3	1
11	LILO of 132 KV Kulhal - Mazra line at 220 KV Dehradun (2Km)	Dec-11	0	10	70	12	6	0	9	5	3	0	4	2.57%	0	-	3	1
12	LILO of 132 KV Mazra - Rishikesh Line at 132 KV Dehradun (10Km)	Dec-11	0	20	361	12	6	1	9	5	12	1	19	2.57%	0	-	3	3
13	132 KV Purkul - Bindal Link Line (11.5KM)	Dec-11	0	97	270	12	6	4	9	5	15	4	14	2.57%	0	-	3	3
	sub-total		0	147	870			6			36	7	47			0.00		7
Plant & Machinery																		
14	220 KV S/S Dehradun (320 MVA)	Mar-12	0	700	5032	12	6	27	12	6	248	31	270	3.60%	0	-	0	-
15	132 KV S/S Haridwar Road Dehradun (80 MVA)	Dec-11	0	400	2093	12	6	15	9	5	91	18	112	3.60%	0	-	3	25
16	220 KV S/S Ghansali (100 MVA)	Jun-12	28	1301	3000	12	6	52	12	6	218	57	161	3.60%	0	-	0	-
	sub-total		28	2401	10125			95			557	106	542			0.00		25
	TOTAL		28	2549	10995			100			593	112	589			0.00		32
	GRAND TOTAL		534	7103	10995			308			593	313	589			6.76		198

Total Capex During FY 11	7103
Total Capex During FY 12	10995
Depreciation during FY 11	7
Plants & Machinery	7
Lines & Cables	0
Depreciation during FY 12	198
Plants & Machinery	113
Lines & Cables	85

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 1.3.4 Capex of works under REC-V Schemes (All figures in Rs.Lakhs)

Debt Proportion	0.7
Equity Proportion	0.3
Average Rate of Interest	11.00%

	Revised Estimated Base Cost	Est. Date of Completion	Actual Expenditure upto FY 2009-10	FY 2010-11 (Prov.Exp)	FY 2011-12 (Estimated Exp)	CWIP			Assets Capitalised			Assets Capitalised					
						At the end of FY 10	At the end of FY 11	At the end of FY 12	At the End of FY 11	IDC	Exp.	Total	At the End of FY 12	IDC	Exp.	Total	
Works estimated to be completed in FY 2010-11																	
<i>Lines & Cables</i>																	
1	LILO of 132 KV Takurdwara line at mahuakheraganj(5Kms.)	338	Mar-11	0	418	0	0	0	0	418	16	18	453	0	0	0	
	sub-total	338		0	418	0	0	0	0	418	16	18	453	0	0	0	
<i>Plant & Machinery</i>																	
2	220 KV S/S Mahuakheraganj (200 MVA)	9,699	Mar-11	772	8880	0	772	0	0	9652	401	392	10445	0	0	0	
3	2 No. 132 KV Bay at 132 KV S/S Purkul & Bindal	210	Mar-11	0	210	0	0	0	0	210	8	9	227	0	0	0	
4	2 No. 220 kv Bay at 400 kv S/S kashipur	602	Mar-11	0	602	0	0	0	0	602	23	27	651	0	0	0	
	sub-total	10,511		772	9691	0	772	0	0	10464	433	427	11324	0	0	0	
	TOTAL	10,849		772	10109	0	772	0	0	10882	449	446	11776	0	0	0	
Works estimated to be completed beyond FY 2010-11																	
<i>Lines & Cables</i>																	
5	220 kv DC Line from 400 KV Kashipur S/S to 220KV Mahuakheraganj(10Km)	1,344	Jul-11	0	200	1144	0	217	0	0	0	0	0	1361	30	61	1452
	TOTAL	1,344		0	200	1144	0	217	0	0	0	0	0	1361	30	61	1452

Total Capex During FY 11	10309
Estimated Loan Drawl from REC during FY 11	7217
Total Capex During FY 12	1144
Estimated Loan Drawl from REC during FY 12	801
Assets Capitalised (including IDC) during FY 11	11776
Assets Capitalised during FY 11 : Plants & Machinery	11324
Assets Capitalised during FY 11 : Lines & Cables	453
Assets Capitalised (including IDC) during FY 12	1452
Assets Capitalised during FY 12 : Plants & Machinery	0
Assets Capitalised during FY 12 : Lines & Cables	1452

