



**U.P. RAJYA VIDYUT UTPADAN NIGAM LTD.**

12th Floor, Shakti Bhawan ESta.,  
14-Ashok Marg, Lucknow - 226001  
उप राज विद्युत उत्पादन निगम लि.,  
12वीं मं, शक्ति भवन बिल्डिंग,  
14, अशोक मार्ग, लखनऊ-226001  
CIN-UJ31901UP1985SGC007135

No. 105 /SE (Comm.)/MYT Petition/(2024-29)

Date: 07.07.2025

To,

✓ The Secretary,  
U.P. Electricity Regulatory Commission,  
Vibhuti Khurd - II, Gomti Nagar,  
Lucknow-226010

**Subject: Petition for approval of ARR and determination of multiyear tariff for Obra, Khara, Rihand, Matatila, UGC, Belka, Babail and Sheetha Hydro Power Stations of UPRVUNL for the control period from FY 2024-25 to 2028-29.**

Sir,

Please find enclosed herewith the Multiyear tariff petition in 6 copies (01 original + 05 photocopies + Soft copy) for the approval of Annual Revenue Requirement and tariff determination of various hydro power stations of UPRVUNL. The aforementioned petition is being submitted for the control period 2024-25 to 2028-29 under UPERC (Terms and Conditions for Generation Tariff) Regulations-2024.

As per UPERC (Fees & Fines) Regulations-2010 and amendment schedule of fees, the tariff petition fee amount of Rs 26,24,500/- (Rs Twenty Six Lacs Twenty Four Thousand Five Hundred Only) has already been deposited in Hon'ble UPERC's PNB A/C No. 2408010100015729 through KTGS (UTR No. M-910892 dated 07/07/2025)(enclosed).

The Details of Hydro Power Stations and Fee deposited are as below:-

S.No.	Hydro Power Station	Unit Size (MW)	Unit Capacity (MW)	Fee/MW (Rs.)	Fee Amount (Rs)
1.	Obra	3x33	99.00	5000.00	4,95,000.00
2.	Khara	3x24	72.00	5000.00	3,60,000.00
3.	Rihand	6x50	300.00	5000.00	15,00,000.00
4.	Matatila	3x10.2	30.60	5000.00	1,53,000.00
5.	UGC	13.7	13.70	5000.00	68,500.00
6.	Belka	2x1.5	3.00	5000.00	15,000.00
7.	Babail	2x1.5	3.00	5000.00	15,000.00
8.	Sheetha	3x1.2	3.60	5000.00	18,000.00
			<b>524.90</b>	5000.00	<b>26,24,500.00</b>

(Rs. Twenty Six Lacs Twenty Four Thousands and Five Hundred Only)

Submit for kind consideration.

Encl: As above.

Yours Sincerely,

Chief Engineer (O&M)

No.       /SE (Comm.)/MYT Petition/(2024-25) Date 07.2025

Copy to the following respondents for their kind information:-

1. PS to M.D., U.P. Power Corporation Ltd., 7<sup>th</sup> floor, Shakti Bhawan, Lucknow.
2. PS to M.D., Himachal Pradesh State Electricity Board Limited (HPSEBL), Vidyut Bhawan, Shimla, H.P.- 171004
3. PS to M.D., Madhya Pradesh Power Management Company Limited (MPPMCL), Shakti Bhawan, Vidyut Nagar, Jabalpur (M.P.) - 482008
4. PS to M.D., Madhyanchal Vidyut Vitran Nigam Ltd., P.N. Road, Gokhale Marg, Lucknow.
5. PS to M.D., Poorvanchal Vidyut Vitran Nigam Ltd., 132 KV S/S Bhikhari Vidyut Nagar, Varanasi.
6. PS to M.D., Pashimanchal Vidyut Vitran Nigam Ltd., Victoria Park, Meerut.
7. PS to M.D., Dakshinanchal Vidyut Vitran Nigam Ltd., Vidyut Bhawan, Gailana Road, Agri.
8. Director (P&C), U.P. Rajya Vidyut Utpadan Nigam Limited, 8<sup>th</sup> floor, Shakti Bhawan, Lucknow.
9. Director (Finance), U.P. Rajya Vidyut Utpadan Nigam Limited, 8<sup>th</sup> floor, Shakti Bhawan, Lucknow.
10. Chief Engineer (PPA), UPPCL, 14<sup>th</sup> Floor, Shakti Bhawan Extension, Lucknow.

Yours Sincerely,

/

Chief Engineer (O&M)



# U.P. RAJYA VIDYUT UTPADAN NIGAM LIMITED

उत्प्रेर राज्य विद्युत उत्पादन निगम लिमिटेड  
(पूर्ववर्ती उत्प्रेर जल विद्युत निगम लि.)

एच.ए.ए. इन्डिया नगर बिल्डिंग,  
31-जमशेदपुर मार्ग, लखनऊ-226001  
CIN : U31101UP19855GC007135



संख्या : 926/अपराविद्युतनिगम(अपराविद्युत)/लेडी

दिनांक : 07/7/25

To,

The Manager  
Punjab National Bank  
Station Road,  
Lucknow.

Sir,

Please transfer a sum of Rs. 26,24,500.00 (Twenty Six Lakhs Twenty Four Thousand and Five Hundred Only) from our Saving Bank A/c No. - 1499101000173 to particulars given below:-

Bank Name	-	Punjab National Bank
Branch Name	-	RKU Mandi Parishad, Lucknow
IFSC Code	-	PUNB0019400
Account No.	-	2408010100015729
Beneficiary Name	-	UP Electricity Regulatory Commission



Your self Cheque No. 879296, Dated 07-7-25 for Rs. 26,24,500.00 (Twenty Six Lakhs Twenty Four Thousand and Five Hundred Only) is enclosed herewith.

Thanking You,  
Yours faithfully,

Accounts Officer

M=910892



MYT PETITION FOR DETERMINATION OF TARIFF  
FOR THE PERIOD- FY 2024-25 TO 2028-29 FOR  
OBRA HPS, KHARA HPS, RIHAND HPS,  
MATATILA HPS, UPPER GANGA CANAL SHP'S,  
BELKA SHP, BABAIL SHP, SHEETLA SHP HYDRO  
POWER STATIONS OF UP RAJYA VIDYUT  
UTPADAN NIGAM LIMITED

Submitted to

Hon'ble

UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION



2025

UTTAR PRADESH RAJYA VIDYUT NIGAM LTD.  
Shakti Bhawan, Lucknow

*Handwritten signature*

(Name in Hindi)  
उत्तर प्रदेश विद्युत निगम (राज्य विद्युत निगम)

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 (Name) (Signature)  
 (Date) (Time)

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*Chaitanya*  
(Signature)  
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2024/01/27

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*Shashi*  
 (Member Secy)  
 Joint Secretary (M&T) UPSE

**FORM-1**

(See Regulation 30)

**BEFORE THE HON'BLE UTTAR PRADESH ELECTRICITY REGULATORY  
COMMISSION,  
GOMTI NAGAR, LUCKNOW**

Receipt Register No.: \_\_\_\_\_

Petition No.: \_\_\_\_\_

**IN THE MATTER OF**

SUBMISSION OF MULTI YEAR TARIFF PETITION FOR APPROVAL OF ANNUAL REVENUE REQUIREMENT AND DETERMINATION OF TARIFF FOR FY 2024-25 TO FY 2028-29 IN RESPECT OF HYDRO POWER PLANT OF U. P. RAJYA VIDYUT UTPADAN NIGAM LIMITED NAMEDLY OBRA HPS, KHARA HPS, RIHAND HPS, MATATLA HPS, UPPER GANGA CANEL SHP, BELKA SHP, BABAIL SHP AND SHEETLA SHP.

AND

**IN THE MATTER OF**

U. P. RAJYA VIDYUT UTPADAN NIGAM LIMITED (UPRVUNL),  
SHAKTI BHAWAN, 14-ASHOK MARG, LUCKNOW.

APPLICANT

V/s

UTTAR PRADESH POWER CORPORATION LIMITED (UPPCL),  
SHAKTI BHAWAN, 14-ASHOK MARG, LUCKNOW.

