



To

Date: 25.09.2020

The Secretary,
Uttar Pradesh Electricity Regulatory Commission
Vidyut Niyamak Bhawan, Vibhuti Khand,
Gomti Nagar, Lucknow, Uttar Pradesh 226010

Sub: Tariff Petition for the 2nd Control Period 2019-24

Ref: 330 MW Shrinagar Hydro Electric power Project –Reg.

Dear Sir,

Alaknanda Hydro Power Company Limited (AHPCL) is operating, generating and selling power from its 330MW Shrinagar Hydro Electric Power Project (SHEP) near Shrinagar Town, Pauri District, Uttarakhand ("Project"). The project developer, AHPCL desires to file a petition for determination of Tariff for the 2nd Control Period 2019-24 before the Hon'ble Commission. A demand draft of PNB bearing No. 601074 for Rs. 16,50,000/- towards the Court fee and 7 sets of the Tariff Petition are enclosed herewith.

In this context, the Petitioner, AHPCL requests your good offices to be pleased to place the Petition before the Hon'ble Commission for adjudication of the same.

Thanking you

Yours sincerely

Authorised signatory

Encl: Petition and the Affidavit. (1+5 copies with soft copy on CD)
DD no. : PNB 601074 Rs:16,50,000/-

CC: CE PPA UPPCL Lucknow

ALAKNANDA HYDRO POWER COMPANY LIMITED
Palgah House, 156-159, Sardar Patel Road
Secunderabad 500 003
Telangana, India
T +91 40 2790 2663/64 F +91 40 2790 2665
www.gvk.com
CIN : U40100TG1996PLC074796

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VAKALATNAMA

BEFORE THE HON'BLE UTTAR PRADESH ELECTRICITY REGULATORY
COMMISSION AT LUCKNOW

Petition No. _____ of 2020

IN THE MATTER OF:-

Alaknanda Hydro Power Company Limited

... Petitioner

Versus

Uttar Pradesh Power Corporation Ltd

... Respondent

IE Chandan Reddy the authorized representative of the above named Petitioner in the above appeal/petition do hereby appoint and retain Mr. Amit Kapur, Mr. Vishrov Mukerjee, Mr. Janmali Manikala of M/s. J. Sagar Associates, B-303, 3rd Floor, Ansal Plaza, Hudco Place, August Kranti Marg, New Delhi, 110049 (hereinafter called the Advocates) to appear, plead and act for me/us in the above appeal/petition and to conduct and prosecute all proceedings that may be taken in respect thereof and applications for return of documents, enter into compromise and to draw any moneys payable to me/us in the said proceeding and also to appear in all applications for review and for leave to the Supreme Court of India in all applications for review of judgement.

Place: Lucknow

Signature of the Party

Date: 25-09-20

"Accepted"

ATTESTED
I have read in my presence.

LALTA PRASAD CHATURASTHA
25 (Name and Designation)
Advocate & Notary
82 Ram Gopal Vidyant Road
Lucknow U.P. (INDIA)
R. N No 31/32/2000

*Signature with date
(E Chandan Reddy - DGM)



J.Sagar Associates
Advocates & Solicitors,
B-303, 3rd Floor, Ansal Plaza, Hudco Place,
August Kranti Marg,
New Delhi- 110049

BEFORE THE UTTAR PRADESH ELECTRICITY REGULATORY
COMMISSION AT LUCKNOW, UTTAR PRADESH

PETITION NO. OF 2020

IN THE MATTER OF

Alaknanda Hydro Power Company Limited

...Petitioner

Versus

UP Power Corporation Limited (UPPCL)

.....Respondent

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Alaknanda Hydro Power Company Limited
Petitioner

Through:

J. Sagar Associates
Advocates for the Petitioner
B-303, 3rd Floor, Ansal Plaza,
Hudco Place, August Kranti Marg
New Delhi -110 049

ATTESTED

Place: Lucknow

Dated: 25th September, 2020

LALTA PRASAD
Notary
82 Ram Gopal Bagan Road
Lucknow U.P. (INDIA)
R. N No 31/32/2000

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FORM - 2

(See Regulation 31 of UPERC Conduct of Business Regulations, 2004)

BEFORE THE UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION,
AT LUCKNOW

PETITION No. 2020

IN THE MATTER OF:

In the matter of Determination of Tariff for the Control Period
2019-24 for the 330 MW (4x82.5 MW) Shrinagar Hydro Electric
Project under the Power Purchase Agreement dt.28.06.2006
entered into between the Petitioner and the Respondent herein


M/s Alaknanda Hydro Power Company Ltd,
156-159, Paigah House, SP Road
SECUNDERABAD - 500003.

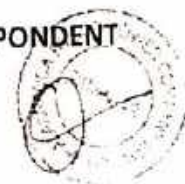
..... PETITIONER

Vs.

UP Power Corporation Limited,
14 - Ashok Marg, Shakti Bhawan,
Lucknow.

..... RESPONDENT


KALRA PRASAD CHAURASIA
Advocate & Notary
82, Ram Gopal Vidyant Road
Lucknow U.P. (INDIA)
Recd. No. 31/32/2000



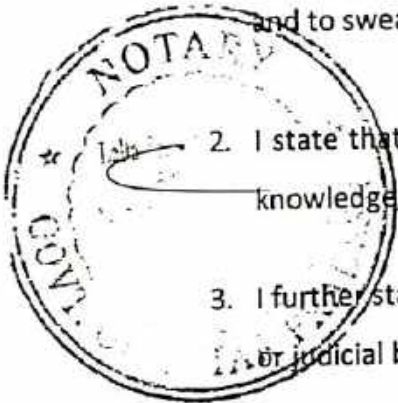
AFFIDAVIT ACCOMPANYING THE PETITION FILED FOR DETERMINATION OF TARIFF FILED UNDER SECTION 86 OF THE ELECTRICITY ACT, 2003 AND UNDER THE TERMS OF UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION (TERMS AND CONDITIONS OF GENERATION TARIFF) REGULATIONS, 2019.

I, E. Chandan, aged about 38 years, son of Mr. E. Avinash Reddy, resident of Villa No 5, Shalimar Grand, Gokhlemarg, Jopling Road, Lucknow UP, Pin 226001, India, working as the DGM of the Applicant, currently in Lucknow, do solemnly affirm and state on oath as follows:

1. I am working as a Deputy General Manager in the Petitioner Company and I am competent to submit the accompanying Petition on behalf the Petitioner-Company and to swear this Affidavit in support thereof.


2. I state that the contents of the accompanying Petition are true and correct to my knowledge, which are based on the records maintained by the Petitioner-Company.

3. I further state that there is no other case or petition pending before any other Court or judicial body in connection to the issues involved in the accompanying Petition.

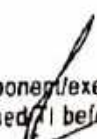


VERIFICATION

Verified this on this the 25th day of September, 2020 that the contents of paragraph 1 to 3 are true based on facts and correct upon information received and believed to be true to the best of my knowledge and belief.

Sworn and Verified
before me.

LALITA PRASAD CHAURASIA
Advocate & Notary
82, Ram Gopal Jyoti Road
Lucknow U.P. (INDIA)
Regd. No. 31/52/2000



I Identify the deponent/executant
who has/have Signed before me


BEFORE THE HON'BLE UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION

PETITION NO. OF 2020

IN THE MATTER OF:

Petition for determination of Tariff for 330 MW (4X82.5 MW) Shrinagar Hydro Electric Project for the control period FY 2019-20 to FY 2023-24 in terms of Section 62 and 86 of Electricity Act 2003 read with Uttar Pradesh Electricity Regulatory Commission (Terms and Conditions of Determination of Tariff) Regulations 2019 and Amended and Restated PPA dates 28.6.2006 executed between Alaknanda Hydro Power Company Limited and Uttar Pradesh Power Corporation Limited



IN THE MATTER OF:

Alaknanda Hydro Power Corporation Limited

156-159, Paigah House, SP Road,
Secunderabad – 500003

...Petitioner

Versus

Uttar Pradesh Power Corporation Limited

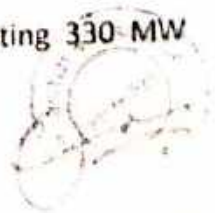
14- Ashok Marg, Shakti Bhawan
Lucknow 226001

...Respondent

PETITION SEEKING DETERMINATION OF TARIFF FOR CONTROL PERIOD FOR FY 2019-20 TO FY 2023-24

A. BACKGROUND

1. Alaknanda Hydro Power Company Limited ("AHCPL") is a company incorporated under the provisions of Companies Act 1956, with the object of engaging in the business of establishing, maintaining and operating 330 MW



(4X82.5 MW) Shrinagar Hydro Electric Project ("Project") located across river Alaknanda at Shrinagar districts of Tehri and Pauri Garwal in the state of Uttarakhand.

2. AHPCL executed an amended and restated Power Purchase Agreement on 28.06.2006 ("PPA") for sale of electricity from the Project with Uttar Pradesh Power Corporation Limited ("UPPCL"). In terms of the PPA, 88% of net energy generated by the project shall be supplied exclusively to UPPCL and the balance 12% of the Net energy is supplied free of cost to the Government of Uttarakhand. Under the agreement the supply of 12% of free power to GoUK is to be facilitated by UPPCL. The PPA is executed for an initial period of thirty years from COD of the project which can be extended for a further period of 20 years upon mutual consent.

3. The present petition is being filed by the Petitioner for the approval of Annual Fixed Cost and Tariff for the sale of electricity from the project for the control period FY 2019-20 to FY 2023-24 in terms of the UPERC (Terms and Conditions of Determination of Generation Tariff) Regulations 2019 ("UPERC Regulations").

4. This Hon'ble Commission vide order dated 24.08.2020 in Petition No. 1267 of 2017 has approved a final completed capital cost of the Project as Rs.4061.96 Cr for the project against AHPCL's claim of Rs.5533.3 Cr. Furthermore, AHPCL has filed Petition No. 1401 of 2018 seeking determination of tariff payable for the Project for FY 2015-19 and the same is pending. The outcome of the Petition no. 1401 of 2018 will have a bearing on the present Petition and AHPCL reserves its rights in this regard. The Petition has been filed by AHPCL on the basis of approved capital cost for the Project in Order dated 24.08.2020 and in terms of



the UPERC Regulations. AHCPL reserves its rights to challenged Order dated 24.08.2020 in accordance with law.

5. Pursuant to this Hon'ble Commission directions in Petition No. 1303 of 2018, to negotiate and to keep tariff at sustainable levels, AHPCL and UPPCL executed a Memorandum dated 15.02.2019 in terms of which parties had agreed to certain revised parameters to ensure that the tariff remains reasonable despite the capital cost of Rs. 5,290.51 Crore. However, in terms of Order dated 24.08.2020, UPERC has only allowed Rs 4061.96 Crore as the completed capital cost of the Project, thereby disallowing Rs 1228.55 Crore. The disallowance of Rs 1228.55 Crores by Hon'ble UPERC is far greater than the reduction in cost as discussed between AHPCL and UPPCL prior to executing the Memorandum. Therefore, it would be untenable for AHPCL to implement the Memorandum and the said Memorandum is no longer binding on AHCPL

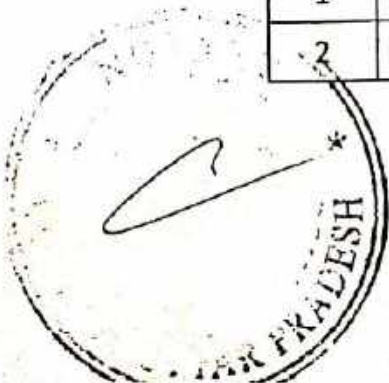
6. Accordingly, the present Petition has been filed seeking determination of tariff for FY 2019-20 to FY 2023-24 on the basis of the norms and parameters provided in the UPERC Regulations.

B. PROJECT COST

7. The capital cost considered for the purpose of calculations in this petition is the Capital Cost approved by Hon'ble Commission in the order dated 24.08.2020 i.e. Rs.4061.96 Cr. No additional capital expenditure is envisaged during the control period. The details of the Capital Cost are tabulated below:

Table 1 Project Cost as Approved by Hon'ble Commission (In INR Lakhs)

S/No.	Particular	Amount
1	Infrastructure (Tabbl1)Work	15797
2	Major Civil Works	204162



S.No.	Particular	Amount
3	Hydro Mechanical Equipment	9507
4	Plant and Equipment	35576
5	Taxes and Duties	5090
6	Construction and Pre- Commissioning Expenses	3880
7	Overheads and R&R	45244
8	IDC FC and FERV	88325
9	Less: Income during course of construction	1385
	Total	406196

8. Accordingly, the statement of capital cost during the control period is as under:

Table 2 Statement of Capital Cost During the Control Period (In INR Lakhs)

Particulars	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Opening Capital Cost	406196	406196	406196	406196	406196
Add: Addition during the year / period	0.00	0.00	0.00	0.00	0.00
Less: Decapitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
Less: Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
Add: Discharges during the year / period	0.00	0.00	0.00	0.00	0.00
Closing Capital Cost	406196	406196	406196	406196	406196
Average Capital Cost	406196	406196	406196	406196	406196

Re: Technical Parameters

9. The technical parameters of the Project in terms of the UPERC Regulations are as under:

- (a) **Design Energy:** The Central Electricity Authority ("CEA") on the basis of hydrological data for the period of 1971-72 to 2015-16 approved by CWC, has approved a design energy of 1251.94 MU vide letter dated 14.05.2018. Accordingly, this Hon'ble Commission may be pleased to consider the design energy for FY 2019-20 to FY 2023-24 as 1251.94 MU.
- (b) **Normative Annual Plant Availability Factor:** Since the Project is run of the river, the normative plant availability is to be determined in terms of Regulation 27(i)(d) of the UPERC Regulations as under:

"27. Norms for Hydro Power generating stations

(i) Normative Annual station Availability Factor for recovery of full capacity charges

...

"(d) Run of river plants: NAPAF to be determined plant wise based on 10-day design energy data, moderated by past experience where available/ relevant."