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 1.3.4(a) Working for Expenses Capitalised and Depreciation charge under REC-V Schemes (All figures in Rs.Lakhs)

Debt Proportion	0.7
Equity Proportion	0.3
Average Rate of Interest	11.00%

	Est. Date of Completion	Actual Expenditure upto FY 2009-10	FY 2010-11 (Prov. Exp)	FY 2011-12 (Estimated Exp)	IDC						Exp. Capitalised		Depreciation					
					FY 2010-11			FY 2011-12			FY 2010-11	FY 2011-12	Rate of Dep.	FY 2010-11		FY 2011-12		
					No. of Months	Average Utilisation	Amount	No. of Months	Average Utilisation	Amount				Period (In months)	Amt.	Period (In months)	Amt.	
Works estimated to be completed in FY 2010-11																		
Lines & Cables																		
1	LILO of 132 KV Takurdwara line at mahuakheraganj(5Kms.)	Mar-11	0	418	0	12	6	16	0	0	32	18	0	2.57%	0	0	12	12
sub-total			0	418	0			16			32	18	0			0		12
Plant & Machinery																		
2	220 KV S/S Mahuakheraganj (200 MVA)	Mar-11	772	8880	0	12	6	401	0	0	743	392	0	3.60%	0	0	12	376
3	2 No. 132 KV Bay at 132 KV S/S Purkul & Bindal	Mar-11	0	210	0	12	6	8	0	0	16	9	0	3.60%	0	0	12	8
4	2 No. 220 kv Bay at 400 kv S/S kashipur	Mar-11	0	602	0	12	6	23	0	0	46	27	0	3.60%	0	0	12	23
sub-total			772	9691	0			433			806	427	0			0		408
TOTAL			772	10109	0			449			838	446	0			0.00		419
Works estimated to be completed beyond FY 2010-11																		
Lines & Cables																		
5	220 kv DC Line from 400 KV Kashipur S/S to 220KV Mahuakheraganj(10Km)	Jul-11	0	200	1144	12	6	8	4	2	30	9	61	2.57%	0	0	8	25
TOTAL			0	200	1144			8			30	9	61			0.00		25
GRAND TOTAL			772	10309	1144			449			868	455	61			0		444

Total Capex During FY 11	10309
Total Capex During FY 12	1144
Depreciation during FY 11	0
Plants & Machinery	0
Lines & Cables	0
Depreciation during FY 12	444
Plants & Machinery	408
Lines & Cables	37

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 1.3.5 Capex of works under PFC Schemes (All figures in Rs.Lakhs)

Debt Proportion	0.7
Equity Proportion	0.3
Average Rate of Interest	11.50%

	Revised Estimated Base Cost	Est. Date of Completion				CWIP			Assets Capitalised			
			Actual Expenditure upto FY 2009-10	FY 2010-11 (Prov.Exp)	FY 2011-12 (Estimated Exp)	At the end of FY 10	At the end of FY 11	At the end of FY 12	At the End of FY 11	IDC	Exp.	Total
<i>Works estimated to be completed in FY 2010-11</i>												
<i>Lines & Cables</i>												
1 220 KV Roshnabad-Roorkee Line LILO on 400 KV S/s Puhana	744	Dec-10	0	424	0	0			424	13	19	455
TOTAL	744		0	424	0	0	0	0	424	13	19	455

Total Capex During FY 11	423.84
Estimated Loan Drawl from REC during FY 11	296.69
Total Capex During FY 12	0.00
Estimated Loan Drawl from REC during FY 12	0.00
Assets Capitalised (including IDC) during FY 11	455.33
Assets Capitalised during FY 11 : Plants & Machinery	0.00
Assets Capitalised during FY 11 : Lines & Cables	455.33
Assets Capitalised (including IDC) during FY 12	0.00
Assets Capitalised during FY 12 : Plants & Machinery	0.00
Assets Capitalised during FY 12 : Lines & Cables	0.00