HIMACHAL PRADESH ELECTRICITY BOARD LIMITED (HPEBL),  
VIDYUT BHAWAN, SHIMLA, HIMACHAL PRADESH- 171004

MADHYA PRADESH POWER MANAGEMENT COMPANY LTD  
SHAKTI BHAWAN, VIDYUT NAGAR, JABALPUR (M.P)- 482008

MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
PN ROAD, LUCKNOW.

POORVANCHAL VIDYUT VITRAN NIGAM LTD.  
132 KV S/S BHIKARI VIDYUT NAGAR, VARANASI

PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.  
VICTORIA PARK, MEERUT

DAKSHINANCHAL VIDYUT VITRAN NIGAM LTD.  
GALINA ROAD AGRA.

KANPUR ELECTRICITY SUPPLY CO. LTD.  
KESA HOUSE, KANPUR

RESPONDENTS

Place: Lucknow

Date:

*Manish*  
(Name of)  
जय प्रकाश (श्री ११११) Petitioner

5A

**FORM-2**  
(See Regulation 31)  
**BEFORE THE HON'BLE UTTAR PRADESH ELECTRICITY REGULATORY  
COMMISSION GOMTINAGAR, LUCKNOW**

Receipt Register No.: \_\_\_\_\_

**PETITION NO.** \_\_\_\_\_

**IN THE MATTER OF**

SUBMISSION OF MULTI YEAR TARIFF PETITION FOR APPROVAL OF ANNUAL REVENUE REQUIREMENT AND DETERMINATION OF TARIFF FOR FY 2024-25 TO FY 2028-29 IN RESPECT OF HYDRO POWER PLANT OF U. P. RAJYA VIDYUT UTPADAN NIGAM LIMITED NAMEDLY ODBA HPS, KHARA HPS, RIHAND HPS, MATATILA HPS, UPPER GANGA CANEL SHP, BELKA SHP, BABAIL SHP AND SHEETLA SHP.

AND

**IN THE MATTER OF**

U. P. RAJYA VIDYUT UTPADAN NIGAM LIMITED (UPRVUNL),  
SHAKTI BHAWAN, 14-ASHOK MARG, LUCKNOW.

APPLICANT

V/s

UTTAR PRADESH POWER CORPORATION LIMITED (UPPCL),  
SHAKTI BHAWAN, 14-ASHOK MARG, LUCKNOW.

HIMACHAL PRADESH ELECTRICITY BOARD LIMITED (HPEBL),  
VIDYUT BHAWAN, SHIMLA, HIMACHAL PRADESH- 171004

MADHYA PRADESH POWER MANAGEMENT COMPANY LLTD  
SHAKTI BHAWAN, VIDYUT NAGAR, JABALPUR (M.P)- 482008

MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
PN ROAD, LUCKNOW.

POORVANCHAL VIDYUT VITRAN NIGAM LTD.  
132 KV S/S BHIKARI VIDYUT NAGAR, VARANASI

PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.  
VICTORIA PARK, MEERUT

DAKSHINANCHAL VIDYUT VITRAN NIGAM LTD.  
GALINA ROAD AGRA.

KANPUR ELECTRICITY SUPPLY CO. LTD.  
KESA HOUSE, KANPUR

RESPONDENTS

*Handwritten signature*  
[Name] (Sd/-)  
[Designation] (पिता का नाम)

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3. That the contents attached herewith filed by the Applicant on behalf of UPRVUNL are based on the information available with the Applicant in the normal course of business and believed by me to be true.
4. I say that the Text, Appendixes and Annexures to the submissions are true and correct copies of their original.

*Chaitanya*  
**DEPONENT**  
(सत्य व प्रामाणिक)  
जुम साक्षरता (सत्य व प्रामाणिक)

**VERIFICATION**

I, the above named deponent, do hereby verify that the contents of this affidavit are true and correct to my knowledge, no part of it is false and nothing material has been concealed therefrom.

Sworn and verified by me on this date of 07/07/2025, at Lucknow.

*Chaitanya*  
**DEPONENT**  
(सत्य व प्रामाणिक)  
जुम साक्षरता (सत्य व प्रामाणिक)

Sworn and Verified  
Before me

**R. C. VERMA**

Adv. & Notary  
Lucknow U.P. India  
Regd 31/64/2000

*07/07/2025*

(SD)

## 1. INTRODUCTION

### 1.1 Rationale

The Electricity Act, 2003 (Act 36 of 2003) came into force with effect from 13th October 2003 and the previous Acts governing the electricity supply in the country viz. The Indian Electricity Act, 1910 (9 of 1910), the Electricity (Supply) Act, 1948 (54 of 1948) and the Electricity Regulatory Commissions Act, 1998 have been repealed. The provisions of the UP-Electricity Reform Act, 1999 (Uttar Pradesh Act 24 of 1999) to the extent not inconsistent with the provisions of the Electricity Act, 2003, however, continue to apply to Uttar Pradesh.

As per Section 10 (2) of the Electricity Act, 2003 (hereinafter referred to as the Act), UPJVNL shall supply electricity to the Licensees (UPPCL/ HPSEBL/ MPPMCL or its successors). Section 62 (1) of the Act provides that the Appropriate Commission shall determine the tariff in accordance with the provisions of the Act, inter-alia, for supply of electricity by a generating company to a distribution licensee. Further, in accordance with Section 35 (1) (a) of the Act, UPERC shall determine the tariff of generation of power at stations owned by the UPJVNL. Section 35 (1) (b) further mandates UPERC to regulate electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured from the generating companies or licensees. Accordingly, this petition is being submitted by the state generating utility for determination of tariff of its power stations.

Hon'ble CERC vide order dated 12.10.2017 in Petition 126-MP-2016 has decided Rihand HPS and Matatila HPS as composite project and ordered UPJVNL to file tariff petition in CERC only. Later, a meeting was held between Principal Secretary (Energy), GoUP and Principle Secretary (Energy), GoMP on dated 09.08.2018 and it was discussed alongside the meeting that MP Power Management Company Limited (MPPMCL) shall continue with the practice of filing tariff for the Rajghat HPS before Hon'ble MPERC and UP Jal Vidyut Nigam Limited (UPJVNL) will file tariff Petition for Rihand HPS & Matatila HPS before Hon'ble UPERC. Moreover, to this, UPPCL and MPPMCL have given their consent to file tariff petition of Rihand HPS & Matatila HPS before Hon'ble UPERC.

### 1.2 UPRVNL (Earlier Known as UPJVNL)

Uttar Pradesh Jal Vidyut Nigam Limited (UPJVNL), hereinafter referred to as the "Petitioner" is a company incorporated on 15<sup>th</sup> April 1985 under the Companies Act, 1956 in the name of "Uttar Pradesh Aparthak Evam Laghu Jal Nigam (UPAEJVNL)" which was subsequently changed to "Uttar Pradesh Jal Vidyut Nigam Limited" on 17<sup>th</sup> December 1995.

UPAEJVNL was incorporated with a view to investigate new sites for Mini & Small hydroelectric schemes in hilly & plain regions of the State and to formulate the detailed project reports and also to execute the same. The main objectives to be pursued by the Company were as mentioned below:

- To establish, operate and maintain small hydro-electric generating stations and associated transmission lines and sub-stations.

  
(Name) \_\_\_\_\_  
जल विद्युत निगम (उ.प्र.) लि. (UPJVNL)

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

- > Survey & investigation of New Small Hydro-Electric Schemes and Preparation of Project Reports
- > To enter into arrangements for the sale of Electricity generated by Nigam to U.P. State Electricity Board or to any other agency with the consent of the state government.
- > Electrification of the villages located near Nigam's Small Hydro-Electric Projects. To promote the participation of Private sector in the development of Small Hydro-Electric Projects in Uttar Pradesh.

The reforms in the power sector of Uttar Pradesh started with the enactment of Uttar Pradesh Electricity Reforms Act, 1999. Subsequently, Uttar Pradesh Electricity Reforms Transfer Scheme, 2000 (hereinafter referred to as the First Transfer Scheme) was notified vide notification No. 145P/1/2000-24, Lucknow, on 14<sup>th</sup> January 2000.