The design energy certified by CEA for the project is 1251.94 MU. Accordingly, NAPAF works out to be 43.31%. This Hon'ble Commission may be pleased to approve the NAPAF of 43.31% for FY 2019-20 to FY 2022-23.

- (c) **Auxiliary Consumption:** In terms of Regulation 27(ii) of UPERC Regulations, the Auxiliary Consumption for the Project has been considered as 1%.



C. ANNUAL FIXED COST

10. In terms of Regulation 23 of the UPERC Regulations, the capacity charges are to be derived on the basis of annual fixed cost as under:

"23. Components of Tariff:

...

(2) The Capacity Charges shall be derived on the basis of annual fixed cost. The Annual Fixed Cost (AFC) of generating stations shall consists of the following components:

- a. Return on Equity*
- b. Interest on loan Capital*
- c. Depreciation*
- d. Interest on Working Capital*
- e. Operation and Maintenance Expenses"*

1.1 Return on Equity

Re: Debt Equity Ratio

11. In terms of Regulation 22 (1)(ii) of the UPERC Regulations, the debt equity ratio is to be considered on actuals, if the actual equity is less than 30% as under:-

"22. Debt-Equity Ratio

..

In case of generating station where actual equity employed is less than 30%, the actual debt and equity shall be considered for determination of tariff.

The actual equity invested by the petitioner is Rs.1165 Cr which comes to 28.68% of the approved project cost of Rs.4061.96 Cr. Thus, in line with the regulations the Petitioner submits that it has considered the debt equity ratio of 71.32 :

28.68. It is prayed that the Hon'ble Commission approve the debt equity ratio as



71:32 : 28.68. In terms of Regulation 24(i) of the UPERC Regulations, the return on equity will be computed at 15% per annum as under:

"24. Capacity (fixed) Charge

...

(i) Return on Equity

Return on Equity Shall be computed in rupee terms on the equity base determined in accordance with this regulations @15% per annum;

Provided that the rate of return of a new project shall be reduced by up to 1% for such period as may be decided by the commission, if the generating station is found to be declared under commercial operation without commissioning of any of the Restricted Governor Mode Operation (RGMO) or Free Governor Mode Operation (FGMO), data telemetry, communication system up to load dispatch centre or protection system based on the report submitted by SLDC;

Provided also that as and when any of the above requirements are found lacking in an existing generating station based on the report submitted by the SLDC, RoE may be reduced by up to 1% for such period as may be decided by the Commission;"

12. The equity invested by the petitioner in the project is Rs.1165.03 Crore which is less than 30% of the approved capital cost of Rs.4061.96 Cr. Hence the actual equity invested has been considered as equity base for calculation of return on equity. Accordingly, the Return on Equity for control period FY 2019-20 to FY 2023-24 is as under:



Table 3 Statement of Capital Cost During the Control Period (In INR Lakhs)

S. No.	Particulars	FY 2019- 20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
1	2	3	4	5	6	7
	Opening Equity	116503.00	116503.00	116503.00	116503.00	116503.00
	Add: Increase due to addition during the year / period	0.00	0.00	0.00	0.00	0.00
	Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
	Closing Equity	116503.00	116503.00	116503.00	116503.00	116503.00
	Average Equity	116503.00	116503.00	116503.00	116503.00	116503.00
	Rate of ROE	15.000%	15.000%	15.000%	15.000%	15.000%
	Return on Equity	17475.45	17475.45	17475.45	17475.45	17475.45

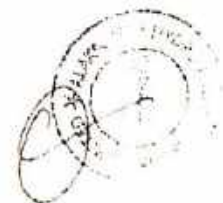
1.2 Interest on loan capital

13. In terms of Regulation 24(ii) of the UPERC Regulations, interest on loan capital is to be computed as under:

24. Capital Cost

..

- (ii) *Interest on Loan Capital*
- (a) *Interest on loan capital shall be computed loan wise on the loans arrived at in the manner indicated in these Regulations.*
- (b) *The loan outstanding as on 1st April 2019 shall be worked out as the gross loan as per Regulations minus cumulative repayment as admitted by the Commission up to 31st March 2019. The repayment for any financial year during the tariff Period shall be deemed to be equal to the depreciation allowed for that financial year.*
- In case of de-capitalisation of assets, the repayment shall be adjusted by taking into account cumulative repayment on a pro-rata basis and the adjustment should not exceed cumulative depreciation recovered up to the date of de-capitalisation of such asset.*
- (c) *The rate of the interest shall be the weighted average rate of interest calculated on the basis of actual loans at the beginning of each financial year and shall be adjusted based on actual loan each financial year accordingly.*
- (d) *If there is no actual loan for a particular financial year but normative loan is still outstanding, the last available weighted average of interest shall be considered.*
- (e) *The generating company shall make every effort to re-finance the loan as long as it results in net benefit to the beneficiaries. The costs associated with such re-financing shall be borne by the beneficiaries and the net savings shall be shared between the beneficiaries and the generating company in the ratio of 50:50. The above facts shall be certified by statutory Auditor.*
- (f) *The changes to the loan terms and conditions shall be reflected from the date of such re-financing and benefit passed on to the beneficiaries.*



(g) In case any moratorium period is availed of by the generating company, Depreciation provided for in the tariff during the years of moratorium shall be treated as repayment during those years and interest on loan capital shall be calculated accordingly.

(h) In case, the generating company has contracted floating/ variable rate of interest on loan resetting at certain interval of time the impact of change in rate if interest shall be assessed by the generating company on account of such resetting duly certified by statutory auditor and the capacity charge of the relevant financial year shall be adjusted for such impact and billed accordingly to beneficiary without approaching the Commission for change in tariff on this account.

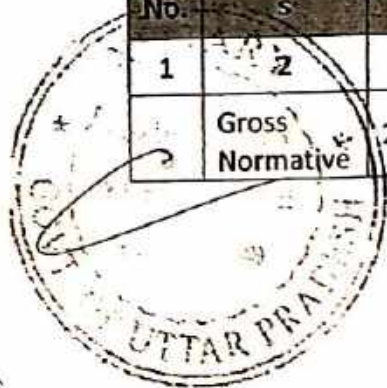
Provided if the generating company does not have actual loan or have re-financed the loan resulting in no specific loan attributable to the generating station then the weighted average rate of interest of the generating company as a whole shall be considered.

Provided also in case of dispute, any party to such dispute may approach the Commission with proper application and it shall be ensured that the payment to the generating company is not withheld during pendency of the dispute.:

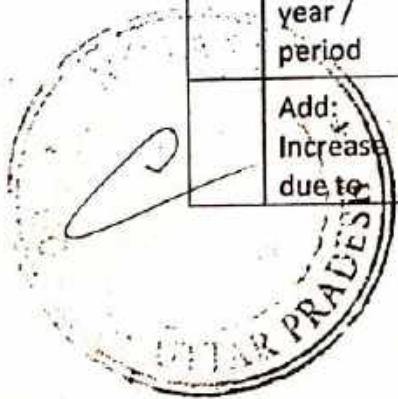
14. The Petitioner submits that the normative loan amount has been considered by reducing the actual equity invested from the Approved Capital Cost of Rs. 4061.9 Cr. The interest rate for calculation of interest on loan is considered as the weighted average rate of interest on the loans of AHPCL which comes to 12.6% for the second control period. The Calculation of Interest on loan capital the control period FY 2019-20 to FY 2023-24 in line with the UPERC Regulations has been tabulated as under:-

Table 4 Interest on Loan (In INR Lakhs)

S. No.	Particulars	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
1	2	3	4	5	6	7
	Gross Normative	2,89,694.00	2,89,694.00	2,89,694.00	2,89,694.00	2,89,694.00



S. No.	Particulars	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
1	2	3	4	5	6	7
	loan – Opening					
	Cumulative repayment of Normative loan upto previous year	64,002.39	80,612.83	97,223.27	1,13,833.71	1,30,444.15
	Net Normative loan – Opening	2,25,691.61	2,09,081.17	1,92,470.73	1,75,860.29	1,59,249.85
	Add: Increase due to addition during the year / period	0.00	0.00	0.00	0.00	0.00
	Less: Repayment during the year	16,610.44	16,610.44	16,610.44	16,610.44	16,610.44
	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
	Add: Increase due to	0.00	0.00	0.00	0.00	0.00



S. No.	Particulars	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
1	2	3	4	5	6	7
	discharges during the year / period					
	Net Normative loan - Closing	2,09,081.17	1,92,470.73	1,75,860.29	1,59,249.85	1,42,639.41
	Average Normative loan	2,17,386.39	2,00,775.95	1,84,165.51	1,67,555.07	1,50,944.63
	Weighted average rate of interest	12.60%	12.60%	12.60%	12.60%	12.60%
	Interest on Loan	27394.14	25300.49	23206.79	21113.01	19019.10

1.3 Depreciation

15. In terms of Regulations 24 (iii) of the UPERC Regulations, depreciated is to be computed as under:

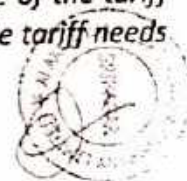
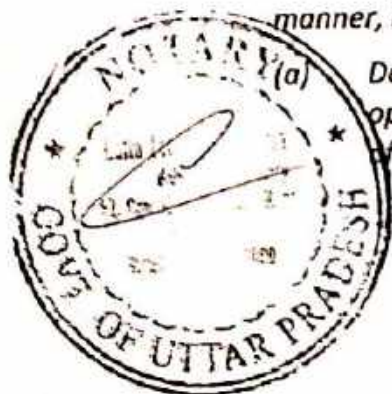
24. Capital Cost

...

(iii) Depreciation

"For the purpose of tariff, depreciation shall be computed in the following manner, namely:

(a) Depreciation shall be computed from the date of commercial operation of generating station or unit thereof. In case of the tariff of all the units of a generating station for which a single tariff needs



to be determined, the depreciation shall be computed from the effective date of commercial operation of the generating station taking into Consideration the depreciation of individual units or elements thereof.

Provided that effective date of commercial operation shall be worked out by considering the actual date of commercial operation and installed capacity of all the units of the generating station for which single tariff needs to be determined.

- (b) The value base for the purpose of depreciation shall be capital cost of the assets as admitted by Commission. In case of multiple units of a generating station weighted average life for the generating station shall be applied. Depreciation shall be chargeable from the first year of operation. In case of operation of the asset for part of the year, depreciation shall be charged on pro-rata basis.
- (c) The residual life of the asset shall be considered as 10% and depreciation shall be allowed up to maximum of 90% of the capital cost of the asset. Land other than the land held under lease shall not be a depreciable asset and its cost shall be excluded from the capital cost while computing depreciable value of asset.

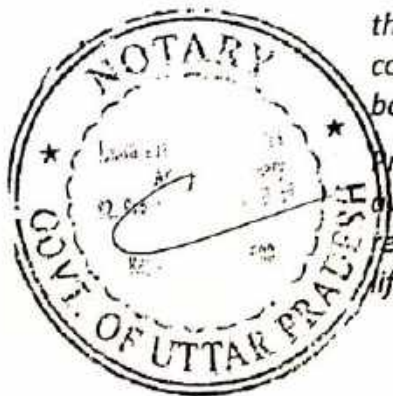
Provided that in case of hydro generating station, the salvage value shall be as provided in the agreement signed by the developers with the State Government for development of the station.

Provided further that the capital cost of the assets of the hydro generating station for the purpose of computation of depreciable value shall correspond to the percentage of sale of electricity under long-term purchase agreement at regulated tariff.

- (d) In case of new projects, depreciation shall be calculated annually, based on straight line method over the useful life of the asset and at the rates prescribed in Appendix III to these Regulations.

Provided that the remaining depreciable value as on 31st March of the year closing after a period of 12 years from the effective date of commercial operation of the station shall be spread over the balance useful life of the assets.

Provided also that any depreciation disallowed on account of lower availability of the generating station shall not be allowed to be recovered at a later stage during the useful life and the extended life.



- (e) *In case of the existing projects, the balance depreciable value as on 01.04.2019 shall be worked out by deducting the cumulative depreciation as admitted by Commission upto 31.3.2019 from the gross depreciable value of the assets. The rate of depreciation shall be continued to be charged at the rate specified in Appendix III till cumulative depreciation reaches 70%. Thereafter the remaining depreciable value shall be spread over remaining life of the asset such that the maximum depreciation does not exceed 90%.*

Provided also that any depreciation disallowed on account of lower availability of the generating station shall not be allowed to be recovered at a later stage during the useful life and the extended life.