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 1.3.5(a) Working for Expenses Capitalised and Depreciation charge under PFC Schemes (All figures in Rs.Lakhs)

Debt Proportion	0.7
Equity Proportion	0.3
Average Rate of Interest	11.50%

	Est. Date of Completion	Actual Expenditure upto FY 2009-10	FY 2010-11 (Prov. Exp)	FY 2011-12 (Estimated Exp)	IDC						Exp. Capitalised		Rate of Dep.	Depreciation				
					FY 2010-11			FY 2011-12			FY 2010-11	FY 2011-12		FY 2010-11		FY 2011-12		
					No. of Months	Average Utilisation	Amount	No. of Months	Average Utilisation	Amount				Period (In months)	Amt.	Period (In months)	Amt.	
Works estimated to be completed in FY 2010-11																		
Lines & Cables																		
1	220 KV Roshnabad-Roorkee Line LILO on 400 KV S/s Puhana	Dec-10	0	424	0	9	5	13	0	0	0	19	0	2.57%	3	2.93	12	1
TOTAL			0	424	0			13			0	19	0			2.93		0.98
GRAND TOTAL			0	424	0			13			0	19	0			3		1

Total Capex During FY 11	424
Total Capex During FY 12	0
Depreciation during FY 11	3
Plants & Machinery	0
Lines & Cables	3
Depreciation during FY 12	1
Plants & Machinery	0
Lines & Cables	1

**Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)**

Format: 1.3.7 Civil and other Works Capex (All figures in Rs. lakhs)

Sl. No.	Name of Work	Total Estimated Cost	Actual Expenditure upto 09-10	Prov. Expenditure during FY 10-11	CWIP at the end of FY11	Projected Capital Expenditure for FY 2011-12	CWIP at the end of FY12
	<i>Bulinding</i>						
1	PTCUL HQ Building	2354	630	511	1140	1213	2354
2	Construction of proposed Training centre at 220KV S/s Rishikesh	164	0	0	0	71	71
3	Construction of colony at 132KV S/s Majra Dehradun	2245	0	2	2	562	563
	Sub-Total	4762	630	512	1142	1846	2988
	<i>Plant & Machinery</i>						
4	Construction of water supply mains at 132KV S/s Majra Dehradun	31	0	8	8	23	31
5	Capital R&M Works at 132 KV S/s Srinagar (G)	77	0	13	13	65	77
6	Capital R&M Works at 132 KV S/s Kotdwar	50	0	0	0	50	50
7	Capital R&M Works at 132 KV S/s Chamba	149	0	99	99	50	149
8	Misc capital R&M Works	1196	0	331	331	865	1196
	Sub-Total	1502	0	450	450	1052	1502
	TOTAL	6265	630	962	1592	2899	4490

Total Capex During FY 11	962
Total Capex During FY 12	2899
CWIP at the end of FY 11	1592
CWIP at the end of FY 12	4490

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 1.3.8 Additional Capex under existing schemes (All figures in Rs. lakhs)

	%age	Rol
NABARD	78%	6.50%
Old REC Scheme Debt Component	75%	10.75%
New REC Scheme Debt Component	100%	10.75%
REC IV Scheme Debt Component	70%	11.00%

	Scheme	Date of Energisation	Additional Capitalization during FY 11	Additional Capitalization during FY 12	IDC				
					FY 2010-11		FY 2011-12		
					Average Utilisation	Amount	Average Utilisation	Amount	
Old REC Scheme									
	<i>Lines & Cables</i>								
	220 KV Single Circuit Maneri Bhali Stage-II to	4/23/2009	10		6	0			
	Sub-total		10	0		0			0
	Total		10	0		0			0
New REC Scheme									
	<i>Lines & Cables</i>								
	132 Kv Kashipur- Bharani Line	1/17/2010	10		6	1			
	sub-total		10	0		1			0
	Total		10	0		1			0
REC IV Scheme									
	<i>Lines & Cables</i>								
	220 KV S/s Chamba-Ghansali Line	9/30/2009	150		6	6			
	Total		150	0		6			0
	Grand Total		170	0		7			0