Consequent to which, Uttar Pradesh State Electricity Board (UPSEB) was unbundled into three different entities, Uttar Pradesh Power Corporation Limited (UPPCL), Uttar Pradesh Raysa Vidyut Utpanan Nigam Limited (UPRVUNL) and Uttar Pradesh Jal Vidyut Nigam Limited (UPJVNL). Uttar Pradesh Power Corporation Limited (UPPCL) was vested with the responsibility of transmission and distribution of electricity. Uttar Pradesh Raysa Vidyut Nigam Limited (UPRVUNL) was vested with the responsibility of generation and sale of electricity from the thermal generating stations and Uttar Pradesh Jal Vidyut Nigam Limited (UPJVNL) was vested with the responsibility of generation and sale of electricity from the hydro generating assets of erstwhile UPSEB. As part of the scheme all Hydro Power generating stations as set out in Schedule B to the transfer scheme were transferred to and vested with the Petitioner.

The transfer Scheme was by GOUP vide notification no. 345P/1/2001-24 dated 25<sup>th</sup> January 2001, which made the Transfer Scheme of the year 2000 effective from 14<sup>th</sup> January 2000. The modified Scheme provided that value of gross fixed assets as INR 940.36 Cr. & INR 403.18 Cr as total long-term debt and the equity amount to INR 372.18 Cr.

In pursuance of GOUP notification no. 2740P/1/2003-24-14P/2003 dated 12<sup>th</sup> August 2003, UPPCL was further divided into five successor companies, with UPPCL as Transm and four successor distribution companies (hereinafter referred to as "licensees"), which are as follows:

1. Paschimanchal VidyutVitan Nigam Limited, Meerut - (Meerut DisCom)
2. Dakshinanchal VidyutVitan Nigam Limited, Agra - (Agra DisCom)
3. Madhyanchal VidyutVitan Nigam Limited, Lucknow - (Lucknow DisCom)
4. Poonanchal VidyutVitan Nigam Limited, Varanasi - (Varanasi DisCom)

The Petitioner, in its application, has provided a description on the evolution of UPJVNL, vis-à-vis the structural changes that occurred in the power sector in the state of Uttar Pradesh subsequent to unbundling of the erstwhile UPSEB. It had to undergo further restructuring due to the reorganization of the state by carving out the state of Uttarakhand from Uttar Pradesh. Prior to this bifurcation, all the assets of hydro generation were under the control of Uttar Pradesh Jal Vidyut Nigam Limited. Due to

*(Handwritten Signature)*  
(Name) <sup>1000</sup>  
जल विद्युत निगम (उत्तर प्रदेश)

MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

carved out of the state of Uttar Pradesh from Uttar Pradesh, the generating assets falling under the geographical domain of Uttarakhand were vested in a new company, the Uttarakhand Jal Vidyut Nigam Limited (UJVNL) with effect from 08<sup>th</sup> November 2001 the date on which the State of Uttarakhand was carved out of Uttar Pradesh.

On 3<sup>rd</sup> November 2023, the Governor of Uttar Pradesh published the "Uttar Pradesh Electricity Reform (Amalgamation and Merger of State Generating Companies) Scheme, 2023" (attached as Annexure-A) under the authority granted by the Electricity Act and the Uttar Pradesh Electricity Reforms Act, 1995. This scheme is effective from 1<sup>st</sup> April 2024. Proviso 3(i) outlines the intent and purpose of the Scheme, as detailed below:

"3(i) \_\_\_\_\_ the functions and undertakings of UPRVNL and Jalesharpur VNL along with all Assets, Liabilities, Properties, Proceedings and Personnel shall stand transferred by way of amalgamation and merger and vested in UPJVNL, for all intents and purposes, without any further act, deed or thing to be done by any person or authority including the state Government, UPJVNL, UPRVNL, or Jalesharpur VNL, or any other person or authority."

The merged company is now known as U.P. Raja Vidyut Upadan Nigam Limited (UPRVNL).

The MoP, Govt in its Order No. 42/2000 dated 05<sup>th</sup> November 2001 laid down the procedure for division of "Assets & Liabilities" between UPJVNL & UJVNL, to which the Board of Directors of UPJVNL accorded their approval for the transfer of balances to UJVNL, in its 75<sup>th</sup> Meeting dated 07<sup>th</sup> August 2003. The balances were transferred retrospectively dated 08<sup>th</sup> November 2001. UPJVNL transferred a provisionally GFA balance of INR 676.22 Cr to UJVNL. The transfer of balances to UJVNL, has in effect altered the capital cost and cost structures devolved upon it by the First Transfer Scheme. The following shows the changes in the GFA values in context with the Uttarakhand Transfer Scheme:

Table: Capital structure as per the Transfer schemes

(All figures in INR Cr)

Particulars	Capital Structure as per First Transfer Scheme	Capital Structure as per Uttarakhand Transfer Scheme
UP Plants	432.49	320.19
UT Plants	512.88	676.22
GFA Balance	945.38	996.42 <sup>1)</sup>

The above table depicts that the First Transfer Scheme had assigned a GFA value of INR 432.49 Cr to the hydro stations of Rihand, Obra, Matatila, Khars and UGC (pertaining to UP). However, the UPJVNL assigned a higher value at the time of transfer of balances to UJVNL, to the hydro stations situated in Uttarakhand, thereby assigning a GFA value of only INR 320.19 Cr as against the erstwhile value of INR 432.49 Cr for hydro stations of UP. The annual accounts of UPJVNL, have been prepared considering the transfer of balances to UJVNL, (where GFA transferred to UJVNL, was INR 676.22 Cr).

<sup>1)</sup> Includes opening balance as on 1<sup>st</sup> January 2000 of UP Raja Vidyut Nigam Limited, Capital structure in FY 2000 and excluding balance of INR 0.71 Cr pertaining to Dams & Canal.

*U.P. Raja Vidyut Upadan Nigam Limited*  
(Main Dept.)  
Joint Secretary (Ops. & Safety)

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

Finalization of asset and liabilities between UPJ/VNL and UJVN is still pending due to some disputes, which are referred to GoI for final settlement.

**Installed Capacity of the Petitioner**

Consequent to the Transfer Scheme, 2000 dated 14<sup>th</sup> January 2000 the total capacity transferred to and vested with UPJ/VNL was 1494.35 MW as shown in the table below:

**Table: Running Hydro Power Stations as per Transfer Scheme, 2000**

S.No.	Power Station Detail	Units (Nos)	Unit Capacity (in MW)	Total Capacity (in MW)
1	Rihand Power Station	6	50	300
2	Obra Hydel Power Station	3	33	99
3	Matalla Power Station	3	10.2	30.6
4	Khatma Power Station	3	13.8	41.4
5	Ranganga Power Station	3	66	198
6	Dhakran Power Station	3	11.25	33.75
7	Dhalpur Power Station	3	17	51
8	Chibro Power Station	4	60	240
9	Kulhal Power Station	3	10	30
10	Chilla Power Station	4	36	144
11	Khodri Power Station	4	30	120
12	Maneri Bhal Stage I Power Station	3	30	90
13	Kharsa Power Station	3	24	72
<b>Upper Ganga Canal Power Stations</b>				
14	Rihola Power Stations	4	0.375	1.5
		2	0.6	1.2
15	Paora Power Station*	3	0.2	0.6
16	Sumera Power Station*	2	0.6	1.2
17	Sarwa Power Station	2	1.5	3
18	Chitaura Power Station	2	1.5	3
19	Nirgauri Power Station	2	2.5	5
20	Mohammadpur Power Station	3	3.1	9.3
21	Pathri Power Station	3	6.8	20.4
	<b>Total</b>	<b>68</b>		<b>1494.35</b>

\*These units were abandoned at the time of transfer.

  
 P 2 2 0 1 0 1  
 (Name of)  
 जल अधिकारी (सहायक प्रमुख)

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From the above table it is evident that Pains & Tumera Power Stations were already abandoned earlier to the date of transfer. Therefore, the actual Capacity transferred to UPJVNL was 1492.5 MW only.