- (f) *The generating company shall submit the details of proposed capital expenditure during the fag end of the project (five years before the completion of useful life) along with justification and proposed life extension. The Commission, based on prudence check of such submissions, shall approve the depreciation on capital expenditure during the fag end of the project.*
- (g) *In case of de-capitalization of assets in respect of generating station or unit thereof the cumulative depreciation shall be adjusted by taking into account the depreciation recovered in tariff by the decapitalized asset during its useful services."*

16. Accordingly, the weighted average rate of depreciation has been calculated as under:

Table 5 Weighted Average Depreciation

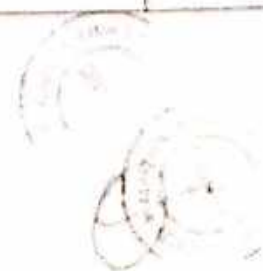
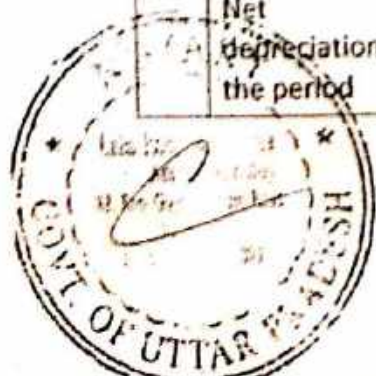
Name of the Asset	Gross Block as on 31.03.2019 or as on COD	Depreciation Rates as per CERC's Depreciation Rate Schedule
Land & Land Rights	1429.0	0.00%
Lease Hold Land	1882.0	3.34%
Buildings	2,79,427.41	3.34%
Plant & Machinery	1,23,098.28	5.83%
Vehicles	46.60	9.50%

Name of the Asset	Gross Block as on 31.03.2019 or as on COD	Depreciation rates as per CERC's Depreciation Rate Schedule
Furniture & Fixtures	69.88	6.33%
Office Equipment's	86.01	6.33%
Computers	61.47	15.00%
Computer Software	97.35	15.00%
Undischarged Liabilities		
TOTAL	4,06,198.00	4.09%

Calculation of depreciation for the control period FY 2019-20 to FY 2023-24 has been tabulated as under:

Table 6 Depreciation for the Control Period (In INR Lakhs)

S. No.	Particulars	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
1	2	3	4	5	6	7
	Opening Capital Cost	406196.00	406196.00	406196.00	406196.00	406196.00
	Closing Capital Cost	406196.00	406196.00	406196.00	406196.00	406196.00
	Average Capital Cost	406196.00	406196.00	406196.00	406196.00	406196.00
	Rate of depreciation	4.09%	4.09%	4.09%	4.09%	4.09%
	Depreciable value	365577.30	365577.30	365577.30	365577.30	365577.30
	Remaining depreciable value	406196.00	406196.00	406196.00	406196.00	406196.00
	Depreciation (for the period)	16610.44	16610.44	16610.44	16610.44	16610.44
	Depreciation (annualised)	16610.44	16610.44	16610.44	16610.44	16610.44
	Net Cumulative depreciation at the end of the period	80612.83	97223.27	113833.71	130444.15	147054.59



It is prayed that the Hon'ble Commission to approve the depreciation as computed above for the control period FY 2019-20 to FY 2023-24.

1.4 Operation and Maintenance expenses:

17. In terms of Regulation 24 (iv) (e) and (h) of the UPERC Regulations, Operation and Maintenance Expenses are to be computed as under:

"24. Capital Cost

...

(iv) Operations and Maintenance Expenses

"(e) The normative values of operation and maintenance expenses including insurance, for the existing hydro generating stations shall be as approved by the Commission in the tariff order based on the expenses approved in the previous control period, escalation rate of 4.47% per annum and any other factor as considered appropriate by the Commission.

...

(h) The generating station shall submit the details of year wise actual capital spares consumed at the time of truing up with appropriate justification for incurring the same and substantiating that the same is not funded through special allowance or claimed as a part of additional capitalization or consumption of stores and spares and renovation and modernization."

18. For the purpose of the Operation and Maintenance Expenses for the Control Period FY 2019-20 to FY 2023-24 the O&M expenses for FY 2018-19 has been escalated at the rate of Rs. 4.47% in line with the regulations.

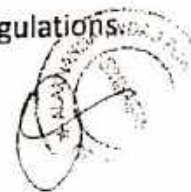


Table 7: O&M Expenses (In INR Lakhs)

S. No.	Particulars	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
1	Base O&M Expenses	11517.9					
2.	Escalation Rates		4.47%	4.47%	4.47%	4.47%	4.47%
3.	O&M Expenses for Control Period		12032.7	12570.6	13132.5	13719.5	14332.8

1.5 Interest on Working Capital:

19. In terms of Regulation 24(v) of the UPERC Regulations, interest on working capital is to be computed as under:

"24. Capacity (Fixed) Charge:

...

v. Interest on Working Capital

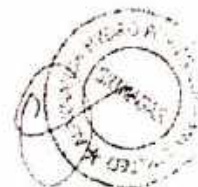
(c) Working capital for Hydro generating stations shall cover:

- i. Operation and Maintenance Expenses for 1 month
- ii. Maintenance Spares @15% of operation and maintenance expenses and;
- iii. Receivables equivalent to 45 days of Annual Fixed Cost.

(d) Rate of interest on working capital shall be on normative basis and shall be considered as the Bank Rate as on 1.4.2019 or as on 1st April of the year during the tariff period 2019-24 in which the generating station or a unit thereof is declared under commercial operation, whichever is later. The interest on working capital shall be payable on normative basis notwithstanding that the generating company has not taken working capital loan from any outside agency.

The Bank Rate has been defined in the UPERC Regulations as under:

'Bank Rate' means one-year Marginal Cost of Lending Rate (MCLR) of the State Bank of India issued from time to time, or any replacement thereof for the time being in effect, plus 350 basis points;



Accordingly, the rate of interest on working capital has been considered as 12.05%, (SBI MCLR on 01.04.2019 8.55% plus 350 basis points)

27. The calculation of Interest on Working Capital for control period FY 2019-20 to FY 2023-24 has been tabulated as under:

Table 8 Calculation of Working Capital and Interest on Working Capital

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	O & M Expenses	1002.73	1047.55	1094.38	1143.29	1194.40
2	Maintenance Spares	1804.91	1885.59	1969.88	2057.93	2149.92
3	Receivables	9216.60	9049.43	8859.70	8673.20	8490.06
4	Total Working Capital	12024.00	11983.00	11924.00	11874.00	11834.00
5	Rate of Interest	12.05%	12.05%	12.05%	12.05%	12.05%
6	Interest on Working Capital	1448.89	1443.95	1436.84	1430.82	1426.00

It is prayed that this Hon'ble Commission approve Interest on Working Capital as detailed above.

1.6 Annual Fixed Cost

20. The Annual Fixed Cost based on the components calculated above the annual fixed cost has been tabulated as under:

Table 9 Annual Fixed Cost (In INR Lakhs)

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
11	Depreciation	16610.44	16610.44	16610.44	16610.44	16610.44



S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1.2	Interest on Loan	27394.14	25300.49	23206.79	21113.01	19019.10
1.3	Return on Equity	17475.45	17475.45	17475.45	17475.45	17475.45
1.4	Interest on Working Capital	1448.89	1443.95	1436.84	1430.82	1426.00
1.5	O & M Expenses	12032.75	12570.61	13132.52	13719.54	14332.80
	Total	74961.67	73400.94	71862.04	70349.26	68863.79

It is prayed that this Hon'ble Commission approve the AFC as calculated above.

II. Capacity and Energy Charges

a. Capacity Charges

21. In terms of regulation 25(ii) of UPERC Regulations, capacity charges are payable to AHPCL as under:

"Billing and payment of capacity charges shall be done on a monthly basis in the following manner:

...

(ii) *For a hydro generating station, each beneficiary shall pay the capacity charges in proportion to its percentage share in total saleable capacity of the generating station. Saleable capacity shall mean total capacity minus free capacity to home state(s) in case of IPP, if any.*

Note-1

Allocation of total capacity of State sector generating stations is made by State Government from time to time.

Note-2

The beneficiaries may propose surrendering part of their allocated share. In such cases, depending upon the technical feasibility of power transfer



and specific agreements reached by the generating company with other States within/outside the state for such transfers, the shares of the beneficiaries may be re-allocated by the State Government for a specific period. When such re-allocations are made, the beneficiaries who surrender the share shall not be liable to pay capacity charges for the surrendered share. The capacity charges for the capacity surrendered and reallocated as above shall be paid by that beneficiary to whom the surrendered capacity is allocated. Except for the period of reallocation of capacity as above, the beneficiaries of the generating station shall continue to pay the full fixed charges as per allocated capacity shares.

(iii) The beneficiaries shall have full freedom for negotiating any transaction for utilisation of their capacity shares. In such cases, the beneficiary having allocation in the capacity of the generating station shall be liable for full payment of capacity charges and energy charges (including that for sale of power under the transaction negotiated by him) corresponding to his total allocation and schedule respectively.

(iv) If any capacity remains un-requisitioned during day-to-day operation, the State Load Despatch Centre shall advise all beneficiaries in the state and the other States/Regional Load Despatch Centres so that such capacity may be requisitioned through bilateral arrangements either with the concerned generating company or with the concerned beneficiary(ies) under intimation to the State Load Despatch Centre.

The information regarding un-requisitioned capacity will also be made available by the other State Load Des patch Centre through their respective websites.

(a) The total capacity charge payable for a thermal generating station shall be shared by its beneficiaries as per their respective percentage share / allocation in the capacity of the generating station. The capacity charge payable to a thermal generating station for a calendar month shall be calculated in accordance with the following formulae:

The capacity charges for a hydro generating station (inclusive of incentive) shall be paid by the beneficiary(ies) including those outside the state/region to the generating company, every month in accordance with the following formula and in proportion to their respective shares in the concerned generating station for a calendar month and shall be equal to:

$$AFC \times 0.5 \times NDM / NDY \times (PAFM / NAPAF) \text{ (in Rupees)}$$

Where:



AFC = Annual fixed cost specified for the year, (in Rupees)

NAPAF = Normative plant availability factor (in percentage)

NDM = Number of days in the month

NDY = Number of days in the year

PAFM = station availability factor achieved during the month, (in %)

PAFM up to the end of a particular month shall be computed in accordance with the following formula:

$$PAFM = 10000 \times \sum_{i=1}^N DCi / \{N \times IC \times (100 - AUX)\} \%$$

Where,

AUX=Normative auxiliary energy consumption (in percentage).

DCi = Declared capacity (in ex-bus MW) for the it day of the month which the station can deliver for at least three (3) hours, as certified by the nodal load dispatch Centre after the day is over. IC Installed Capacity (in MW) of the complete generating station

N= Number of days in the month.

b. Energy Charges

22. In terms of regulation 28 (vi) of the UPERC Regulations, Energy charges payable to AHPCL are as under:

(Vi) Energy charges for hydro-generating stations

(a) The energy charge shall be payable by every beneficiary for the total energy scheduled to be supplied to the beneficiary, excluding free energy, if any, during the calendar month, on ex power plant basis, at the computed energy charge rate. Total Energy charge payable to the generating company for a month shall be:

$$(Energy\ charge\ rate\ in\ Rs.\ /\ kWh) \times Scheduled\ energy\ (ex-bus)\ for\ the\ month\ in\ kwh \times (100\ FEHS) / 100$$

(b) Energy charge rate (ECR) in Rupees per kw on ex-power plant basis, for a hydro generating station, shall be determined up to three decimal places based on the following formula, subject to the provisions of clause

(c):

$$ECR = AFC \times 0.5 \times 10 / \{DE \times (100 - AUX) \times (100 - FEHS)\}$$

Where;

DE = Annual design energy specified for the hydro generating station, in MWh, subject to the provision in clause (c) below.

FEHS = Free energy for home State, in percent and shall be taken as 12% or actual, whichever is less.

Provided that in cases where the site of a hydro project is awarded to a developer, by the State Government by following a two-stage transparent process of bidding, the "free energy" shall be taken as 12%,

c) In case the actual total energy generated by a hydro generating station during a year is less than the design energy for reasons beyond the control of the generating station, the following treatment shall be applied on a rolling basis on an application filed by the generating company:

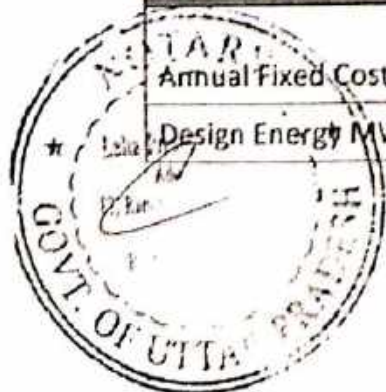
In case the energy shortfall occurs within ten years from the date of commercial operation of a generating station, the ECR for the year following the year of energy shortfall shall be computed based on the formula specified in clause (b) with the modification that the DE for the year shall be considered as equal to the actual energy generated during the year of the shortfall, till the energy charge shortfall of the previous year has been made up, after which normal ECR shall be applicable:

Provided that in case actual generations from a hydro generating station is less than the design energy for a continuous period of 4 years on account of hydrology factor, the generating station shall approach CEA with relevant hydrology data for revision of design energy of the station. In case the energy shortfall occurs after ten years from the date of commercial operation of a generating station, the following shall apply:

23. The projected Energy Charge Rate for the Control Period is provided as under:

Table 10 Energy Charge Rate

Particular	2019-20	2020-21	2021-22	2022-23	2023-24
Annual Fixed Cost	74961.6 7	73400.9 4	71862.0 4	70349.2 6	68863.7 9
Design Energy MWh	1251940	1251940	1251940	1251940	1251940



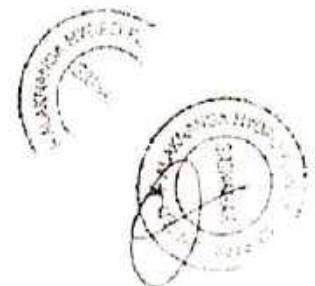
Particular	2019-20	2020-21	2021-22	2022-23	2023-24
Aux Consumption (%)	1%	1%	1%	1%	1%
FEHS (%)	12%	12%	12%	12%	12%
Energy Charge Rate (Rs./kWh)	2.998	2.935	2.874	2.813	2.754

24. The copies of the tariff forms 1-16 are annexed hereto and marked as **Annexure A**

PRAYER

25. The Petitioner in light of the above explanations and calculations most humbly prays that the Hon'ble Commission may be pleased to –

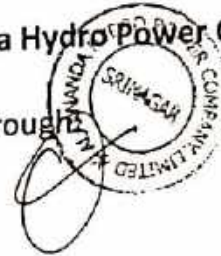
- (a) Allow/ determine the Annual Fixed Charges for the Project of Alaknanda Hydro Power Company Limited [AHPCL] for the period 01.04.2019 to 31.03.2024 as detailed in Tariff Forms - 1 to 16.
- (b) Allow the Capacity Charges as detailed in paragraph 20
- (c) Allow the Energy Charges as detailed in section paragraph 22
- (d) Allow any addition, change, modification, alteration of the present petition, if required, at a later stage; and
- (e) Basing on the submissions made hereinabove, the Hon'ble Commission may be pleased to determine the Provisional Tariff payable by the Respondent till the time the Hon'ble Commission disposes of the present Petition.