Total Capex During FY 11	170
Estimated Loan Drawl NABARD during FY 11	
Estimated Loan Drawl REC-old during FY 11	8
Estimated Loan Drawl REC-new during FY 11	10
Estimated Loan Drawl REC-IV during FY 11	105
Total Capex During FY 12	0
Estimated Loan Drawl NABARD during FY 12	0
Estimated Loan Drawl REC-old during FY 12	0
Estimated Loan Drawl REC-new during FY 12	0
Estimated Loan Drawl REC-IV during FY 12	0
Assets Capitalised (including IDC) during FY 11	177
Assets Capitalised during FY 11 : Plants & Machinery	0
Assets Capitalised during FY 11 : Lines & Cables	177
Assets Capitalised (including IDC) during FY 12	0
Assets Capitalised during FY 12 : Plants & Machinery	0
Assets Capitalised during FY 12 : Lines & Cables	0
IDC During FY 11	7
IDC During FY 12	0
Depreciation during FY 11	0
Plants & Machinery	0
Lines & Cables	0
Depreciation during FY 12	0
Plants & Machinery	0
Lines & Cables	0

Format: 2.1 Depreciation Charges**(Rs Lakhs)**

S. No.	Item	Rate of depreciation (%)	FY 10 (Actual)				FY 11 (Provisional)			FY 12 (Projected)		
			Cumulative upto the beginning of year	Depreciation during the year	Adjustment during the year	Cumulative at the end of year	Depreciation during the Year	Adjustment during the year	Cumulative at the end of year	Depreciation during the Year	Adjustment during the year	Cumulative at the end of year
1	Land & Rights	-		-		-	-		-		-	
2	Buildings	1.80%	1,705	67		1,772	67		1,839	67	1,906	
3	Hydraulic Works	2.57%	2	0		2	0		2	0	2	
4	Other Civil works	1.80%	165	3		168	3		171	3	173	
5	Plant & Machinery	3.60%	17,014	926		17,940	967		18,907	2185	21,092	
6	Lines & Cable Network	2.57%	4,335	590		4,925	795		5,720	1723	7,443	
7	Vehicles	18.00%	181	653		834	14		848	14	862	
8	Furnitures & Fixtures	6.00%	12	3		15	4		19	4	24	
9	Office Equipment	6.00%	10	4		14	5		20	5	25	
	Total		23,423	2,247	-	25,670	1,856	-	27,527	4001	-	31,528
	Less: Dep. On Deposit work		117	117		235	207		442	179	620	
	Total		23,306	2,129	-	25,435	1,650	-	27,085	3822	-	30,907

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 2.2 Advance Against Depreciation

(Rs.Lakhs)

S.No.	Particulars	FY 10 (Actual)	FY 11 (Provisional)	FY 12 (Projected)
1	1/10th of the Loan	5,297	7,299	9,270
2	Repayment of the Loan(s) as considered for working out interest on Loan	2,401	4,704	4,985
3	Minimum of the above	2,401	4,704	4,985
4	Less: Depreciation during the year	2,129	1,650	3,822
5	(A) = 3 - 4	271	3,055	1,162
6	Cumulative Repayment of the Loan(s) as considered for working out Interest on Loan	10,727	17,881	25,210
7	Less: Cumulative Depreciation	7,074	8,724	12,547
8	(B) = 6 - 7	3,653	9,157	12,663
9	Advance Against Depreciation (Minimum of A & B)	271	3,055	1,162

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format 3.1.1: Employee Cost

(Rs.Lakhs)