On reorganisation of the State of UP and formation of Uttarakhand, assets, liabilities and control in respect of hydro generating stations located in Uttarakhand were vested in Uttarakhand Jal Vidyut Nigam Limited (UJVNL) with effect from 05<sup>th</sup> November 2001 the major portion of the installed hydro generation capacity & the hydro power potential are now located in Uttarakhand while Uttar Pradesh was left with an installed capacity of only 515.3 MW.

Government of India (GoI) vide its provisional order No. 427/2006-R&R dated 05<sup>th</sup> November 2001 issued directions for the sharing of assets and liabilities of the Petitioner between the Petitioner & Uttarakhand Jal Nigam Limited (UJVNL).

Pursuant to the notification all hydro power stations located in the state of Uttarakhand along with assets & liabilities were transferred to and vested with Uttarakhand Jal Nigam Limited (UJVNL). In compliance with the aforesaid order, the entire administrative and financial control over all hydro power plants in operation or under construction in Uttarakhand was vested with UJVNL. Accordingly, the details of Installed Capacity and the age of the generating stations retained with Petitioner are listed in table below.

**Table: Running Hydro Power Stations vested with UPJVNL pursuant to GoI order dated 05<sup>th</sup> November 2001**

S. No	Hydro Power Station	Unit No.	Derated Capacity (in MW)	Date of Commercial Operational	Age of Plant as on 31 <sup>st</sup> March 2019 (in Years)
1	Rihand Power Station	1	50	1962	57
		2	50	1962	57
		3	50	1962	57
		4	50	1962	57
		5	50	1962	57
		6	50	1960	53
			<b>300</b>	<b>Average Age</b>	<b>56</b>
2	Odra Hydel Power Station	1	33	15-05-1970	49
		2	33	07-12-1970	49
		3	33	08-04-1971	48
		<b>Sub-Total</b>	<b>99</b>	<b>Average Age</b>	<b>48</b>
3	Matalila Power Station	1	10.2	26-02-1965	54
		2	10.2	02-06-1965	54
		3	10.2	03-09-1965	54
		<b>Sub-Total</b>	<b>30.6</b>	<b>Average Age</b>	<b>54</b>
4	Khara Power Station	1	34	29-12-1990	28

  
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 (श्रीमती)  
 पुष्पा श्रीवास्तव (सी० एच० एच०)

MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

S. No	Hydro Power Station	Unit No.	Derated Capacity (in MW)	Date of Commercial Operational	Age of Plant as on 31 <sup>st</sup> March 2019 (In Years)
		2	24	29-12-1992	26
		3	24	29-12-1992	26
		Sub-Total	72	Average Age	24
Upper Ganga Canal Power Stations:					
5	Ningazmi Power Station	1	2.5	1937	82
		2	2.5	1931	88
		Sub-Total	5	Average Age	85
6	Chitaura Power Station	1	1.5	1936	81
		2	1.5	1938	81
		Sub-Total	3	Average Age	81
7	Salawa Power Station	1	1.5	1937	82
		2	1.5	1937	82
		Sub-Total	3	Average Age	82
8	Bhola Power Stations	1	0.375	Between 1929-1935	90
		2	0.375		89
		3	0.375		88
		4	0.375		87
		5	0.6		85
		6	0.6		84
		Sub-Total	2.7		Average Age
Total			518.3	Average Age	65

In addition to the above, post the Uttarakhand Transfer Scheme, UPI/VNL has commissioned the following hydro power stations, taking the total capacity to 524.9 MW:

Name of the Project	District	Year of Commissioning	Capacity (MW)
Deha	Saharanpur	2002-03	2 x 1.5
Babal	Saharanpur	2002-03	2 x 1.5
Sheetla	Jhansi	2006-07	3 x 1.2

*Chakrabarti*  
 (Signature)  
 Joint Secretary (RTO & SDO)

### 1.3 R&M, Refurbishment & Up-rating Programme

Hon'ble Commission has approved R&M of Rs. 136.27 Crore for Rihand HPS, Rs. 58.80 Crore for Obra HPS and Rs. 10.36 Crore for Matatila as per below:

	2009-10	2010-11	2011-12	2012-13	2013-14	Reference
Rihand HPS	0.00	45.42	45.42	45.42	0.00	UPERC's order dated 20.10.2011 in petition 661/2010
Matatila HPS	0.00	0.00	0.00	10.36	0.00	UPERC's order dated 20.10.2011 in petition 661/2010

	2014-15	2015-16	2016-17	2017-18	2018-19	Reference
Obra HPS	58.80	0.00	0.00	45.42	58.80	UPERC's order dated 03.07.2018 in petition 1109/2016

Petitioner is submitting here that the actual utilization of R&M expenditure for Rihand HPS and Matatila HPS will be presented to Hon'ble Commission during the time of True-up.

### 1.4 Status of Petitions

The Uttar Pradesh Electricity Regulatory Commission notified the Uttar Pradesh Electricity Regulatory Commission (Terms and Conditions of Generation Tariff) Regulations, 2024 on 09<sup>th</sup> April 2024 being in-force for the Control period encompassing the financial years 2024-25 to 2028-29. Further, section 62 (1) of the Electricity Act, 2003 provides that the Appropriate Commission shall determine the tariff in accordance with the provisions of the Act, inter-alia, for supply of electricity by a generating company to a distribution licensee.

Section 7 of the UPERC Generation Regulations, 2024 provides the applicability of such regulations in all cases where tariff for a generating station or a unit thereof required to be determined by the Commission under Section 62 of the Act read with Section 86 thereof. Accordingly, the Petitioner in this petition has claimed the Tariff for its power plant in line with the Multi-Year Regulations approved by the Hon'ble Commission for the Control period encompassing the financial years 2024-25 to 2028-29.

The UPJVNL is submitting MYT petition for FY 2024-25 to FY 2028-29 without True-Up petition for FY 2009-10 and onwards before Hon'ble UPERC. This is so because Hon'ble UPERC vide order dated 28<sup>th</sup> August 2017 in Petition No. 1109/2016 has observed in para 7 along with para 8 that the transfer scheme of UPJVNL & UJVNL are in process of finalization and the OFA balances will undergo changes. Due to this True-Up petition for FY 2009-10 to 2013-14 are immature and the process of finalization of OFA should not delay the tariff determination process. The recite of para 7 and 8 is as follows:

"7. ...However, the transfer scheme of UPJVNL & UJVNL is in process of finalization and the OFA balances are expected to undergo certain changes. Hence UPJVNL has requested the Hon'ble Commission to allow additional submissions for true-up in view of finalization of the transfer scheme.

*Shankar*  
 11/01/2024  
 (शंकर शर्मा)  
 जल विभाग (सी० ए० ए०)

E. The Hon'ble Commission has observed that the current True-Up petition for FY 2008-10 to 2013-14 are immature between UPJVNL & UJVNL. Also, the process of finalization of GFA should not delay the tariff determination process for the MYT period FY 2014-15 to 2018-19."

Petitioner is submitting that the transfer scheme between UPJVNL & UJVNL is still not finalized.

## 2. NORMS FOR CALCULATION OF ANNUAL REVENUE REQUIREMENT

As per tariff regulations the annual capacity (fixed) charges consist of

- Depreciation
- Interest on Loan Capital
- Return on Equity
- Operation and maintenance expenses including insurance and
- Interest on Working Capital

### 2.1 Gross Fixed Assets / Capital Cost

The LPERC Generation Regulations, 2024, specifies that the Capital Cost of the project as on 01<sup>st</sup> April 2024 shall be the capital cost admitted by the Hon'ble Commission up to FY 2023-24. Accordingly, in the instant petition, the Petitioner has considered the value of Gross Fixed Assets for the power plant as on 31<sup>st</sup> March 2024.

Further the Petitioner has considered additional capitalization during the control period due to others capitalize works as per the provisions of LPERC Generation Regulations, 2024. The details of such capitalization have been shown in the specific forms annexed to this petition. The R&M/Refurbishment & Up-rating schemes will be presented to Hon'ble Commission during the time of True-up.