- (f) Pass such order(s) as the Hon'ble Commission may deem fit in the circumstances and facts of the present petition

Alaknanda Hydro Power Corporation Limited
Petitioner

Through



J. Sagar Associates
Advocates for the Petitioner
B-303, 3rd Floor, Ansal Plaza,
Hudco Place, August Kranti Marg,
New Delhi -110 049

New Delhi

Date: 25.09.2020



CHECK LIST OF TARIFF FORMS FOR TARIFF FILING OF HYDRO STATIONS		
Form No.	Title of Tariff Filing Forms (Hydro)	Tick
FORM- 1	Summary Sheet	✓
FORM-2	Details of COD, Type of hydro station, Normative Annual Plant Availability Factor(NAPAF) & Other normative parameters considered for tariff calculation	✓
FORM-3	Salient Features of Hydroelectric Project	✓
FORM- 4	Details of Foreign loans	✓
FORM- 4A	Details of Foreign Equity	NA
FORM-5	Abstract of Admitted Capital Cost for the existing Projects	NA
FORM-5A	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New projects	NA
FORM-5B	Break-up of Capital Cost for Hydro Power Generating Station	✓
FORM-5C	Break-up of Capital Cost for Plant & Equipment	NA
FORM-5D	Break-up of Construction/Supply/Service packages	NA
FORM-5Ei	In case there is cost over run	✓
FORM-5Eii	In case there is time over run	NA
FORM-5F	In case there is claim of additional RoE	✓
FORM- 6	Financial Package upto COD	✓
FORM- 7	Details of Project Specific Loans	NA
FORM- 8	Details of Allocation of corporate loans to various projects	NA
FORM-9A	Statement of Additional Capitalisation after COD	NA
FORM 9B	Statement of Additional Capitalisation during fag end of the Project	NA
FORM 9Bi	Details of Asset De-capitalised during the period	NA
FORM- 9C	Statement showing reconciliation of ACE claimed with the capital additions as per books	NA
FORM- 9D	Statement showing items/assets/works claimed under Exclusions	✓
FORM- 9E	Statement of Capital cost	NA
FORM- 9F	Statement of Capital Woks in Progress	NA
FORM- 10	Financing of Additional Capitalisation	✓
FORM- 11	Calculation of Depreciation	✓
FORM- 12	Statement of Depreciation	✓
FORM- 13	Calculation of Weighted Average Rate of Interest on Actual Loans	✓
FORM- 13A	Calculation of Interest on Normative Loan	✓
FORM- 13B	Calculation of Interest on Working Capital	NA
FORM- 13C	Other Income as on COD	NA
FORM- 13D	Incidental Expenditure during Construction	✓
FORM- 14	Draw Down Schedule for Calculation of IDC & Financing Charges	✓
FORM- 14A	Actual cash expenditure	✓
FORM- 15A	Design energy and peaking capability (month wise)- ROR with Pondage/Storage type new stations	NA
FORM- 15B	Design energy and MW Continuous (month wise)- ROR type stations	✓
FORM- 16	Liability Flow Statement	NA



PART-II
FORM-1

Summary Sheet

Name of the Petitioner : ALAKNANDA HYDRO POWER COMPANY LIMITED
 Name of the Generating Station : 330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT
 Region : NORTHERN REGION State: UTTAR PRADESH

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24	Rs. In Lakh
1	2	3	4	5	6	7	
1.1	Depreciation	16610.44	16610.44	16610.44	16610.44	16610.44	16610.44
1.2	Interest on Loan	27394.14	25300.49	23206.79	21113.01	19019.10	19019.10
1.3	Return on Equity ¹	17475.45	17475.45	17475.45	17475.45	17475.45	17475.45
1.4	Interest on Working Capital	1448.89	1443.95	1436.84	1430.82	1426.00	1426.00
1.5	O & M Expenses	12032.75	12570.61	13132.52	13719.54	14332.80	14332.80
	Total	74961.67	73400.94	71862.04	70349.26	68863.79	68863.79

¹ Details of calculations, considering equity as per regulation, to be furnished.

Petitioner



PART-II
FORM-1 (I)

Statement Showing Claimed Capital Cost

ALAKNANDA HYDRO POWER COMPANY LIMITED
330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT
NORTHERN State: UTTAR PRADESH

Name of the Petitioner :
Name of the Generating Station :
Region

Rs. In Lakh

S. No.	Particulars	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Remarks
1	2						
	Opening Capital Cost	406197.00	406197.00	406197.00	406197.00	406197.00	
	Add: Addition during the year / period	0.00	0.00	0.00	0.00	0.00	
	Less: Decapitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	
	Less: Reversal during the year / period	0.00	0.00	0.00	0.00	0.00	
	Add: Discharges during the year / period	0.00	0.00	0.00	0.00	0.00	
	Closing Capital Cost	406197.00	406197.00	406197.00	406197.00	406197.00	
	Average Capital Cost	406197.00	406197.00	406197.00	406197.00	406197.00	

Note

1: Details of calculations, considering equity as per regulation, to be furnished.

Petitioner



PART-II
FORM- 1 (III)

Statement Showing Return on Equity

ALAKNANDA HYDRO POWER COMPANY LIMITED
330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT
State: UTTAR PRADESH

Name of the Petitioner :
Name of the Generating Station :
Region: NORTHERN REGION

S. No.	Particulars	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Rs.in Lakh
1	2	3	4	5	6	7	8
	Opening Equity	0	0	0	0	0	
	Add: Increase due to addition during the year / period						
	Less: Decrease due to de-capitalisation during the year / period						
	Less: Decrease due to reversal during the year / period						
	Add: Increase due to discharges during the year / period	116503	116503	116503	116503	116503	
	Closing Equity	116503	116503	116503	116503	116503	
	Average Equity	15.00%	15.00%	15.00%	15.00%	15.00%	
	Rate of ROE	17475	17475	17475	17475	17475	
	Return on Equity						

Petitioner



		PART-II	
		FORM- 2	
Details of COD, Type of hydro station, Normative Annual Plant Availability Factor (NAPAF) & other normative parameters considered for tariff calculation			
	Name of the Petitioner :	ALAKNANDA HYDRO POWER COMPANY LIMITED	
	Name of the Generating Station :	330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT	
Sl No	Particular	Unit	Value
1	Installed Capacity (MW)	MW	330
2	Free power to home state	%	12
3	Date of commercial operation (actual/anticipated)		
a	a. Unit-1		23-Apr-15
b	b. Unit-2		21-Jun-15
c	c. Unit-3		2-May-15
d	d. Unit-4		21-Jun-15
4	Type of Station		
a	a) Surface/underground		Surface
b	b) Purely ROR/ Pondage/Storage		Purely ROR
c	c) Peaking/non-peaking		Non- Peaking
d	d) No. of hours of peaking		Non- Peaking
e	e) Overload capacity(MW) & period		10% extra, Continuous
5	Type of excitation		
a	a) Rotating exciters on generator		
b	b) Static excitation		Static Excitation
6	Design Energy (Annual)	MU	1252
7	Auxiliary Consumption including Transformation losses	%	1.0%
8	Normative Plant Availability Factor (NAPAF)	%	43.31%
9	Maintenance Spares for WC	%	15%
10	Receivables for WC	Days	45.00
11	Base Rate of Return on Equity	%	15.0%
12	SBI MCLR Rate + 350 basis points as on 01.04.2019	%	12.05%
1. Month wise 10-day Design energy figures to be given separately with the petition.			



PART-II FORM-3	
Salient Features of Hydroelectric Project	
Name of the Petitioner :	ALAKNANDA HYDRO POWER COMPANY LIMITED
Name of the Generating Station :	330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT
1. Location	
State/District	Uttar Pradesh
River	Alaknanda
2. Diversion Tunnel	
Size, shape	10m dia, Circular
Length (M)	500 m
3. Dam	
Type	Concrete Gravity
Maximum dam height (M)	Maximum height of dam above i) deepest foundation - 90m and ii) deepest river bed - 66m
4. Spillway	
Type	Flip Bucket, 8 bays of 24.0 m width each
Crest level of spillway (M)	584.5 m
5. Reservoir	
Full Reservoir Level (FRL) (M)	605.5 m
Minimum Draw Down Level (MDDL) (M)	603 m
Live storage (MCM)	8 MCM
6. De-silting Chamber	
Type	Open
Number and Size	Two Chambers (240 m x 158.5 m incl. divide wall x 13.0 m)
Particle size to be removed (mm)	0.25 mm and above
7. Head Race Tunnel	
Size and type	2 nos. 13 m finished dia, Circular
Length (M)	889 m
Design discharge (Cumecs)	560 Cumecs
8. Surge Shaft	
Type	
Diameter (M)	
Height (M)	
9. Penstock/Pressure shafts	
Type	4 Surface
Diameter & Length (M)	4 nos. 5.6 m & 114 m
10. Power House	
Installed capacity (No of units x MW)	4 x 82.5 MW
Type of turbine	Vertical Francis
Rated Head (M)	67.20 m (Gross head) & 65.97 m (Net head)
Rated Discharge (Cumecs)	560 cumecs
Head at Full Reservoir Level (M)	
Head at Minimum Draw down Level (M)	
MW Capability at FRL	
MW Capability at MDDL	
11. Tail Race Tunnel/Channel	
Diameter (M), shape	Trapezoidal lined section
Length (M)	140 m, bed width 85 m
Minimum tail water level (M)	530.90 m
12. Switchyard	
Type of Switch gear	400kV, One and half breaker scheme
No. of generator bays	4
No. of Bus coupler bays	NA
No. of line bays	4
Note: Specify limitation on generation during specific time period(s) on account of restrictions on water use due to irrigation, drinking water, industrial, environmental considerations etc.	
Petitioner	

Details of Foreign Income
(Details only in respect of items applicable to
the period under report)

Name of the Payee: Akansa Hydro
Power Company Limited

Name of the Generating Station: 339 MW
Shreegar Hydro-electric project

Exchange Rate as on 21.03.2018: Rs.44.78

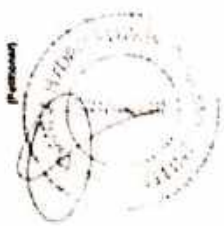
Financial Year (Starting from COO)	2013-2014			2014-2015			2015-2016			2016-2017			2017-2018			2018-2019								
	Date	Amount (Foreign Currency)	Exchange Rate	Date	Amount (Foreign Currency)	Exchange Rate	Date	Amount (Foreign Currency)	Exchange Rate	Date	Amount (Foreign Currency)	Exchange Rate	Date	Amount (Foreign Currency)	Exchange Rate	Date	Amount (Foreign Currency)	Exchange Rate						
3	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45					
Currency - U.S.																								
At the date of Draw ¹																								
At the date of Draw ²																								
At the date of Draw ³																								
Scheduled repayment date of principal	01.07.13	0.50	99.82	28.81	01.07.14	0.50	60.20	28.78	01.07.15	0.50	95.85	32.93	01.07.16	0.50	86.78	32.39	01.07.17	0.50	64.65	32.33	01.07.18	0.50	69.42	34.79
Scheduled repayment date of principal	01.10.13	0.50	92.03	21.87	01.10.14	0.50	63.85	31.82	01.10.15	0.50	85.73	32.88	01.10.16	0.50	88.12	34.88	01.10.17	0.50	64.75	32.39	01.10.18	0.50	73.50	34.79
Scheduled repayment date of principal	01.01.14	0.50	60.88	26.48	01.01.15	0.50	63.86	31.78	01.01.16	0.50	66.40	33.39	01.01.17	0.50	65.72	32.88	01.01.18	0.50	66.05	32.83	01.01.19	0.50	72.32	36.18
Scheduled repayment date of principal	01.04.14	0.50	60.41	26.21	01.04.15	0.50	63.97	31.88	01.04.16	0.50	67.68	33.83	01.04.17	0.50	64.88	32.43	01.04.18	0.50	66.08	32.88	01.04.19	0.50	68.50	34.79
Scheduled payment date of interest	30.08.13	0.28	98.82	15.48	30.08.14	0.24	63.87	18.88	30.08.15	0.24	86.95	18.37	30.08.16	0.28	88.78	17.18	01.07.17	0.28	64.85	19.39	30.08.18	0.33	69.42	22.83
Scheduled payment date of interest	30.08.13	0.26	82.02	18.29	30.08.14	0.24	65.85	18.74	30.08.15	0.24	65.72	18.87	30.08.16	0.25	68.12	17.18	01.10.17	0.25	64.75	19.18	30.08.18	0.27	72.32	24.83
Scheduled payment date of interest	31.12.13	0.28	60.89	18.85	31.12.14	0.24	68.50	18.88	31.12.15	0.23	66.40	18.44	31.12.16	0.28	65.72	16.88	01.01.18	0.28	66.05	18.28	31.12.18	0.32	72.32	24.74
Scheduled payment date of interest	31.03.14	0.26	60.76	18.71	31.03.15	0.23	66.40	18.10	31.03.16	0.29	87.86	17.21	31.03.17	0.27	64.86	17.24	01.04.18	0.29	66.05	18.48	31.03.19	0.38	69.50	24.33
At the end of financial year	31.03.14	35.00	60.78	32.84	31.03.15	32.00	54.45	31.98	31.03.16	31.00	87.23	22.84	31.03.17	29.00	81.84	14.88	31.03.18	27.00	69.80	17.78	31.03.19	25.50	68.48	17.14

¹ Name of the currency to be mentioned as U.S. Dollar.

² In case of more than one draw during the year, Exchange rate at the date of each draw to be given.

³ Furnish details of hedging in case of more than one hedging during the year or part hedging details of each hedging are to be given.

⁴ Tax (such as withholding tax) details as applicable including change in rates, date from which change effective etc. must be clearly indicated.