S.No.	Item	FY 10 (Actual)	FY 11 (Provisional)	FY 12 (Projected for Existing Employees)	FY 12 (Employee Cost for Additional Manpower)	FY 12 (Total Employee Cost)
1	Salaries	2,990	3,099	3,254	115	3,369
2	Dearness Allowance	618	795	915	69	983
3	Other allowances	169	225	240	7	247
4	Bonus / exgratia	27	5	5		5
	Sub-total (1 to 5)	3,804	4,124	4,414	191	4,605
5	Medical expenses reimbursement	22	46	48	1	50
6	Leave Travel Assistance					
7	Earned Leave encashment	239	374	401		401
8	Employer's Contribution towards leave encashment	157	240	257	8	264
9	Other Cost	4	50			
10	Staff welfare expenses	5	6	6	0	6
	Sub-total (6 to 13)	426	716	712	9	721
11	Employer's contribution towards pension & gratuity	392	527	564	10	574
12	Employer's contribution towards EPF	165	222	238	25	263
	Gross Employee cost	4,787	5,589	5,928	235	6,163
13	<i>Less: Capitalization</i>	685	800			882
	Net charged to Revenue	4,102	4,789	5,928	235	5,282
14	Arrears of Salary (VI Pay Commission)			679		679
15	Salary for UITP Projects	182	213			234
16	Net charged to Revenue	3,920	4,577	6,607	235	5,726

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
 Aggregate Revenue Requirement (ARR)
 Format 3.1.2: Additional Employee Cost for New Employees During FY 2010-11

FY 2009-10

Pay Scale	No. of Employees as on 30.9.2010	Increase / Decrease in Manpower at Different Pay Scale Levels	Monthly Basic Salary (Initial of the Pay Scale)	Monthly Grade Pay for new emp. (Initial of the Pay Band)	Av. Annual Basic Salary (Rupees) for 3 month	Basic Salary (Rupees)	DA (Rupees)	Employer's contribution towards EPF	Employer's contribution towards Gratuity
37400-67000	0	0	37400.00	12500.00	149700	0.00	0.00	0.00	0.00
37400-67000	1	0	37400.00	12000.00	148200	0.00	0.00	0.00	0.00
37400-67000	1	0	37400.00	11500.00	146700	0.00	0.00	0.00	0.00
37400-67000	0	0	37400.00	11000.00	145200	0.00	0.00	0.00	0.00
37400-67000	3	0	37400.00	10000.00	142200	0.00	0.00	0.00	0.00
37400-67000	19	0	37400.00	8900.00	138900	0.00	0.00	0.00	0.00
37400-67000	2	0	37400.00	8700.00	138300	0.00	0.00	0.00	0.00
15600-39100	43	0	15600.00	6600.00	66600	0.00	0.00	0.00	0.00
15600-39100	75	25	15600.00	5400.00	63000	1575000.00	787500.00	321536.25	98437.50
9300-34800	0	0	9300.00	4400.00	41100	0.00	0.00	0.00	0.00
9300-34800	220	35	9300.00	4200.00	40500	1417500.00	708750.00	289382.63	88593.75
5200-20200	59	0	5200.00	3000.00	24600	0.00	0.00	0.00	0.00
5200-20200	325	0	5200.00	2600.00	23400	0.00	0.00	0.00	0.00
5200-20200	71	0	5200.00	2000.00	21600	0.00	0.00	0.00	0.00
5200-20200	94	0	5200.00	1900.00	21300	0.00	0.00	0.00	0.00
	913	60				2992500.00	1496250.00	610918.88	187031.25

FY 2010-11	
Existing Man Power	926
Retired During the year	13
Closing	913
Average of existing employees	920
Additional Man Power	60
Average Employees during the year	946
Bonus Paid in FY 10 (P.A.)	3484

	FY 2010-11		
	Projected for Existing Employees , in Rupees	Employee Expense Per Employee (in Rupees)	Projected for Additional Employees , in Rupees
Other Allowances	20,578,805	22,380	335,706
Medical Expenses Reimbursement	3,299,211	3,588	53,821
Payment under Workmen's Compensation Act	0	0	0
Earned Leave Encashment	28,728,000	31,243	468,646
Other Cost	0	0	0
Staff Welfare Activities	66,174	72	1,080

FY 2010-11	
Salaries	30
Dearness Allowance	15
Other allowances	3
Medical expenses reimbursement	1
Leave salary contribution	2
Payment under Workmen's Compensation Act	0
Earned Leave Encashment	5
Other Cost	0
Staff Welfare Activities	0
Employer's contribution towards pension & gratuity	0
Employer's contribution towards EPF	6