### 2.2 Depreciation

The LPERC Generation Regulations, 2024 provides that the depreciation shall be calculated for each year of the tariff period, on the value of Capital Cost of the assets admitted by the Commission. It further states that the depreciation shall be calculated on the historical cost of the asset and in case of the existing projects, the balance depreciable value as on 01<sup>st</sup> April 2024 shall be worked out by deducting the cumulative depreciation as admitted by the Commission up to 31<sup>st</sup> March 2024 from the gross depreciable value of the assets. The rate of depreciation shall be continued to be charged at the rate specified in Appendix II till cumulative depreciation reaches 70%. Thereafter the remaining depreciable value shall be spread over the remaining life of the asset such that the maximum depreciation does not exceed 90%. Accordingly, the Petitioner has worked out the allowable depreciation for the control period from FY 2024-25 to FY 2028-29 on value of Gross Fixed Assets at the beginning of FY 2023-24 and thereafter considering the proposed additional capitalizations on account of R&M scheme, during the control period. The petitioner has claimed full year depreciation on the value of Gross Fixed Assets as on 1<sup>st</sup> April 2024 and half yearly depreciation on the value of additions in the fixed assets during the year, being in line with the provisions of the LPERC (Terms and Conditions of Generation Tariff) Regulations, 2024.

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(संकेत निश)  
गुप्त अधिका (संकेत निश २३०)

### 2.3 Interest on Loan Capital

Regulation 23 of UPERC (Terms and Conditions of Generation Tariff) Regulations, 2024 prescribes the provisions for calculation of normative interest on loans for the purpose of determination of Annual Revenue Requirement of the power project. The opening loan balance as on 1<sup>st</sup> April 2024 has been considered equivalent to the closing loan balance for FY 2023-24. Thereafter the normative loan addition during the year has been computed at 70% of the total additional capitalization proposed during the year, considering the normative debt: equity ratio of 70:30.

Further, the Petitioner has considered the repayment of loan during the year equivalent to the normative depreciation for the year being in line with the methodology prescribed in the UPERC (Terms and Conditions of Generation Tariff) Regulations, 2024.

The Petitioner would like to re-iterate that it intends to fund its R&M schemes by internal accruals. UPERC (Terms and Conditions of Generation Tariff) Regulations, 2024 stipulate that equity employed would be capped at 30% of the capital cost for the purpose of determination of tariff and the equity in excess of 30% would be eligible for normative debt. Accordingly, capital cost towards R&M schemes has been assumed to be funded normatively at a Debt-to-Equity ratio of 70:30. For computation of interest charges on such normative debt, the Petitioner has considered the same interest rate as considered by the Honble Commission in the previous Tariff Order dated 15<sup>th</sup> March 2023. The plant wise details of the normative loan and interest paid are being provided in the relevant forms prescribed by the Commission.

### 2.4 Return on Equity

Sub-Regulation 3 (a) of Regulation 25 of UPERC (Terms and Conditions of Generation Tariff) Regulations, 2024 prescribes the provisions applicable for calculation of return on equity for the purpose of determination of Annual Revenue Requirement of the Power Project. The opening equity balance as on 01<sup>st</sup> April 2024 has been considered equivalent to the closing equity balance for FY 2023-24. Thereafter the normative equity addition during the year has been computed at 30% of the total additional capitalization proposed during the year, considering the normative debt: equity ratio of 70:30.

The Return on Equity has been computed @ 15% as specified in the Sub-Regulation 3(a) of Regulation 25 of UPERC (Terms and Conditions of Generation Tariff) Regulations 2024 for the control period of FY 2024-25 to FY 2026-29.

### 2.5 Operation & Maintenance Expenses

Regulation 3(d) (iv) of Regulation 25 of UPERC (Terms & Conditions of Generation Tariff) Regulations 2024 stipulates as following:

*"(iv) 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, escalated at the rate of 4-47% per annum or any other factor as considered appropriate by the Commission."*

  
P. S. S. 14/107  
(संकेत निवेदन)  
मुख्य अधिकारी (वर्गीकृत एवं संयुक्त)

As per Sub Regulation 3(d) (vi) of Regulation 25 of "UPERC (Terms & Conditions of Generation Tariff) Regulations 2024, the impact on account of pay revision shall be allowed at the time of truing up of tariff.

Sub Regulation 3(a) (ix) of Regulation 25 of "UPERC (Terms & Conditions of Generation Tariff) Regulations 2024" stipulates as following

*"(ix) In case of the hydro generating stations declared under commercial operation on or after the date of commencement of these Regulations, the base operation and maintenance expenses shall be fixed at 3.50% and 5.0% of the original project cost (excluding cost of rehabilitation & re-energization works, ICC and IEDC) for first year of commercial operation for stations less than 200 MW projects and for stations more than 200 MW respectively and shall be subject to annual escalation of 8.64% per annum for the subsequent years." (Emphasis Supplied)*

## 2.6 Statutory Fees, Cess, duties and taxes

The Petitioner also seeks to recover the tariff filing fees to the Hon'ble Commission as separate pass through as in the past years. Also, it seeks the recovery of statutory liabilities, duties, cess and taxes as separate pass through

## 2.7 Interest on Working Capital

The Petitioner has determined the working capital requirement based on the normative provisions prescribed in Para 3 (e) (iv) of Regulation 25 of the UPERC (Terms and Conditions of Generation Tariff) Regulations, 2024. Interest on working capital has been considered at bank rate as on 1st April of each of the financial year as defined in aforesaid regulation. The aforesaid regulation has been reproduced below

"28

(v) Working Capital for hydro generating stations (including Pumped Storage Hydro generating station) shall cover:

(a) Operation and Maintenance expenses for one month

(b) Maintenance spares @ 13% of operation and maintenance expenses; and

(c) Receivables equivalent to 45 days of Annual fixed cost.

(Emphasis Supplied).



## 2.8 Taxes on Income

The tariff regulations issued by the Commission provides that tax on the income streams of the generating company from its core business shall be computed as an expense and shall be permitted to be recovered. The income tax shall be recovered through the mechanism of tax escrow account.

## 2.9 Incentive

The Petitioner would be raising bills for recovery of incentive for which it is entitled to in terms of the Tariff regulations of the Commission for the control period of FY 2024-25 to FY 2028-29. Accordingly, for the same the Petitioner is not making any specific submission.



(श्रीमंत सिंह)

मुख्य अधिवक्ता (वॉटर एवं गैस)

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### 3. ANNUAL REVENUE REQUIREMENT & MULTI-YEAR TARIFF PETITION

The Provisions provided in Regulation 24 of "UPERC (Terms and Conditions of Generation Tariff) Regulation 2024 regarding the Annual Fixed Cost (AFC) has been reproduced below -

#### 24. Components of tariff

- (1) The tariff for supply of electricity from a generating station shall comprise of two parts, namely, capacity charge (for recovery of annual fixed cost consisting of the components as specified in the Regulation 24 (3)) and energy charge as specified in the Regulation 26
- (2) The Supplementary tariff consisting of supplementary capacity charges and supplementary energy charges, on account of the implementation of revised emission standards in existing generating stations or new generating stations, as the case may be, shall be determined by the Commission separately.
- (3) The Capacity charges shall be derived on the basis of annual fixed cost. The Annual Fixed Cost (AFC) of a generating station shall consist of the following components -
  - a. Return on equity;
  - b. Interest on loan capital;
  - c. Depreciation;
  - d. Interest on working capital and;
  - e. Operation and maintenance expenses;

#### (Emphasis Supplied)

The following sections detail the Annual Revenue Requirement and Tariff Petition for the five-year control period of FY 2024-25 to FY 2028-29 for the following Hydro Power Stations:

- Obra HPS
- Kharsa HPS
- Bhand HPS
- Matalla HPS
- Upper Ganga Canal SHP's
- Debra HPS
- Babal HPS
- Kharsa HPS

### 3.1 Obra Hydro Power System

#### 3.1.1. Gross Fixed Assets/ Capital Cost

The following table provides the snapshot of the year-wise breakup of addition capitalization along with the Gross Fixed Assets balances for each year of the MYT control period:

Table: Fixed Assets Summary- Obra HPS - FY 2024-25 to FY 2028-29

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening GFA	77.59	81.92	97.79	107.61	117.01
Capitalization during the year	4.34	15.07	9.92	6.40	3.39
Closing GFA	81.92	97.79	107.61	117.01	120.40

### 3.1.2. Depreciation

The tariff petition for last control period for Obra Hydro power plant has been approved by the commission vide order dated 15.03.2022 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.08.2024 for determination of tariff for Obra, Khara, UGC, Belka, Babal and Shestaa HPS for 2019-2024 tariff period.