Details of Foreign loans
(Details only in respect of loans applicable to
the project under portion)

Name of the Petitioner: Alkantara Hydro
Power Company Limited

Name of the Generating Station: 228 MW
Srinagar Hydroelectric project

Exchange Rate as on 31.03.2019: Rs.67.78
(Million)

Financial Year (Starting from COO)	2018-20			2019-21			2020-21			2021-22			2022-23			2023-24								
	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs.)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs.)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs.)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs.)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs.)				
2	47	48	62	47	48	49	48	49	47	48	49	47	48	49	47	48	49	47	48	49	47	48	49	
Currency ¹ - US \$																								
At the date of Draw ²																								
At the date of Draw ²																								
At the date of Draw ²																								
Scheduled repayment date of principal	01-Jul-19	0.50	66.75	34.88	01-Jul-20	0.75	78.50	67.38	01-Jul-21	0.75	78.50	67.38	01-Jul-22	0.75	78.50	67.38	01-Jul-23	0.75	78.50	67.38	01-Jul-24	0.75	78.50	67.38
Scheduled repayment date of principal	01-Oct-19	0.50	71.50	38.78	01-Oct-20	0.75	78.50	67.38	01-Oct-21	0.75	78.50	67.38	01-Oct-22	0.75	78.50	67.38	01-Oct-23	0.75	78.50	67.38	01-Oct-24	0.75	78.50	67.38
Scheduled repayment date of principal	01-Jan-20	0.75	71.55	63.84	01-Jan-21	0.75	78.50	67.38	01-Jan-22	0.75	78.50	67.38	01-Jan-23	0.75	78.50	67.38	01-Jan-24	0.75	78.50	67.38	01-Jan-25	0.75	78.50	67.38
Scheduled repayment date of principal	01-Apr-20	0.75	78.50	67.38	01-Apr-21	0.75	78.50	67.38	01-Apr-22	0.75	78.50	67.38	01-Apr-23	0.75	78.50	67.38	01-Apr-24	0.75	78.50	67.38	01-Apr-25	0.75	78.50	67.38
Scheduled payment date of interest	30.06.19	0.33	66.75	22.74	30.06.20	0.37	78.50	21.81	30.06.21	0.24	78.50	18.30	30.06.22	0.20	78.50	15.60	30.06.23	0.17	78.50	12.72	30.06.24	0.16	78.50	12.18
Scheduled payment date of interest	30.09.19	0.30	71.50	21.84	30.09.20	0.27	78.50	20.88	30.09.21	0.23	78.50	17.81	30.09.22	0.20	78.50	14.80	30.09.23	0.18	78.50	12.81	30.09.24	0.15	78.50	11.81
Scheduled payment date of interest	31.12.19	0.28	71.75	26.18	31.12.20	0.26	78.50	19.87	31.12.21	0.22	78.50	17.13	31.12.22	0.19	78.50	14.22	31.12.23	0.15	78.50	11.81	31.12.24	0.14	78.50	10.71
Scheduled payment date of interest	31.03.20	0.26	78.70	19.86	31.03.21	0.26	78.50	18.78	31.03.22	0.21	78.50	16.88	31.03.23	0.18	78.50	13.24	31.03.24	0.14	78.50	10.71	31.03.25	0.12	78.50	9.42
Scheduled payment date of interest	31.03.19	22.90	66.45	1,849.31	31.03.19	19.90	68.45	1,374.78	31.03.19	18.90	68.45	1,128.42	31.03.19	13.90	68.45	974.98	31.03.19	12.20	66.45	814.19	31.03.19	12.20	66.45	814.19

¹ Name of the currency to be mentioned e.g. US \$, DM, etc.

² In case of more than one draw during the year, Exchange rate on the date of each draw to be given.

³ Full name details of hedging, in case of more than one hedging during the year or part hedging, details of each hedging are to be given.

⁴ Tax (such as withholding tax) details as applicable including change in rate, date from which change effective etc. must be clearly indicated.



Details of Foreign Equity

(Details only in respect of loans applicable to the project under petition)

Name of the Petitioner : **ALAKNANDA HYDRO POWER COMPANY LIMITED**
 Name of the Generating Station : **330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT**
 Exchange Rate as on **31.03.2014**

Financial Year (Starting from COD)	Year 1			Year 2			Year 3					
	2	3	4	5	6	7	8	9	10	11	12	13
1	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)
Currency ¹												
At the date of infusion:												
Currency ²												
At the date of infusion:												
Currency ³ & so on												
At the date of infusion:												

Not Applicable

1. Name of the currency to be mentioned e.g. US \$, DM, etc. etc.
 2. In case of equity infusion more than once during the year, exchange rate at the date of each infusion to be given

petitioner



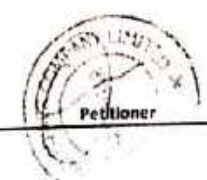
PART-II
FORM-5**Abstract of Admitted Capital Cost for the existing Projects**

Name of the Petitioner : ALAKNANDA HYDRO POWER COMPANY LIMITED
 Name of the Generating Station : 330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Capital Cost as admitted by UPERC

Capital Cost as admitted by UPERC		
a	Capital cost admitted as on _____	
	(Give reference of relevant UPERC Order with Petition No.& Date)	
b	Foreign Component, if any (In Million US \$ or the relevant currency)	Not Applicable
c	Foreign Exchange rate considered for the admitted Capital cost (Rs Lakh)	
d	Total Foreign Component (Rs. Lakh)	
e	Domestic Component (Rs. Lakh.)	
f	Hedging cost, if any, considered for the admitted Capital cost (Rs Lakh)	
	Total Capital cost admitted (Rs. Lakh) (d+e+f)	



Abstract of Capital Cost Estimates and Schedule of Commissioning for the New projects									
Name of the Petitioner :		ALAKNANDA HYDRO POWER COMPANY LIMITED							
Name of the Generating Station :		330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT							
New Projects Capital Cost Estimates		(Rs. Lakh)							
Board of Director/ Agency approving the Capital cost estimates:									
Date of approval of the Capital cost estimates:									
		Approved				Completed Cost			
Price level of approved estimates									
Foreign Exchange rate considered for the Capital cost estimates									
Capital Cost excluding IDC & FC		Not Applicable							
Foreign Component, if any (In Million US \$ or the relevant Currency)									
Domestic Component (Rs. Cr.)									
Capital cost excluding IDC & FC (Rs. Cr)									
IDC & FC									
Foreign Component, if any (In Million US \$ or the relevant Currency)									
Domestic Component (Rs. Cr.)									
Total IDC & FC (Rs.Cr.)									
Rate of taxes & duties considered									
Capital cost Including IDC & FC									
Foreign Component, if any (In Million US \$ or the relevant Currency)									
Domestic Component (Rs. Cr.)									
Capital cost Including IDC & FC (Rs. Cr)									
Schedule of Commissioning									
COD of Unit - 1									
COD of Unit - 3									
COD of Unit - 2									
COD of Unit - 4 (last Unit)									
Note:									
1. Copy of approval letter should be enclosed.									
2. Details of Capital cost are to be furnished as per FORM-5B or 5C as applicable.									
3. Details of IDC & Financing Charges are to be furnished as per FORM-14.									
		 Petitioner							

Break-up of Capital Cost for New Hydro Power Generating Station

Name of the Petitioner :

ALAKNANDA HYDRO POWER COMPANY LIMITED

Name of the Generating Station :

330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

(Rs. Lakh.)

Sl.No.	Break Down	Cost in Rs. Millions		Liabilities/ Provisions (5)	Variation (Rs. Cr.) (6)	Reasons for Variation (7)
		Provisional capital cost approved by UPERC as recommended by expert committee on 30-01-2014 (3)	Final Approved By UPERC in Order dated 24/08/2020 (4)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.0	Infrastructure Works					
1.1	Preliminary Investigation and Site Development	7081	7081.00		0	
1.2	Land	3311	3311.00		0	
1.3	Buildings	100	100.00		0	
1.4	Township	593	593.00		0	
1.5	Maintenance	650	650.00		0	
1.6	Tools and Plant	0	0.00		0	
1.7	Communication	1284	1284.00		0	
1.8	Environment & Ecology	2778	2778.00		0	
1.9	Losses on stock	0	0.00		0	
1.10	Receipt and recoveries	0	0.00		0	
1.11	Other miscellaneous fixed assets (over infrastructure)	0	0.00		0	
1.12		15797.0	15797.0		0.0	
2.0	Major Civil Works	204162	204162.00		0	
2.1	Dam, Intake & Desilting Chambers	0	0.00		0	
2.2	HRT, TRT, Surge Shaft & Pressure shafts	0	0.00		0	
2.3	Power Plant civil works	0	0.00		0	
2.4	Other civil works (to be specified)	0	0.00		0	
2.5	Total (Major Civil Works)	204162	204162		0	
3.0	Hydro Mechanical equipment	9507	9507.00		0	
4.0	Plant & Equipment	35576	35576.00		0	
4.1	Initial spares of Plant & Equipment	0	0.00		0	
4.2	Total (Plant & Equipment)	35,576	35576.00		0	
5.0	Taxes and Duties	5090	5090.00		0	
5.1	Custom Duty	0	0.00			
5.2	Other taxes & Duties	0	0.00			
5.3	Total Taxes & Duties	5,090	5,090		0	
6.0	Construction & Precommissioning expenses					
6.1	Erection, testing & commissioning					
6.2	Construction	1479	1479.00		0	
6.3	Site supervision	2401	2401.00		0	
6.4	Total (Const. & Precommissioning)	3,880	3,880		0	
7.0	Overheads				2177	
7.1	Establishment	19254	17077.00			
7.2	Design & Engineering	1874	1874.00		0	
7.3	Audit & Accounts	0	0.00		0	
7.4	Contingency	0	0.00		0	



Sl.No.	Break Down	Cost in Rs. Millions		Liabilities/ Provisions (5)	Variation (Rs. Cr.) (6)	Reasons for Variation (7)
		Provisional capital cost approved by UPERC as recommended by expert committee on 30-01-2014 (3)	Final Approved By UPERC in Order dated 24/08/2020 (4)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
7.5	Rehabilitation & Resettlement	26294	26294.00		0	
7.6	Total (Overheads)	47422	45245		2177	
	Payment GoUP	0	0.00		0	
8.0	Capital Cost without IDC, FC, FERV & Hedging Cost	3,21,434	3,19,257		2,177	
9.0	IDC, FC, FERV & Hedging Cost					
9.1	Interest during Financing charges	99501	85995.00		13506	
9.2	FC	2511	2511.00		0	
9.3	Foreign Exchange Rate Fluctuation	-181	-181.00		0	
9.4	Hedging Cost	0	0.00		0	
9.5	Total of IDC, FC, FERV & Hedging Cost	101831	88325		13506	
	Less: Other Income During the Course of Construction	-1385	-1385.00		0	
10	Capital cost including IDC, FC, FERV & Hedging Cost	4,21,880.0	4,06,197.0		15,683	
	Note:					
1	In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost over-run was beyond the control of the generating company.					
2	In case of both time & cost overrun, a detailed note giving reasons of such time and cost over-run should be submitted clearly bringing out the agency responsible and whether such time and cost overrun was beyond the control of the generating company.					
3	The implication on cost due to time over run, if any shall be submitted separately giving details of increase in prices in different packages from scheduled COD to Actual COD/anticipated COD, increase in IEDC from scheduled COD to actual COD/anticipated COD and increase of IDC from scheduled COD to actual anticipated COD.					
4	Impact on account of each reason for Time over run on Cost of project should be quantified and substantiated with necessary documents and supporting workings.					
5	A list of balance work assets/work wise including initial spare on original scope of works along with estimate shall be furnished positively.					



Break up of Capital Cost for Plant & Equipment

Name of the Petitioner : Alaknanda Hydro Power Company Limited
 Name of the Generating Station : 330 MW Shrinagar Hydro-electric project

S. No.	Head of works	Original Cost as approved by Authority	Cost on COD	Variation	Reasons for variation	Admitted cost
1	2	3	4	5	6	7
As Submitted in Form 5-B and Form 5E-i						

Note:

In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost overrun was beyond the control of the generating company.



Break-up of Construction / Supply / Service packages

Name of the Petitioner: Alankanda Hydro Power Company Limited
 Name of the Generating Station: 330 MW Shrinagar Hydro-electric project

Sl. No.	Name / No. of Construction / Supply / Service Package	(Rs. in Lakhs)												
		M/s NCC-GVKPTSL Consortium	M/s NCC-GVKPTSL Consortium	M/s Precision Infra Tech Ltd.	M/s Bharat Heavy Electricals Ltd.	M/s SMEC International Pty. Ltd.	M/s TATA Consulting Engineers Ltd.	M/s SGS India Pvt. Ltd.						
		4	5	7	8	9	10	11	12	13	14	15	15	
1	2													
1		Not Applicable												
2														
3														
4														
5														
6														
7														
8														
9														
10														

Note: 1. If there is any package, which need to be shown in Indian Rupees and Foreign currency (ies), the same should be shown separately along with the currency, the exchange rate and the date.