DA Rates 2010-11	
	50%

Arrears of Salary due to VI pay Commission				
Category	Amount	Payable in		
		2010-11	2011-12	
Directors	22			
Working Employees	1988	30%	30%	
Retired Employees	252	679	679	
Total Arrears	2263			

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
 Aggregate Revenue Requirement (ARR)
 Format 3.1.3: Additional Employee Cost for New Employees During FY 2011-12

FY 2010-11

Pay Scale	No. of Employees as on 31.3.2011	Increase / Decrease in Manpower at Different Pay Scale Levels	Monthly Basic Salary (Initial of the Pay Scale)	Monthly Grade Pay for new emp. (Initial of the Pay Band)	Av. Annual Basic Salary (Rupees)	Basic Salary (Rupees)	DA (Rupees)	Employer's contribution towards EPF	Employer's contribution towards Gratuity
37400-67000	0	1	37400.00	12500.00	299400	299400.00	179640.00	65197.34	19960.00
37400-67000	1	4	37400.00	12000.00	296400	1185600.00	711360.00	258176.26	79040.00
37400-67000	1	0	37400.00	11500.00	293400	0.00	0.00	0.00	0.00
37400-67000	0	0	37400.00	11000.00	290400	0.00	0.00	0.00	0.00
37400-67000	3	1	37400.00	10000.00	284400	284400.00	170640.00	61930.94	18960.00
37400-67000	19	4	37400.00	8900.00	277800	1111200.00	666720.00	241974.91	74080.00
37400-67000	2	0	37400.00	8700.00	276600	0.00	0.00	0.00	0.00
15600-39100	43	1	15600.00	6600.00	133200	133200.00	79920.00	29005.63	8880.00
15600-39100	100	25	15600.00	5400.00	126000	3150000.00	1890000.00	685944.00	210000.00
9300-34800	0	0	9300.00	4400.00	82200	0.00	0.00	0.00	0.00
9300-34800	255	35	9300.00	4200.00	81000	2835000.00	1701000.00	617349.60	189000.00
5200-20200	59	0	5200.00	3000.00	49200	0.00	0.00	0.00	0.00
5200-20200	325	17	5200.00	2600.00	46800	795600.00	477360.00	173249.86	53040.00
5200-20200	71	0	5200.00	2000.00	43200	0.00	0.00	0.00	0.00
5200-20200	94	40	5200.00	1900.00	42600	1704000.00	1022400.00	371063.04	113600.00
	973	128	332400.00	104700.00	2622600	11498400.00	6899040.00	2503891.58	766560.00

FY 2011-12	
Existing Man Power	973
Retired During the year	28
Closing	945
Average of existing employees	959
Additional Man Power	128
Average Employees during the year	1016
Bonus Paid in FY 09 (P.A.)	3484

FY 2011-12			
	Projected for Existing Employees , in Rupees	Employee Expense Per Employee (in Rupees)	Projected for Additional Employees , in Rupees
Other Allowances	20,954,375	21,850	699,207
Medical Expenses Reimbursement	3,308,175	3,450	110,387
Payment under Workmen's Compensation Act	0	0	0
Earned Leave Encashment	30,538,406	31,844	1,019,008
Other Cost	0	0	0
Staff Welfare Activities	69,215	72	2,310

FY 2011-12	
Salaries	115
Dearness Allowance	69
Other allowances	7
Medical expenses reimbursement	1
Leave salary contribution	8
Payment under Workmen's Compensation Act	0
Earned Leave Encashment	10
Other Cost	0
Staff Welfare Activities	0
Employer's contribution towards pension & gratuity	0
Employer's contribution towards EPF	25

DA Rates	
2011-12	60%

Arrears of Salary due to VI pay Commission				
Category	Amount	Payable in		
Directors	22		2011-12	
Working Employees	1988		30%	
Retired Employees	252	679		
Total Arrears	2263			

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format 3.2: Administration and General Expenses

(Rs Lakhs)