Table: Depreciation Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24

(All figures in INR Cr)

	Approved by Commission				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Depreciation	4.50	4.50	4.50	4.50	4.50

The details of proposed additional capitalization for the MYT period has been provided in the table below

Table: Proposed Additional Capitalization for the MYT Control Period for Obra HPS

(All figures in INR Cr)

Proposed Add-Cap	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Proposed Add-Cap	4.34	15.07	9.92	6.40	3.39

The depreciation for the purpose of determination of tariff has been calculated on the opening GFA values for each financial year. The depreciation on the capital additions has been provided starting from the year succeeding the year of capitalization at the rates specified in the Appendix 3 (A) of UPERC (Terms and Conditions of Generation Tariff) Regulations 2024.

*(Signature)*

(Date: 18/12/24)  
 Joint Secretary (Finance & Accounts)

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

The rates of depreciation prescribed by the Hon'ble Commission in Appendix 3 (A) of the aforesaid Tariff Regulations prescribe different depreciation rates for different assets. In such circumstances it would only be fit to consider station wise depreciation calculated at the weighted average rate.

The depreciation on capital additions worked out has been included in depreciation amount claimed for the financial year succeeding the year of capitalization, being in line with the methodology followed by the Hon'ble Commission.

The summary of depreciation calculation for the period of FY 2024-25 to FY 2028-29 is as follows:

**Table: Depreciation Summary- Odra HPS - FY 2024-25 to FY 2028-29**

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Accrual Depreciation	42.64	47.27	52.48	58.45	64.97
Depreciation during the year	4.63	5.23	5.97	6.53	6.90
Closing Accrual Depreciation	47.27	52.48	58.45	64.97	71.87

**3.1.3. Interest on Loan Capital**

The tariff petition for last control period for Odra Hydro power plant has been approved by the commission vide order dated 15.03.2022 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Odra, Khara, UGC, Belka, Babai and Sheeltaa HPS for 2019-2024 tariff period.

**Table: Interest on Loan Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24**

(All figures in INR Cr)

	Approved by Commission				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2023-23	FY 2023-24
Interest on Loan	4.55	4.00	3.45	2.90	2.35

A summary of the loan balances, draws and repayments along with interest cost is summarized in Table below:

*(Handwritten signature)*

(श्रीधर सिंह)

मुख्य अधिकारी (वित्त एवं मंत्र)

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Table: Summary of Interest on Loan for the Control Period for Obra HPS

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance	16.80	16.21	21.10	22.01	22.07
Additions	3.23	11.11	6.87	6.58	2.37
Repayments	4.53	5.22	5.97	6.53	6.90
Closing Balance	15.21	21.10	22.01	22.07	17.54
Average Net Loan	16.01	18.16	21.56	22.04	16.86
Rate of Interest	12.25%	12.25%	12.25%	12.25%	12.25%
Interest on Loan	1.96	2.22	2.64	2.70	2.43

### 3.1.4. Return on Equity

The tariff petition for last control period for Obra Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Obra, Khara, UGC, Belka, Babai and Sheelaa HPS for 2019-2024 tariff period. The summary of the approved Return on Equity for FY 2019-20 to FY 2023-24 is as follows:

Table: Return on Equity Approved by Hon'ble Commission in last control

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Return on Equity	3.48	3.49	3.45	3.48	3.48

A summary of the equity balances, additions along with return on equity claimed is summarized in Table below:

Table: Return on Equity for Obra HPS for the Control Period (FY 2024-25 to FY 2028-29)

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Average Equity Base	23.93	26.96	30.81	33.70	35.62
Return on Equity @15%	3.59	4.04	4.62	5.05	5.34

### 3.1.5. Operating & Maintenance Expenses

The tariff petition for last control period for Obra Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order

  
 (Anil Kumar)  
 जून अफिसर (तारिफ एवं वित्त)

15.03.2023

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Obra, Khara, LGC, Belka, Babal and Sheetaa HPS for 2019-2024 tariff period. The summary of the allowed O&M expenses for FY 2019-20 to FY 2023-24 is as follows:

**Table: O&M expenses Approved by Hon'ble Commission in last control period for Obra HPP**

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
O&M Expenses	16.34	17.07	17.83	18.63	19.46

Based on the commission approved escalation rate of 4.47% as per UPERC (Terms and Condition of Generation Tariff), Regulation 2016, the O&M expenses projected for Obra power station for the control period is as per table below:

**Table: Projected O&M expense for the Control Period**

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O&M Expenses	20.33	21.24	22.19	23.18	24.22

**3.1.6. Interest on Working Capital**

The tariff petition for last control period for Obra Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Obra, Khara, LGC, Belka, Babal and Sheetaa HPS for 2019-2024 tariff period, the summary of the allowed interest on Working Capital for FY 2019-20 to FY 2023-24 is as follows:

**Table: Interest on Working Capital Approved by Hon'ble Commission in last control period**

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on working Capital	0.31	0.53	0.56	0.58	1.01

The computation of interest on working capital for the control period for kind consideration and approval of the Hon'ble Commission are as per table below:

  
(शुद्धी विभाग)  
जुन अधिका (विद्युत एवं जल)

MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

Table: Projected Interest on Working Capital for the Control Period

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O & M Expenses	1.69	1.77	1.85	1.93	2.02
Maintenance Spares	3.05	3.19	3.33	3.48	3.63
Receivables	3.89	4.18	4.52	4.75	4.95
<b>Total Working Capital</b>	<b>8.63</b>	<b>9.13</b>	<b>9.69</b>	<b>10.17</b>	<b>10.61</b>
Rate of Interest	12.15%	12.50%	12.50%	12.50%	12.50%
<b>Interest on Working Capital</b>	<b>1.05</b>	<b>1.14</b>	<b>1.21</b>	<b>1.27</b>	<b>1.33</b>

3.1.7. Summary of Fixed Charges claimed by Petitioner

The Petitioner has submitted the details of the Annual Capacity (Fixed) Charges computations for Odra for the Financial Years 2024-25 to 2028-29 for approval by the Hon'ble Commission.

Table: Summary of Fixed charges claimed by Petitioner for the control period FY 2024-25 to FY 2028-29

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Depreciation	4.63	5.22	5.97	6.53	6.90
Interest on Loan	1.96	2.22	2.64	2.70	2.43
Return on Equity	3.59	4.04	4.62	5.05	5.34
Interest on Working Capital	1.05	1.14	1.21	1.27	1.33
O&M	20.33	21.24	22.19	23.15	24.22
<b>Total</b>	<b>31.56</b>	<b>33.85</b>	<b>36.63</b>	<b>38.73</b>	<b>40.21</b>

*(Signature)*  
 (Name)  
 उदा अविभा (वर्ग 10 अंग्रेजी)

### 3.1.8. Calculation of Tariff

The Petitioner has calculated the capacity charges for every month of the control period using parameters prescribed in Para 26 of the LTRPC (Terms and Conditions of Generation Tariff) Regulations, 2024. The same is summarized as table below:

Table: Calculation of per month Capacity Charge- Odra HPS - FY 2024-25 to FY 2028-26

(AFC and Capacity Charge in INR Cr, PAFM and NAFAP in %)

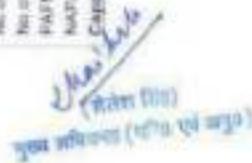
Particulars	Year 2024-25											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	31.56	31.56	31.56	31.56	31.56	31.56	31.56	31.56	31.56	31.56	31.56	31.56
No of Days in month	30	31	30	31	31	30	31	30	31	31	28	31
No of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAFAP	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.21	1.34

Particulars	Year 2025-26											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	33.86	33.86	33.86	33.86	33.86	33.86	33.86	33.86	33.86	33.86	33.86	33.86
No of Days in month	30	31	30	31	31	30	31	30	31	31	28	31
No of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAFAP	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	1.38	1.44	1.38	1.44	1.44	1.39	1.44	1.39	1.44	1.44	1.30	1.44