In case there is time over run

Name of the Petitioner:
Name of the Generating Station:Alakhanda Hydro Power Company Limited
330 MW Shrinagar Hydro-electric project

S. No	Description of Activity/ Work/ Service	Scheduled Completion Date (As per PPA)	Actual Completion Date	Time Over-Run Days	Reasons for delay	Other Activities effected
1	Land Acquisition	28-Feb-07	30-Jun-09	854	Force Majeure events (i) in handing over of land and ii) execution of lease agreement for Govt Land	- Major Civil Works and consequently, - Hydro-Mechanical Works - Electro-Mechanical Works - COD
2	Major Civil Works	30-Jun-10	30-Aug-13	1158	- Delay in handing over of land - Increase in quantum of work due to geological variations, geo-technical reasons, topography, modal studies and increased seismic parameters. - stop-work order by MOEF dated 30.05.2011	- Hydro-Mechanical Works - COD
3	Hydro-Mechanical Works	10-Mar-10	12-Jul-13	1221	- Delay in execution of civil works - Increased quantum of work due to revision in design aspects such as introduction of under sluice in dam etc.	- Electro-Mechanical Works - COD
4	Electro-Mechanical Works (Boxing up of machines)				- Delay in execution of civil works - Force Majeure Event: Flash floods inundated power house complex on 17.06.2013 (344 days)	COD
	Unit#1	10-May-10	12-Dec-12	647.8	Delay in execution of Civil Works	
	Unit#2	10-Jun-10	06-May-13	1061.8	Delay in execution of Civil Works	
	Unit#3	11-Jul-10	10-Jun-13	1065.8	Delay in execution of Civil Works	
	Unit#4	10-Aug-10	14-Aug-13	1100.8	- Projected date of completion. Further, components washed away by the floods and new custom made components were to be manufactured and supplied by BHEL.	
5	Pre-Commissioning Activities					
a	Impounding of Reservoir	10-May-10	10-Mar-15	1784.8	- Delay in Shifting of Maa Dhan Devi Idol to a higher elevation. Force Majeure Event: nets, civil commotion, religious strife, non-availability of sufficient water for reservoir filling	COD
b	Associated Transmission System and inter connection facilities	06-Apr-10	12-Nov-14	1678.2	Non-availability of associated transmission system and inter connection facilities up to 12.11.2014	COD
6	COD of Units					
	COD Unit-I	10-Jul-10	23-Apr-15	1749	- Delay in Civil and hydro-mechanical works, Shifting of Maa Dhan Devi Idol to a higher elevation, impounding of Reservoir, delay in Associated Transmission System and Inter connection facilities	
	COD Unit-II	10-Aug-10	21-Jun-15	1777		
	COD Unit-III	10-Sep-10	02-May-15	1696	- In addition to above, Components washed away by the floods and new custom made components were to be manufactured and supplied by BHEL.	
	COD Unit-IV	10-Oct-10	21-Jun-15	1710		

1. Delay on account of each reason in case of time overrun should be quantified and substantiated with necessary documents and supporting workings.

2. Indicates the activities on critical path.

Part II
Form 5 F

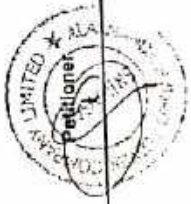
In Case There is Claim for Additional ROE
Alaknanda Hydro Power Company Limited
330 MW Shrinagar Hydro-electric project

Name of the Petitioner :
Name of the Generating Station :

Project	Completion time as per Investment Approval (Months)		Actual Completion Time			Qualifying time schedule (As per regulation)
	Start Date	Scheduled COD	Start Date	Actual Completion time in Months	Tested Capacity	
Unit I						
Unit II						
Unit III						
Unit IV						

NOT APPLICABLE

Note: Necessary documentary evidence in support of actual completion time to be submitted in accordance with Regulations.



Financial Package upto COD

ALAKNANDA HYDRO POWER COMPANY LIMITED
330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Name of the Petitioner :
Name of the Generating Station :
Project Cost as on COD:
Date of Commercial Operation of the Station:

(Rs. In Million)

1	2		3		4		5		6		7
	Financial Package as Approved Currency and Amounts		Financial Package as on Currency and Amounts		Financial Package as on Currency and Amounts		Financial Package as on Currency and Amounts		As Admitted on COD Currency and Amounts		
Loan-I	INR		3,19,200.00		396131	0	396131				
Loan-II	US \$ (@ 15= 40.25)		40.00		21644	0	21644				
Loan											
	Foreign	16,100.00									
	Domestic	319200			417775		417775				
Total loan(Rs)		335300									
Equity											
	Foreign										
	Domestic	8390			111820	0	118503				
Total Equity(Rs)		8390			111820		118503				
Total Cost		343690			529595		544278				
Debt - Equity Ratio											

1. Say Rs. 80 Cr. = US\$ 200 m or Rs. 1320 Cr. including US\$ 200 m at an exchange rate of US\$=Rs62

2. Date of commercial operation means commercial operation as on LastUnit

3. For example: US \$ 200m, etc.

Equity %	2.00	Equity %	21.00
Debt %	98.00	Debt %	79.00
		Equity %	28.68
		Debt %	71.32



Yearwise Statement of Additional Capitalisation after COD

Name of the Petitioner: Alaknanda Hydro Power Company Limited
 Name of the Generating Station: 330 MW Shrinagar Hydro-electric project

(P/L/2024)

FY 2018-19								
S. No.	Head of Work/ Equipment	Accrual basis	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3	Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
1	Liabilities discharged	0.00	0.00	0.00	0.00	Regulation 40 (2) (v)	Deferred liabilities within original scope	Not Applicable
	Total	0.00	0.00	0.00	0.00			

FY 2019-20								
S. No.	Head of Work/ Equipment	Accrual basis	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3	Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
1		0.00		0.00				
2			0.00	0.00	0.00			
	Total	0.00	0.00	0.00	0.00			

FY 2020-21								
S. No.	Head of Work/ Equipment	Accrual basis	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3	Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
1		0.00						
2								
3								
4			0.00	0.00	0.00			
	Total	0.00	0.00	0.00	0.00			

FY 2021-22								
S. No.	Head of Work/ Equipment	Accrual basis	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3	Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
1			0.00	0.00	0.00			
	Total	0.00	0.00	0.00	0.00			

FY 2022-23								
S. No.	Head of Work/ Equipment	Accrual basis	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3	Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
1		0.00	0.00	0.00	0.00			
	Total	0.00	0.00	0.00	0.00			

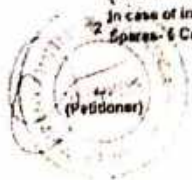
FY 2023-24								
S. No.	Head of Work/ Equipment	Accrual basis	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3	Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
1		0.00	0.00	0.00	0.00			
	Total	0.00	0.00	0.00	0.00			

Note

- In case the project has been completed and cost has already been admitted under any tariff notification in the past fill column 10 giving the cost admitted for the purpose of tariff notification already issued by (Name of the authority) (Enclose a copy of tariff order)
- The above information needs to be furnished separately for each year/ period of tariff 2019-24
- In case of decapitalization of assets separate details to be furnished at columns 1,2,3 and 4. Further the original book value and year of capitalization of such assets to be furnished at column 8. Where Dcaps are on estimated basis the same to be shown separately
- Where any asset is rendered unserviceable the same shall be treated as decapitalization during the year and original value of such assets should be shown in Column 3. And impaired value if any year of capitalization to be mentioned in column 8
- Justification against each asset of capitalization should be specific to regulations under which the claim has been made and the necessity of capitalization of that particular asset.

Note

- Fill the form in chronological order year wise along with the detailed justification clearly bringing out the necessity and the benefits accruing to the beneficiaries
- In case of initial spares are purchased along with the equipment, then the cost of such spares should be indicated separately e.g Motor- 50 Cr. Initial Spares- 5 Cr.



PART-II
FORM-3C

Statement showing reconciliation of ACE claimed with the capital additions as per books

Name of the Petitioner :

ALAKNANDA HYDRO POWER COMPANY LIMITED

Name of the Generating Station :

330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Sl.No.	Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Closing Gross Block					
	Less: Opening Gross Block		NIL			
	Total Additions as per books					
	Less: Additions pertaining to other Stages (give Stage wise breakup)					
	Net Additions pertaining to instant project/Unit/Stage					
	Less: Exclusions (items not allowable / not claimed)					
	Net Additional Capital Expenditure Claimed					

Note:

Reason for exclusion of any expenditure shall be given in Clear terms



PART-II
FORM-9D

Statement showing Items/assets/works claimed under Exclusions

Name of the Petitioner :

ALAKNANDA HYDRO POWER COMPANY LIMITED

Name of the Generating Station :

330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

COD

Sl.No.	Head of Work/ Equipment	ACE Claimed under Exclusion				Justification
		Accrual basis	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3	
(1)	(2)	(3)	(4)	(5=3-4)	(6)	(9)
		NIL				

Note:

- 1 Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc.
- 2 For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.



PART-II
FORM-9EStatement of Capital cost
(To be given for relevant dates and year wise)

Name of the Petitioner :

ALAKNANDA HYDRO POWER COMPANY LIMITED

Name of the Generating Station :

330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Amount in Rs. Lakh

S. No.	Variables	As on 31.03.2016
A	Opening Gross Block Amount as per books	4,06,197.00
	Amount of capital liabilities in A(a) above	0.00
	Amount of IDC in A(a) above	85,995.00
	Amount of FC in A(a) above	2,511.00
	Amount of FERV in A(a) above	-181.00
	Amount of Hedging Cost in A(a) above	0.00
	Amount of IEDC in A(a) above	0.00
B	Addition in Gross Block Amount during the period (Direct purchases)	0.00
	Amount of capital liabilities in B(a) above	0.00
	Amount of IDC in B(a) above	0.00
	Amount of FC in B(a) above	0.00
	Amount of FERV in B(a) above	0.00
	Amount of Hedging Cost in B(a) above	0.00
	Amount of IEDC in B(a) above	0.00
C	Addition in Gross Block Amount during the period (Transferred from CWIP)	0.00
	Amount of capital liabilities in C(a) above	0.00
	Amount of IDC in C(a) above	0.00
	d) Amount of FC in C(a) above	0.00
	e) Amount of FERV in C(a) above	0.00
	f) Amount of Hedging Cost in C(a) above	0.00
	g) Amount of IEDC in C(a) above	0.00
D	a) Deletion in Gross Block Amount during the period	0.00
	b) Amount of capital liabilities in D(a) above	0.00
	c) Amount of IDC in D(a) above	0.00
	d) Amount of FC in D(a) above	0.00
	e) Amount of FERV in D(a) above	0.00
	f) Amount of Hedging Cost in D(a) above	0.00
	g) Amount of IEDC in D(a) above	0.00
E	a) Closing Gross Block Amount as per books	4,06,197.00
	b) Amount of capital liabilities in E(a) above	0.00
	c) Amount of IDC in E(a) above	85,995.00
	d) Amount of FC in E(a) above	2,511.00
	e) Amount of FERV in E(a) above	-181.00
	f) Amount of Hedging Cost in E(a) above	0.00
	g) Amount of IEDC in E(a) above	0.00

Note: Relevant date/s means date of COD of unit/s/station and financial year start date and end date



PART-II
FORM-9FStatement of Capital works in progress
(To be given for relevant dates and yearwise)Name of the Petitioner :
Name of the Power Station :ALAKNANDA HYDRO POWER COMPANY LIMITED
330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECTAmount in Rs. Lakh
As on Relevant Date

S. No.	Variables	Amount in Rs. Lakh As on Relevant Date
A	Opening CWIP as per books	
	Amount of capital liabilities in A(a) above	
	Amount of IDC in A(a) above	
	Amount of FC in A(a) above	
	Amount of FERV in A(a) above	
	Amount of Hedging Cost in A(a) above	
	Amount of IEDC in A(a) above	
B	Addition in CWIP during the period	
	Amount of capital liabilities in B(a) above	
	Amount of IDC in B(a) above	
	Amount of FC in B(a) above	
	Amount of FERV in B(a) above	
	Amount of Hedging Cost in B(a) above	
	Amount of IEDC in B(a) above	
C	Transferred to Gross Block Amount during the period	
	Amount of capital liabilities in C(a) above	
	Amount of IDC in C(a) above	
	Amount of FC in C(a) above	
	Amount of FERV in C(a) above	
	Amount of Hedging Cost in C(a) above	
	Amount of IEDC in C(a) above	
D	a) Deletion in CWIP during the period	
	b) Amount of capital liabilities in D(a) above	
	c) Amount of IDC in D(a) above	
	d) Amount of FC in D(a) above	
	e) Amount of FERV in D(a) above	
	f) Amount of Hedging Cost in D(a) above	
	g) Amount of IEDC in D(a) above	
E	a) Closing CWIP as per books	
	b) Amount of capital liabilities in E(a) above	
	c) Amount of IDC in E(a) above	
	d) Amount of FC in E(a) above	
	e) Amount of FERV in E(a) above	
	f) Amount of Hedging Cost in E(a) above	
	g) Amount of IEDC in E(a) above	

Note:1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date



Financing of Additional Capitalisation

Name of the Petitioner: ALAKNANDA HYDRO POWER COMPANY LIMITED
 Name of the Generating Station: 330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT
 Date of Commercial Operation

Amount in Rs Lakh

Financial Year (Starting from COD) ¹	Actual					Admitted				
	Year 1	Year 2	Year 3	Year 4	Year 5 & so on	Year 1	Year 2	Year 3	Year 4	Year 5 & so on
1	2	3	4	5	6	7	8	9	10	11
Amount Capitalized in Work/Equipment										
Financing Details										
Loan-1										
Loan-2										
Loan-3 and so on										
Total Loan ²										
Equity										
Internal Resources										
Others (Pl. specify)										
Total										

Not Applicable

Note:

1. Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.
2. Loan details for meeting the additional capitalisation requirement should be given as per FORM-7 or 8 whichever is relevant.