S.No.	Item	FY 10 (Actual)	FY 11 (Provisional)	FY 12 (Projected)
1	Rent, Rates & Taxes	41	30	35
2	Insurance	1	1	2
3	Telephone postage & Telegrams	41	49	57
4	Legal Charges	5	10	18
5	Audit Fees	22	32	37
6	Consultancy Charges	50	56	90
7	Technical fee/ registration fee /fee & Subscription	535	166	166
8	License Fee	518	537	565
9	Conveyance & Travelling	73	250	295
10	Electricity & water charges	10	10	12
11	Printing & Stationery	11	16	19
12	Advertisement	54	65	79
13	Training Expenses	41	104	198
14	Security Charges	54	190	202
15	Other expenses	150	110	129
	Total expenses	1606	1626	1903
<i>Less</i>	Capitalised	244	247	290
	Net expenditure	1362	1379	1614
<i>Less</i>	Proportinate for UITP projects	65	66	77
	Net charged to Revenue	1297	1313	1537

**Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)**

Format 3.2 (a): Gaurantee Fees

S. N o.	Scheme	Scheme Cost	% of Loan Amount	Loan Amount	Provision of 1% Gaurantee Fees (F.Y 11)	Provision of 1% Gaurantee Fees (F.Y 12)
1	REC-IV	23643.64	70%	16550.55	165.51	165.51
	Total	23643.64	0.7	16550.55	165.51	165.51

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format 3.3: Repairs & Maintenance Expenses

(Rs.Lakhs)

S.No.	Item	FY 10 (Actual)	FY 11 (Provisional)	FY 12 (Projected)
1	Plant & Machinery	815	1303	1937
2	Buildings	136	218	323
3	Civil Works	26	41	61
4	Hydraulic Works			
5	Lines & Cable Network	246	393	584
6	Vehicles	1	2	3
7	Furniture & Fixtures	0	0	1
8	Office equipment			
9	Others			
	Net charged to Revenue	1225	1957	2909

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format 3.4: Interest & Finance Charges

Rs. In Lacs

S. No	Source	FY 10 (Actual)						FY 11 (Provisional)						FY 12 (Projected)					
		Opg balance	Receipts	Repayments	Closing Balance	Rate of Interest	Interest	Opg balance	Receipts	Repayments	Closing Balance	Rate of Interest	Interest	Opg balance	Receipts	Repayments	Closing Balance	Rate of Interest	Interest
1	Old REC	8589		1227	7362	10.65%	850	7362		1227	6135	10.75%	791	6135		1227	4908	10.75%	659
2	New REC	10281			10281	10.39%	1068	10281	2110	1028	11363	10.75%	1219	11363	6281	1414	16230	10.75%	1559
3	NABARD	21541		3016	18524	6.50%	1276	18524		4899	13625	6.5%	1204	13625		4687	8938	6.5%	886
4	REC-III		6080		6080	9.75%	147	6080	2847		8927	11.00%	825	8927	2583		11510	11.00%	1124
4	REC-IV								4972		4972	11.00%	273	4972	7696		12669	11.00%	970
5	REC-V								7217		7217	11.00%	397	7217	801		8018	11.00%	838
6	PFC-Gap funding	1478	1842		3320	11.5%	156	3320	2450		5770	11.5%	523	5770	2344		8114	11.5%	798
7	PFC- I								424			11.5%	24					11.5%	
	PFC Computer								130		130	11.5%	7	130			130	11.5%	15
	Sub-total	41888	7922	4243	45568		3496	45568	20019	7154	58009		5257	58009	19705	7328	70386		6835
Less	Interest Capitalized						846						2328						2786
	Net total interest						2650						2929						4049

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format 4: Reasonable Return

(Rs Lakhs)

S. No.	Item	FY 10(Actuals)			FY 11 (Provisional)			FY 12 (Provisional)		
		Opening Equity Invested in Assets	Additions	Closing Equity Invested in Assets	Opening Equity Invested in Assets	Additions	Closing Equity Invested in Assets	Opening Equity Invested in Assets	Additions	Closing Equity Invested in Assets
1	Old REC Scheme	4849		4849	4849		4849	4849		4849
2	New REC Scheme									
3	NABARD Scheme	4763	1212	5975	5975		5975	5975		5975
4	REC-III Scheme					949	949	949	861	1810
5	Others									
6	REC IV Scheme		2081	2081	2081	2131	4212	4212	3298	7510
7	REC-V Scheme					1515	1515	1515	343	1859
	Total share holders funds	9612	3293	12905	12905	4596	17501	17501	4503	22003
8	Rate of return	0.14			0.14			0.14		
9	Total return on equity	1346			1807			2450		