Particulars	Year 2026-27											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	36.63	36.63	36.63	36.63	36.63	36.63	36.63	36.63	36.63	36.63	36.63	36.63
No of Days in month	30	31	30	31	31	30	31	30	31	31	28	31
No of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAFAP	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	1.51	1.56	1.51	1.68	1.68	1.51	1.68	1.51	1.68	1.68	1.40	1.68


  
 (Date: 15/08/2024)

MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

Particulars	Year 2027-28											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	38.73	38.73	38.73	38.73	38.73	38.73	38.73	38.73	38.73	38.73	38.73	38.73
No of Days in month	30	31	30	31	31	30	31	30	31	31	29	31
No of Days in year	366	366	366	366	366	366	366	366	366	366	366	366
PFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAPAF	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	1.59	1.54	1.59	1.64	1.59	1.59	1.64	1.59	1.64	1.54	1.53	1.64

Particulars	Year 2028-29											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	40.21	40.21	40.21	40.21	40.21	40.21	40.21	40.21	40.21	40.21	40.21	40.21
No of Days in month	30	31	30	31	31	30	31	30	31	31	28	31
No of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAPAF	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	1.65	1.71	1.65	1.71	1.71	1.65	1.71	1.65	1.71	1.71	1.54	1.71

The Petitioner has calculated the energy charges for every month of the control period using parameters prescribed in Para 29 (B) of the LFRHC (Terms and Conditions of Generation Tariff) Regulations, 2024. The same is summarized as tables below.

Table - Calculation Energy Charge- Odra HPS - FY 2024-25 to FY 2028-29

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
Annual Fixed Charge	INR Cr	31.66	33.66	36.63	38.73	40.21
DE	MWh	278	278	279	279	279
AUX	%	1%	1%	1%	1%	1%
FEEDB	%	0.00%	0.00%	0.00%	0.00%	0.00%
Energy Charge Rate	INR/kWh	6.871	6.613	6.663	6.761	6.728

*Chai kula*  
 (White flag)  
 15th March 2024

MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

Table: Calculation of per month Energy Charge- Odra HPS - FY 2024-25 to FY 2028-29

Particulars	Unit	Year 2024-25												
		Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Energy Charge rate	INR/kWh	0.571	0.571	0.571	0.571	0.571	0.571	0.571	0.571	0.571	0.571	0.571	0.571	0.571
Scheduled Energy	MUs	22.68	23.44	22.68	23.44	23.44	22.68	23.44	22.68	23.44	23.44	21.17	23.44	23.44
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	INR Cr	1.30	1.34	1.30	1.34	1.34	1.30	1.34	1.30	1.34	1.34	1.31	1.34	1.34
Particulars	Unit	Year 2025-26												
Energy Charge rate	INR/kWh	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.613
Scheduled Energy	MUs	22.68	23.44	22.68	23.44	23.44	22.68	23.44	22.68	23.44	23.44	21.17	23.44	23.44
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	INR Cr	1.38	1.44	1.38	1.44	1.44	1.38	1.44	1.38	1.44	1.44	1.30	1.44	1.44
Particulars	Unit	Year 2026-27												
Energy Charge rate	INR/kWh	0.663	0.663	0.663	0.663	0.663	0.663	0.663	0.663	0.663	0.663	0.663	0.663	0.663
Scheduled Energy	MUs	22.68	23.44	22.68	23.44	23.44	22.68	23.44	22.68	23.44	23.44	21.17	23.44	23.44
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	INR Cr	1.50	1.55	1.50	1.55	1.55	1.50	1.55	1.50	1.55	1.55	1.40	1.55	1.55
Particulars	Unit	Year 2027-28												
Energy Charge rate	INR/kWh	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701
Scheduled Energy	MUs	22.68	23.38	22.62	23.38	23.38	22.62	23.38	22.62	23.38	23.38	21.87	23.38	23.38
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	INR Cr	1.53	1.64	1.50	1.64	1.64	1.59	1.64	1.59	1.64	1.64	1.53	1.64	1.64
Particulars	Unit	Year 2028-29												
Energy Charge rate	INR/kWh	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728
Scheduled Energy	MUs	22.68	23.44	22.68	23.44	23.44	22.68	23.44	22.68	23.44	23.44	21.17	23.44	23.44
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	INR Cr	1.63	1.71	1.65	1.71	1.71	1.68	1.71	1.68	1.71	1.71	1.54	1.71	1.71

*(Handwritten Signature)*  
 (Name)  
 Director (P/S) (Date)

## 3.2. Khara Hydro Power Plant

### 3.2.1. Gross Fixed Assets/ Capital Cost

The following table provides the snapshot of the year-wise breakup of addition capitalization along with the Gross Fixed Assets balances for each year of the MYT control period.

Table: Fixed Assets Summary- Khara HPS - FY 2024-25 to FY 2028-29

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening GFA	245.27	250.88	262.52	266.84	273.04
Capitalization during the year	5.61	11.64	3.33	7.20	0.00
Closing GFA	250.88	262.52	266.84	273.04	273.04

### 3.2.2. Depreciation

The tariff petition for last control period for Khara Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued under in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition file. 2020 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Obra, Khara, UGC, Beika, Babai and Sheelaa HPS for 2019-2024 tariff period.

Table: Depreciation Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24

(All figures in INR Cr)

	Approved by Commission				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Depreciation	14.00	14.00	14.00	14.00	14.00

The details of proposed additional capitalization for the MYT period has been provided in the table below.

Table: Proposed Additional Capitalization for the MYT Control Period for Khara HPS

(All figures in INR Cr)

Proposed Add-Cap	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Proposed Add-Cap	5.61	11.64	3.33	7.20	0.00

*Chauhan*  
(18/5/2024)  
The Chairman (18/5/2024)

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

The depreciation for the purpose of determination of tariff has been calculated on the opening GFA values for each financial year. The depreciation on the capital additions has been provided starting from the year succeeding the year of capitalization at the rates specified in the Appendix 3 (A) of UPERC (Terms and Conditions of Generation Tariff) Regulations 2024.

The rates of depreciation prescribed by the Hon'ble Commission in Appendix 3 (A) of the aforesaid Tariff Regulations prescribe different depreciation rates for different assets, in such circumstances it would only be fit to consider station wise depreciation calculated at the weighted average rate.

The depreciation on capital additions worked out has been included in depreciation amount claimed for the financial year succeeding the year of capitalization, being in line with the methodology followed by the Hon'ble Commission.

The summary of depreciation calculation for the period of FY 2024-25 to FY 2028-29 is as follows:

**Table: Depreciation Summary- Khara HPS - FY 2024-25 to FY 2028-29**

*(All figures in INR Cr)*

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Accrual Depreciation	220.74	221.10	222.76	225.76	229.94
Depreciation during the year	0.36	1.65	3.00	4.10	5.27
Closing Accrual Depreciation	221.10	222.76	225.76	229.94	235.21

**2.2.3. Interest on Loan Capital**

The tariff petition for last control period for Khara Hydro power plant has been approved by the commission vide order dated 18.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and compendium dated 03.06.2024 for determination of tariff for Odra, Khara, UGC, Belka, Babal and Sheeltaa HPS for 2019-2024 tariff period.