Calculation of Depreciation

Name of the Petitioner :

ALAKNANDA HYDRO POWER COMPANY LIMITED

Name of the Generating Station :

330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Amount in Rs Lakh

FY 2019-20

Sl.No.	Name of the Asset ¹	Gross Block as on 31.03.2019 or as on COD	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount
	(1)	(2)			(3)	4= Col.2 X Col.3
1	Land & Land Rights	1429.0			0.00%	-
2	Lease Hold Land	1882.0			3.34%	62.86
3	Temporary Structure	0.0				-
4	Buildings	2,79,427.41			3.34%	9,332.88
5	hydraulic Works	0.0				-
6	Other Civil works	0.0				-
7	Plant & Machinery	1,23,098.28			5.83%	7,176.63
8	Lines, Cables, Networks Etc.	0.0				-
9	Vehicles	46.60			9.50%	4.43
10	Furniture & Fixtures	69.9			6.33%	4.42
11	Office Equipments	86.0			6.33%	5.44
12	Capital Spares at Generating Stations	0.0				-
13	Electric Equipments	0.0				-
14	Survey Equipments	0.0				-
15	Tools & Tackles	0.0				-
16	Electric Installation	0.0				-
17	Steel Shuttering	0.0				-
18	Library Book	0.0				-
19	Wooden Frames	0.0				-
20	Wireless Set	0.0				-
21	Computers	61.47			15.00%	9.22
22	Computer Software	97.35			15.00%	14.60
23	Undischarged Liabilities					-
	TOTAL	4,06,198.00			4.10%	16,610.48
	Weighted Average Rate of Depreciation (%)					

*Provide details of Freehold land and Lease hold land separately

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation



Calculation of Depreciation

Name of the Petitioner :

ALAKNANDA HYDRO POWER COMPANY LIMITED

Name of the Generating Station :

330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Amount in Rs Lakh

FY 2020-21

Sl.No.	Name of the Asset ¹	Gross Block as on 31.03.2019 or as on COD	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation	Depreciation Amount
	(1)	(2)			(3)	4= Col.2 X Col.3
					0.00%	-
1	Land & Land Rights	1429.0			3.34%	62.86
2	Lease Hold Land	1882.0				-
3	Temporary Structure	0.0			3.34%	9,332.88
4	Buildings	2,79,427.41				-
5	hydraulic Works	0.0				-
6	Other Civil works	0.0			5.83%	7,176.63
7	Plant & Machinery	1,23,098.28				-
8	Lines, Cables, Networks Etc.	0.0			9.50%	4.43
9	Vehicles	46.60			6.33%	4.42
10	Furniture & Fixtures	69.9			6.33%	5.44
11	Office Equipments	86.0				-
12	Capital Spares at Generating Stations	0.0				-
13	Electric Equipments	0.0				-
14	Survey Equipments	0.0				-
15	Tools & Tackles	0.0				-
16	Electric Installation	0.0				-
17	Steel Shuttering	0.0				-
18	Library Book	0.0				-
19	Wooden Frames	0.0				-
20	Wireless Set	0.0			15.00%	9.22
21	Computers	61.47			15.00%	14.60
22	Computer Software	97.35				-
23	Undischarged Liabilities				4.10%	16,610.48
	TOTAL	4,06,198.00				
	Weighted Average Rate					

*Provide details of Freehold land and Lease hold land separately

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.



Calculation of Depreciation

Name of the Petitioner :

ALAKNANDA HYDRO POWER COMPANY LIMITED

Name of the Generating Station :

330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Amount in Rs Lakh

FY 2021-22

Sl.No.	Name of the Asset ¹	Gross Block as on 31.03.2018 or as on COD	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation	Depreciation Amount B= Col.2 X Col.5
	(1)	(2)			(3)	
1	Land & Land Rights	1,429.00			0.00%	-
2	Lease Hold Land	1,882.00			3.14%	62.86
3	Temporary Structure	0				-
4	Buildings	2,79,427.41			3.14%	9,332.88
5	hydraulic Works	-				-
6	Other Civil works	-				-
7	Plant & Machinery	1,23,098.28			5.83%	7,326.63
8	Lines, Cables, Networks Etc.	-				-
9	Vehicles	46.60			9.50%	4.43
10	Furniture & Fixtures	69.88			6.33%	4.42
11	Office Equipments	86.01			6.33%	5.44
12	Capital Spares at Generating Stations	-				-
13	Electric Equipments	-				-
14	Survey Equipments	-				-
15	Tools & Tackles	-				-
16	Electric Installation	-				-
17	Steel Shuttering	-				-
18	Library Book	-				-
19	Wooden Frames	-				-
20	Wireless Set	-				-
21	Computers	61.47			15.00%	9.22
22	Computer Software	97.35			15.00%	14.60
23	Undischarged Liabilities	-				-
	TOTAL	4,06,198.00	-	-	4.10%	16,610.48
	Weighted Average Rate of Depreciation (%)					

*Provide details of Freehold land and Lease hold land separately

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.



Calculation of Depreciation

Name of the Petitioner :		ALAKNANDA HYDRO POWER COMPANY LIMITED				
Name of the Generating Station :		330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT				
						Amount in Rs Lakh
						FY 2022-23
Sl.No.	Name of the Asset ¹	Gross Block as on 31.03.2019 or as on COD	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation [3]	Depreciation Amount 4= Col.2 X Col.3
	(1)	(2)				
1	Land & Land Rights	1,429.00			0.00%	-
2	Lease Hold Land	1,882.00			3.34%	62.86
3	Temporary Structure	0			3.34%	0,332.88
4	Buildings	2,79,427.41				-
5	hydraulic Works	-				-
6	Other Civil works	-			5.83%	7,175.63
7	Plant & Machinery	1,23,098.28				-
8	Lines, Cables, Networks Etc.	-			9.50%	4.43
9	Vehicles	46.60			6.33%	4.42
10	Furniture & Fixtures	69.88			6.33%	5.44
11	Office Equipments	86.01				-
12	Capital Spares at Generating Stations	-				-
13	Electric Equipments	-				-
14	Survey Equipments	-				-
15	Tools & Tackles	-				-
16	Electric Installation	-				-
17	Steel Shuttering	-				-
18	Library Book	-				-
19	Wooden Frames	-				-
20	Wireless Set	-			15.00%	9.22
21	Computers	61.47			15.00%	14.60
22	Computer Software	97.35				-
23	Undischarged Liabilities	-			4.10%	16,610.48
	TOTAL	4,06,198.00				
	Weighted Average Rate of Depreciation (%)					

*Provide details of Freehold land and Lease hold land separately

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.


Petitioner

Calculation of Depreciation

Name of the Petitioner :

ALAKNANDA HYDRO POWER COMPANY LIMITED

Name of the Generating Station :

330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Amount in Rs Lakh

FY 2023-24

Sl.No.	Name of the Asset ¹	Gross Block as on 31.03.2019 or as on COD	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation	Depreciation Amount
	(1)	(2)			(3)	4= Col.2 X Col.3
					0.00%	-
1	Land & Land Rights	1,429.00			3.34%	62.86
2	Lease Hold Land	1,882.00				-
3	Temporary Structure	0			3.34%	9.332.88
4	Buildings	2,79,427.41				-
5	hydraulic Works	-				-
6	Other Civil works	-			5.83%	7,176.53
7	Plant & Machinery	1,23,098.28				-
8	Lines, Cables, Networks Etc.	-			9.50%	4.43
9	Vehicles	46.60			6.33%	4.42
10	Furniture & Fixtures	69.88			6.33%	5.44
11	Office Equipments	86.01				-
12	Capital Spares at Generating Stations	-				-
13	Electric Equipments	-				-
14	Survey Equipments	-				-
15	Tools & Tackles	-				-
16	Electric Installation	-				-
17	Steel Shuttering	-				-
18	Library Book	-				-
19	Wooden Frames	-				-
20	Wireless Set	-				-
21	Computers	61.47			15.00%	9.22
22	Computer Software	97.35			15.00%	14.60
23	Undischarged Liabilities	-				-
	TOTAL	4,06,198.00			4.104%	16,610.48
	Weighted Average Rate of Depreciation (%)					

*Provide details of Freehold land and Lease hold land separately

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.



Statement of Depreciation

ALAKNANDA HYDRO POWER COMPANY LIMITED
330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

(Amount in Rs Lakh)

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24	8
1	2						
	Opening Capital Cost	406197.00	406197.00	406197.00	406197.00	406197.00	0.00
	Closing Capital Cost	406197.00	406197.00	406197.00	406197.00	406197.00	0.00
	Average Capital Cost	406197.00	406197.00	406197.00	406197.00	406197.00	0.00
	Freehold land	1429.00	1429.00	1429.00	1429.00	1429.00	4.10%
	Rate of depreciation	4.10%	4.10%	4.10%	4.10%	4.10%	4.10%
	Depreciable value	365577.30	365577.30	365577.30	365577.30	365577.30	0.00
	Balance useful life at the beginning of the period	406197.00	406197.00	406197.00	406197.00	406197.00	0.00
	Remaining depreciable value	16610.44	16610.44	16610.44	16610.44	16610.44	0.00
	Depreciation (for the period)	16610.44	16610.44	16610.44	16610.44	16610.44	0.00
	Depreciation (annualised)						
	Cumulative depreciation at the end of the period						
	Less: Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2009/Station COD						
	Less: Cumulative depreciation adjustment on account of de-capitalisation						
	Net Cumulative depreciation at the end of the period	80612.83	97223.27	113833.71	130444.15	147054.59	

1. In case of details of FERV and AAD, give information for the applicable period.

Petitioner

Calculation of Weighted Average Rate of Interest on Actual Loans

Name of the Petitioner: Alanzanda Hydro Power Company Limited
Name of the Generating Station: 330 MW Shrinagar Hydro-electric project

From To	Amount in Rs Lakh												
	27-Apr-16	02-May-16	21-Jun-16	01-Jul-16	31-Aug-16	01-Sep-16	31-Oct-16	01-Nov-16	31-Dec-16	01-Jan-17	31-Feb-17	01-Mar-17	31-Mar-17
Loans (Rupees Term Loans other than PFC & REC)													
Gross loan - Opening	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160
Cumulative repayments of Loans upto previous year	0	0	0	0	0	0	0	0	0	0	0	0	0
Net loan - Opening	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160	2,81,160
Add: Drawals during the Year	4,206	4,206	4,206	4,206	4,206	4,206	4,206	4,206	4,206	4,206	4,206	4,206	4,206
Less: Repayment (A) of Loans during the year	2,78,854	2,78,854	2,78,854	2,78,854	2,78,854	2,78,854	2,78,854	2,78,854	2,78,854	2,78,854	2,78,854	2,78,854	2,78,854
Net loan - Closing	2,79,007	2,79,007	2,79,007	2,79,007	2,79,007	2,79,007	2,79,007	2,79,007	2,79,007	2,79,007	2,79,007	2,79,007	2,79,007
Average Net Loan	12.35%	12.35%	12.35%	12.35%	12.35%	12.35%	12.35%	12.35%	12.35%	12.35%	12.35%	12.35%	12.35%
Rate of Interest on Loan on annual basis ¹	20.832	20.832	20.832	20.832	20.832	20.832	20.832	20.832	20.832	20.832	20.832	20.832	20.832
Interest on loan													
Loans-2 (Rupees Term Loans from PFC)													
Gross loan - Opening	56,342	56,342	56,342	56,342	56,342	56,342	56,342	56,342	56,342	56,342	56,342	56,342	56,342
Cumulative repayments of Loans upto previous year	0	0	0	0	0	0	0	0	0	0	0	0	0
Net loan - Opening	56,342	56,342	56,342	56,342	56,342	56,342	56,342	56,342	56,342	56,342	56,342	56,342	56,342
Add: Drawals during the Year	2,492	2,492	2,492	2,492	2,492	2,492	2,492	2,492	2,492	2,492	2,492	2,492	2,492
Less: Repayment (A) of Loans during the Year	53,850	53,850	53,850	53,850	53,850	53,850	53,850	53,850	53,850	53,850	53,850	53,850	53,850
Net loan - Closing	55,086	55,086	55,086	55,086	55,086	55,086	55,086	55,086	55,086	55,086	55,086	55,086	55,086
Average Net Loan	13.75%	13.75%	13.75%	13.75%	13.75%	13.75%	13.75%	13.75%	13.75%	13.75%	13.75%	13.75%	13.75%
Rate of Interest on Loan on annual basis ²	5.899	5.899	5.899	5.899	5.899	5.899	5.899	5.899	5.899	5.899	5.899	5.899	5.899
Interest on loan													
Loans-4 (Rupees Term Loans from REC)													
Gross loan - Opening	58,628	58,628	58,628	58,628	58,628	58,628	58,628	58,628	58,628	58,628	58,628	58,628	58,628
Cumulative repayments of Loans upto previous year	0	0	0	0	0	0	0	0	0	0	0	0	0
Net loan - Opening	58,628	58,628	58,628	58,628	58,628	58,628	58,628	58,628	58,628	58,628	58,628	58,628	58,628
Add: Drawals during the Year	2,866	2,866	2,866	2,866	2,866	2,866	2,866	2,866	2,866	2,866	2,866	2,866	2,866
Less: Repayment (A) of Loans during the year	86,042	86,042	86,042	86,042	86,042	86,042	86,042	86,042	86,042	86,042	86,042	86,042	86,042
Net loan - Closing	87,219	87,219	87,219	87,219	87,219	87,219	87,219	87,219	87,219	87,219	87,219	87,219	87,219
Average Net Loan	13.25%	13.25%	13.25%	13.25%	13.25%	13.25%	13.25%	13.25%	13.25%	13.25%	13.25%	13.25%	13.25%
Rate of Interest on Loan on annual basis ³	9.910	9.910	9.910	9.910	9.910	9.910	9.910	9.910	9.910	9.910	9.910	9.910	9.910
Interest on loan													
Loans-4 (FCTI Loan from Axis Bank)													
Gross loan - Opening	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100
Cumulative repayments of Loans upto previous year	0	0	0	0	0	0	0	0	0	0	0	0	0
Net loan - Opening	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100
Add: Drawals during the Year	804	804	804	804	804	804	804	804	804	804	804	804	804
Less: Repayment (A) of Loans during the year	8,854	8,854	8,854	8,854	8,854	8,854	8,854	8,854	8,854	8,854	8,854	8,854	8,854
Net loan - Closing	8,050	8,050	8,050	8,050	8,050	8,050	8,050	8,050	8,050	8,050	8,050	8,050	8,050
Average Net Loan	5.01%	5.01%	5.01%	5.01%	5.01%	5.01%	5.01%	5.01%	5.01%	5.01%	5.01%	5.01%	5.01%
Rate of Interest on Loan on annual Basis	349	349	349	349	349	349	349	349	349	349	349	349	349
Interest on loan													
Total Loan	4,12,230	4,12,230	4,12,230	4,12,230	4,12,230	4,12,230	4,12,230	4,12,230	4,12,230	4,12,230	4,12,230	4,12,230	4,12,230
Gross loan - Opening	6,043	6,043	6,043	6,043	6,043	6,043	6,043	6,043	6,043	6,043	6,043	6,043	6,043
Cumulative repayments of Loans upto previous year	0	0	0	0	0	0	0	0	0	0	0	0	0
Net loan - Opening	6,043	6,043	6,043	6,043	6,043	6,043	6,043	6,043	6,043	6,043	6,043	6,043	6,043
Add: Drawals during the Year	9,988	9,988	9,988	9,988	9,988	9,988	9,988	9,988	9,988	9,988	9,988	9,988	9,988
Less: Repayment (B) of Loans during the year	3,955	3,955	3,955	3,955	3,955	3,955	3,955	3,955	3,955	3,955	3,955	3,955	3,955
Net loan - Closing	12,076	12,076	12,076	12,076	12,076	12,076	12,076	12,076	12,076	12,076	12,076	12,076	12,076
Average Net Loan	12.80%	12.80%	12.80%	12.80%	12.80%	12.80%	12.80%	12.80%	12.80%	12.80%	12.80%	12.80%	12.80%
Rate of Interest on Loan on annual Basis	171	171	171	171	171	171	171	171	171	171	171	171	171
Interest on loan													
Weighted average Rate of Interest on Loans	12.81%	12.81%	12.81%	12.81%	12.81%	12.81%	12.81%	12.81%	12.81%	12.81%	12.81%	12.81%	12.81%

Note: 1. In case of Foreign Loans, the calculations in Indian Rupees are to be furnished. However, the calculation in Original currency is also to be furnished separately in the same form.