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format 5: Non Tariff Income

(Rs Lakhs)

S.No.	Non Tarif Income	FY 10 (Actual)	FY 11 (Provisional)	FY 12 (Projected)
	Other Miscellaneous Income			
1	Income from Investments			
2	Income from Staff Welfare Activities	4.16	4.26	4.36
3	Income from Misc. receipts	281.91	282.00	282.00
	Total	286.07	286.26	286.36

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format: 6: Working Capital Requirement

(Rs Lakhs)

S. No.	Item	FY 10 (Actual)	FY 11 (Provisional)	FY 12 (Projected)
1	O & M Expenses for 1 month	635	764	971
2	Spare (1% of historical cost)	911	1298	1699
3	Receivable (2 months)	1264	1696	4202
	Working Capital Total	2810	3758	6873
4	Working Capital Interest Rate (%)	10.75%	10.75%	10.75%
5	Working Capital Interest	302	404	739

Power Transmission Corporation of Uttarakhand Limited (PTCUL)

Aggregate Revenue Requirement (ARR)

Format: 6(a) : Calculation of Working Capital

Escalation Factor

6%

(Rs Lakhs)

Particulars	Assets transferred as on 1.6.2004	Additions during FY							
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
GFA	26339	412	2903	34250	5246	409	7852	33208	32324
1% of GFA	263	4	29	342	52	4	79	332	323
Escalated Cost	263	283	329	692	786	837	911	1298	1699

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format 7: Comparative Statement of Approved ARR & Actuals 2009-10

(Rs. In Lakhs)

S. No.	Item	Amount as per Approved ARR	FY 10 (Actual)	Surplus/ (Deficit)
1	O & M Expenses	5814	6442	-628
2	Depreciation	1557	1779	-222
3	AAD	1426	1204	222
4	Interest on Long Term Loans	1732	2464	-732
5	Interest on Working Capital(Normative)	336	336	0
6	Return on Equity	13	1475	-1462
7	Gross Expenditure	10878	13700	-2822
8	Less: Non Tariff Income	625	286	339
9	Net Deficit (Claim under Truing up 2009-10)	10253	13414	-3161

Power Transmission Corporation of Uttarakhand Limited (PTCUL)
Aggregate Revenue Requirement (ARR)

Format 8: Annual Revenue Requirement

(Rs Lakhs)

S. No.	Item	FY 10 (Actual)	FY 11 (Provisional)	FY 12 (Projected)
1	Employee cost	4787	5105	6163
2	Arrears of VI Pay Commission		484	679
3	A & G Expenses	1606	1626	1903
4	R&M expenses	1225	1957	2909
5	Depreciation	2247	1856	3822
6	Advance Against Depreciation	271	3055	1162
7	Interest on Long Term Loans	3496	5257	6835
8	Interest on Working Capital	302	404	739
9	Gross Expenditure	13934	19745	24213
<i>Less</i>	<i>Expense capitalization</i>			
10	Employee cost capitalized	867	1012	1116
11	Interest capitalized	846	2328	2786
12	A&G expenses capitalized	309	313	366
13	Net Expenditure	11912	16092	19945
<i>Add</i>	<i>Special Appropriations</i>			
14	Provision for Contingency Reserve			
15	Total net expenditure with provisions	11912	16092	19945
16	<i>Add: Return on Equity</i>	1346	1807	2450
17	<i>Add: Income Tax Provisions</i>			
18	<i>Add: Truing up for FY 2009-10</i>			3161
19	<i>Less: Non Tariff Income</i>	286	286	286
20	<i>Less: Government Subsidy/ Grant</i>			
21	Annual Revenue Requirement (ARR)	12972	17612	25270