PART-II
FORM- 13A

Calculation of Interest on Normative Loan

ALAKNANDA HYDRO POWER COMPANY LIMITED
330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Name of the Petitioner :
Name of the Generating Station :

S. No.	Particulars	(Amount in Rs Lakh)							
		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	7	8
1	2	3	4	5	6	7	8	289694	289694
	Gross Normative loan - Opening	2,89,694.00	2,89,694.00	289694	289694	289694	289694	289694	289694
	Cumulative repayment of Normative loan upto previous year	47391.95	64002.39	80612.83	97223.27	113833.71	130444.15	130444.15	130444.15
	Net Normative loan - Opening	242302.05	225691.61	209081.17	192470.73	175860.29	159249.85	159249.85	159249.85
	Add: Increase due to addition during the year / period	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Repayment during the year	16610.44	16610.44	16610.44	16610.44	16610.44	16610.44	16610.44	16610.44
	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Add: Increase due to discharges during the year / period								
	Net Normative loan - Closing	225691.61	209081.17	192470.73	175860.29	159249.85	142639.41	142639.41	142639.41
	Average Normative loan	233996.83	217386.39	200775.95	184165.51	167555.07	150944.63	150944.63	150944.63
	Weighted average rate of interest	12.5%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%
	Interest on Loan	29235.56	27394.14	25300.49	23206.79	21113.01	19019.10	19019.10	19019.10

Petitioner



PART-II
FORM- 13B

Calculation of Interest on Working Capital

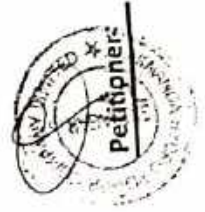
ALAKNANDA HYDRO POWER COMPANY LIMITED
330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC

Name of the Petitioner :
Name of the Generating Station :

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	4	5	6	7	8
	O & M expenses for the year	12032.75	12570.61	13132.52	13719.54	14332.80
	O & M Expenses	1002.73	1047.55	1094.38	1143.29	1194.40
	Maintenance Spares	1804.91	1885.59	1969.88	2057.93	2149.92
	Receivables	9216.60	9049.43	8859.70	8673.20	8490.06
	Total Working Capital	12024.00	11983.00	11924.00	11874.00	11834.00
	Rate of Interest	12.05%	12.05%	12.05%	12.05%	12.05%
	Interest on Working Capital	1448.89	1443.95	1436.84	1430.82	1426.00

Petitioner

Particular	2019-20	2020-21	2021-22	2022-23	2023-24
Base O&M Expenses	4.47%	4.47%	4.47%	4.47%	4.47%
Escalation	12032.7	12570.6	13132.5	13719.5	14332.8
Total O&M Expenses					



PART-II
FORM-13C

Other Income as on COD

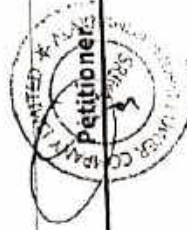
ALAKNANDA HYDRO POWER COMPANY LIMITED
330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Name of the Petitioner :
Name of the Generating Station :

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2013-14
1	Interest on Loans and advance	
2	Interest received on deposits	
3	Income from Investment	
4	Income from sale of scrap	
5	Rebate for timely payment	
6	Surcharge on late payment from beneficiaries	
7	Rent from residential building	
8	Misc. receipts (Please Specify Details)	

Not Applicable



PART-II
FORM-13D

Incidental Expenditure during Construction up to Scheduled COD and up to Actual/anticipated COD

Name of the Petitioner :

ALAKNANDA HYDRO POWER COMPANY LIMITED

Name of the Generating Station :

330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Amount in Rs Lakh

Sl.No.	Parameters	As on Scheduled COD	As on actual COD/anticipated COD
A	Head of Expenses:		
1	Employees' Benefits Expenses		
2	Finance Costs		
3	Water Charges		
4	Communication Expenses		
5	Power Charges		
6	Other Office and Administrative Expenses		
7	Others (Please Specify Details)		
8	Other Pre-Operating Expenses		
	...		
	...		
B	Total Expenses		
	Less: Income from sale of tenders		
	Less: Income from guest house		
	Less: Income recovered from Contractors		
	Less: Interest on Deposits		
		

Petitioner



Draw Down Schedule for Calculation of IFC & Finance Charges									
Name of the Petitioner:		ALAKNANDA HYDRO POWER COMPANY LIMITED							
Name of the Generating Station:		330 MW (4 x 82.5 MW) SURNAGAR HYDROELECTRIC PROJECT							
Sl. No.	Draw Down Particulars	Quarter 1			Quarter 2		Quarter n (COO)		
		Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date
1	Loans								
1.1	Foreign Loans								
1.1.1	Foreign Loan 1								
	Draw down Amount								
	IDC								
	Financing charges								
	Foreign Exchange Rate Variation								
	Hedging Cost								
1.1.2	Foreign Loan 2								
	Draw down Amount								
	IDC								
	Financing charges								
	Foreign Exchange Rate Variation								
	Hedging Cost								
1.1.3	Foreign Loan 3								
	Draw down Amount								
	IDC								
	Financing charges								
	Foreign Exchange Rate Variation								
	Hedging Cost								
1.1.4	--								
1.1	Total Foreign Loans								
	Draw down Amount								
	IDC								
	Financing charges								
	Foreign Exchange Rate Variation								
	Hedging Cost								
1	Indian Loans								
1.2.1	Indian Loan 1			Amount					
	Draw down								
	IDC			Financing					
	charges								
1.2.2	Indian Loan 2								
	Draw down								
	Amount								
	IDC			charges					
	Financing								
	charges								
1.2.3	Indian Loan 3			Amount					
	Draw down								
	IDC			charges					
	Financing								
	charges								
1.2.4	--								
1.2	Total Indian Loans			Amount					
	Draw down								
	IDC			Financing					
	charges								



Sl. No.	Date Sheet Particulars	Quarter 1		Quarter 2		Quarter 3		Quarter 4	
		Exchange Rate	Exchange Rate	Exchange Rate	Exchange Rate	Exchange Rate	Exchange Rate	Exchange Rate	Exchange Rate
	Rate of 1000 Rupees								
	Interest								
	Transfer Charge								
	Foreign Exchange Rate								
	Exchange Rate								
	Rate								
	Foreign exchange rate								
	Rate of 1000 Rupees								
	Rate								
	Rate								



PART-II

FORM- 14A

Actual Cash Expenditure

ALAKNANDA HYDRO POWER COMPANY LIMITED

330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Name of the Petitioner :

Name of the Generating Station :

(Amount in Rs. Lakh)

Particulars	Quarter-I	Quarter-II	Quarter-III	Quarter-n (COD)
Payments to contractors / suppliers towards capital assets				
% of fund deployment				

Note: If there is variation between payments and fund deployment justification need to be furnished

(Petitioner)



PART-II
FORM- 15 A

Design energy and peaking capability (month wise) -ROR with Pondage/Storage type new stations

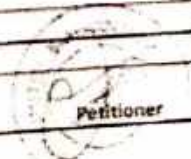
Name of the Petitioner :

ALAKNANDA HYDRO POWER COMPANY LIMITED

Name of the Generating Station :

330 MW (4 x 82.5 MW) SHRINAGAR HYDROELECTRIC PROJECT

Not Applicable


Petitioner

PART-II
FORM- 15 B

Design energy and MW Continuous (month wise)-ROR type stations

Name of the Petitioner :

ALAKNANDA HYDRO POWER
330 MW (4 x 82.5 MW) SHRINAGAR
HYDROELECTRIC PROJECT

Name of the Generating Station :

Month	Unit	Design Energy
April	I	10.79
	II	9.95
	III	11.11
	Total	15.94
May	I	19.08
	II	28.73
	III	
	Total	57.11
June	I	66.74
	II	56.96
	III	
	Total	75.24
July	I	75.24
	II	82.76
	III	
	Total	75.24
August	I	75.24
	II	82.76
	III	
	Total	75.24
September	I	75.24
	II	54.85
	III	
	Total	43.44
October	I	40.23
	II	29.42
	III	
	Total	22.91
November	I	17.58
	II	16.98
	III	
	Total	15.77
December	I	14.45
	II	14.31
	III	
	Total	11.11
January	I	11.06
	II	11.73
	III	
	Total	9.37
February	I	10.18
	II	7.41
	III	
	Total	8.49
March	I	9.08
	II	10.20
	III	
	Total	1,251.94



Liability Flow Statement

Name of the Petitioner: Akankanda Hydro Power Company Limited
 Name of the Generating Station: 330 MW Shrinagar Hydro-electric project

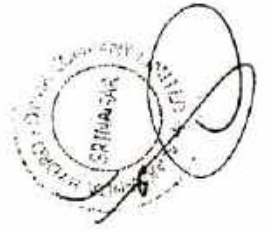
Rs Lakhs

S. No.	Particular	Liability as on 21.06.2015	Discharges (From 21.06.2015 to 31.03.2016)	Discharges (FY 2016-17)	Discharges (FY 2017-18)	Discharges (FY 2018-19)	Liability as on 31.03.2019	Discharges (FY 2019-20)	Discharges (FY 2020-21)	Discharges (FY 2021-22)	Discharges (FY 2022-23)	Discharges (FY 2023-24)	Total discharges during MYT	Liability as on 31.03.2024
1	Retention Money	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Creditors for Capital works	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Sundry creditors (EDC)	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Outstanding Liabilities for expenses	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Development Costs payable to Govt.	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Interest dues to lenders on Borrowings	-	-	-	-	-	-	-	-	-	-	-	-	-
Retention Money														
S. No.	Party	Liability as on 21.06.2015	Discharges (From 21.06.2015 to 31.03.2016)	Discharges (FY 2016-17)	Discharges (FY 2017-18)	Discharges (FY 2018-19)	Liability as on 31.03.2019	Discharges (FY 2019-20)	Discharges (FY 2020-21)	Discharges (FY 2021-22)	Discharges (FY 2022-23)	Discharges (FY 2023-24)	Total discharges during MYT	Liability as on 31.03.2024
1	Retention Money	-	-	-	-	-	-	-	-	-	-	-	-	-
Creditors for Capital works														
S. No.	Party	Liability as on 21.06.2015	Discharges (From 21.06.2015 to 31.03.2016)	Discharges (FY 2016-17)	Discharges (FY 2017-18)	Discharges (FY 2018-19)	Liability as on 31.03.2019	Discharges (FY 2019-20)	Discharges (FY 2020-21)	Discharges (FY 2021-22)	Discharges (FY 2022-23)	Discharges (FY 2023-24)	Total discharges during MYT	Liability as on 31.03.2024
1	Creditors for Capital Works	-	-	-	-	-	-	-	-	-	-	-	-	-
Sundry creditors (EDC)														
S. No.	Party	Liability as on 21.06.2015	Discharges (From 21.06.2015 to 31.03.2016)	Discharges (FY 2016-17)	Discharges (FY 2017-18)	Discharges (FY 2018-19)	Liability as on 31.03.2019	Discharges (FY 2019-20)	Discharges (FY 2020-21)	Discharges (FY 2021-22)	Discharges (FY 2022-23)	Discharges (FY 2023-24)	Total discharges during MYT	Liability as on 31.03.2024
1	Sundry Creditors EDC	-	-	-	-	-	-	-	-	-	-	-	-	-

Not Applicable



(Petitioner)



प पंजाब नैशनाल बैंक
Punjab National Bank

फिड कोरपोरेट शाखा, बंजारा हिल्स, हैदराबाद (तेलंगाणा) (4437)
Mid Corporate Br., Banjara Hills, HYDERABAD (Telangana) 500034

बैंक कीम का तें लिए धरा
21 09 20 20
D D M M Y Y Y Y

मार्गे जाने पर ON DEMAND PAY SECRETARY, UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION

या चतके आदेश पर OR ORDER

यति RUPEES ** Sixteen lakh fifty thousand only**

मूल के बदले मूल का
FOR VALUE RECEIVED

₹

16,50,000/-

₹	₹	₹	₹
₹	₹	₹	₹
₹	₹	₹	₹
₹	₹	₹	₹

UQT 601074

ब्रांचे का नाम Branch Serial No.

पंजाब नैशनाल बैंक
Punjab National Bank

कृपया ध्यान दें: कृपया ड्राफ्ट के साथ D.No.

D.No. 1986 - FINACLE -
RCC LUCKNOW FINACLE

Purchaser: ALAKHANDA HYDRO POWER COMPANY LTD.

(NOT OVER RS. 500000/-)

अधिकृत सिग्नेचर के साथ
AUTHORISED SIGNATURE ONLY WITH GBPANo.

अधिकृत सिग्नेचर के साथ
AUTHORISED SIGNATORY WITH GBPANo.

⑈ 601074 ⑈ 000024000⑈

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9	8	7	6	5	4	3	2	1
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