**Table: Interest on Loan Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24**

*(All figures in INR Cr)*

	Approved by Commission				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on Loan	1.09	0.12	0.00	0.00	0.00

A summary of the loan balances, draws and repayments along with interest cost is summarized in Table below:

  
 Shashi Singh  
 (Member) (R&D)  
 UPERC (103 & 104/2024)

Table: Summary of Interest on Loan for the Control Period for Khara HPS

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance	9.00	9.56	10.06	9.38	10.24
Additions	3.93	8.15	2.33	5.04	0.00
Repayments	6.36	1.65	3.00	4.16	6.27
Closing Balance	3.56	10.06	9.38	10.24	4.97
Average Net Loan	1.78	6.81	9.72	9.81	7.60
Rate of Interest	12.25%	12.25%	12.25%	12.25%	12.25%
Interest on Loan	8.22	8.83	1.19	1.20	0.93

### 3.2.4. Return on Equity

The tariff petition for last control period for Khara Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2000 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Obra, Khara, UGC, Beika, Babai and Sheela HPS for 2019-2024 tariff period. The summary of the approved Return on Equity for FY 2019-20 to FY 2023-24 is as follows:

Table: Return on Equity Approved by Hon'ble Commission in last control

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Return on Equity	11.04	11.04	11.04	11.04	11.04

A summary of the equity balances, additions along with return on equity earned is summarized in Table below:

Table: Return on Equity for Khara HPS for the Control Period (FY 2024-25 to FY 2028-29)

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Average Equity Base	74.42	77.01	79.25	80.83	81.91
Return on Equity @15%	11.16	11.55	11.89	12.12	12.29

### 3.2.5. Operating & Maintenance Expenses

The tariff petition for last control period for Khara Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order

*(Signature)*  
 (Name)  
 Jt. Manager (M&O, Khara HPS)

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Odra, Khara, UGC, Belka, Babai and Sheetal HPS for 2019-2024 tariff period. The summary of the allowed O&M expenses for FY 2019-20 to FY 2023-24 is as follows:

**Table: O&M expenses Approved by Hon'ble Commission in last control period for Khara HPP**

*(All figures in INR Cr)*

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
O&M Expenses	10.82	11.31	11.81	12.34	12.89

Based on the commission approved escalation rate of 4.47% as per UPERC (Terms and Condition of Generation Tariff), Regulation 2019, the O&M expenses projected for Khara power station for the control period is as per table below:

**Table: Projected O&M expense for the Control Period**

*(Figures in INR Cr)*

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O&M Expenses	13.47	14.07	14.70	15.33	16.04

### 3.2.6. Interest on Working Capital

The tariff petition for last control period for Khara Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Odra, Khara, UGC, Belka, Babai and Sheetal HPS for 2019-2024 tariff period. The summary of the allowed interest on Working Capital for FY 2019-20 to FY 2023-24 is as follows:

**Table: Interest on Working Capital Approved by Hon'ble Commission in last control period.**

*(All figures in INR Cr)*

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on working Capital	0.87	0.88	0.90	0.92	0.95

The computation of interest on working capital for the control period for kind consideration and approval of the Hon'ble Commission are as per table below:

*(Handwritten signature)*  
24/05/2024  
24/05/2024

Table: Projected Interest on Working Capital for the Control Period

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O & M Expenses	1.12	1.17	1.22	1.28	1.34
Maintenance Spares	2.02	2.11	2.20	2.30	2.41
Receivables	3.20	3.57	3.91	4.16	4.38
<b>Total Working Capital</b>	<b>6.35</b>	<b>6.85</b>	<b>7.34</b>	<b>7.74</b>	<b>8.12</b>
Rate of Interest	12.15%	12.50%	12.50%	12.50%	12.50%
<b>Interest on Working Capital</b>	<b>0.77</b>	<b>0.86</b>	<b>0.92</b>	<b>0.97</b>	<b>1.02</b>

### 3.2.7. Summary of Fixed Charges claimed by Petitioner

The Petitioner has submitted the details of the Annual Capacity (Fixed) Charges computations for Khara for the Financial Years 2024-25 to 2028-29 for approval by the Hon'ble Commission.

Table: Summary of Fixed charges claimed by Petitioner for the control period FY 2024-25 to FY 2028-29

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Depreciation	0.36	1.65	3.00	4.19	5.27
Interest on Loan	0.22	0.83	1.16	1.20	0.93
Return on Equity	11.16	11.55	11.89	12.12	12.29
Interest on Working Capital	0.77	0.86	0.92	0.97	1.02
G&M	13.47	14.07	14.73	15.35	16.04
<b>Total</b>	<b>25.98</b>	<b>28.96</b>	<b>31.69</b>	<b>33.83</b>	<b>35.54</b>

The UPRVUNL had make available to the Himanchal Pradesh 20% of the power based on the energy available at Khara at Ex-bus. Accordingly, the allocation of fixed charges between Uttar Pradesh and Himanchal Pradesh is shown in table below.

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Total Fixed Charge	25.98	28.96	31.69	33.83	35.54
Uttar Pradesh Share (80%)	20.78	23.17	25.35	27.07	28.43
Himanchal Pradesh Share (20%)	5.20	5.79	6.34	6.77	7.11

*Uttar Pradesh*  
 (11/11/2024)  
 (11/11/2024)

### 3.2.8. Calculation of Tariff

The Regulator has calculated the capacity charges for every month of the control period using parameters prescribed in Para 25 of the UPERC (Terms and Conditions of Generation Tariff) Regulations, 2024. The same is summarised as table below

**Table: Calculation of per month Capacity Charge- Khars HPS - FY 2024-25 to FY 2026-28**

(AFC and Capacity Charge in INR Cr, PAI/M and NA/PAF in %)

Particulars	Year 2024-25											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	25.98	25.98	25.98	25.98	25.98	25.98	25.98	25.98	25.98	25.98	25.98	25.98
No of Days in month	30	31	30	31	31	30	31	30	31	31	28	31
No of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAI/M	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NA/PAF	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	1.07	1.10	1.07	1.10	1.16	1.07	1.10	1.07	1.10	1.10	1.00	1.10

Particulars	Year 2025-26											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	28.98	28.98	28.98	28.98	28.98	28.98	28.98	28.98	28.98	28.98	28.98	28.98
No of Days in month	30	31	30	31	31	30	31	30	31	31	28	31
No of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAI/M	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NA/PAF	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	1.18	1.23	1.19	1.23	1.23	1.19	1.23	1.19	1.23	1.23	1.11	1.23

Particulars	Year 2026-27											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	31.69	31.69	31.69	31.69	31.69	31.69	31.69	31.69	31.69	31.69	31.69	31.69
No of Days in month	30	31	30	31	31	30	31	30	31	31	28	31
No of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAI/M	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NA/PAF	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	1.30	1.35	1.30	1.35	1.35	1.30	1.35	1.30	1.35	1.35	1.22	1.35

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Particulars	Year 2022-23											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	33.83	33.83	33.83	33.83	33.83	33.83	33.83	33.83	33.83	33.83	33.83	33.83
No of Days in month	30	31	30	31	30	31	30	31	30	31	29	31
No of Days in year	365	366	366	366	366	366	366	366	366	365	365	366
PFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAPM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	1.43	1.43	1.39	1.43	1.39	1.43	1.39	1.43	1.39	1.43	1.34	1.43

Particulars	Year 2026-29											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	35.54	35.54	35.54	35.54	35.54	35.54	35.54	35.54	35.54	35.54	35.54	35.54
No of Days in month	30	31	30	31	30	31	30	31	30	31	28	31
No of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAPM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	1.46	1.51	1.46	1.51	1.46	1.51	1.46	1.51	1.46	1.51	1.36	1.51

The Petitioner has calculated the energy charges for every month of the control period using parameters prescribed in Para 29 (9) of the LPE-NC (Terms and Conditions of Generation Tariff) Regulations, 2024. The same is summarized as tables below.

Table: Calculation Energy Charge- Khars HPS - FY 2024-25 to FY 2028-28

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
Annual Fixed Charge	INR Cr	25.56	28.96	31.09	33.83	35.54
DE	MWh	365	365	365	365	365
AUX	%	1%	1%	1%	1%	1%
FEHD	%	0.00%	0.00%	0.00%	0.00%	0.00%
Energy Charge Rate	Rs/KWh	6.341	6.380	6.416	6.444	6.466

*Chaitin*  
 (Kha) (S)  
 300 2024 (2024-25)



### 3.3. Rihand Hydro Power System

#### 3.3.1. Gross Fixed Assets/ Capital Cost

The following table provides the snapshot of the year-wise breakup of addition capitalization along with the Gross Fixed Assets balances for each year of the MYT control period.

Table: Fixed Assets Summary- Rihand HPS - FY 2024-25 to FY 2028-29

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening GFA	196.15	190.39	196.57	206.79	206.41
Capitalization during the year	0.24	6.18	4.22	8.61	4.07
Closing GFA	196.39	196.57	206.79	206.41	211.48

#### 3.3.2. Depreciation

The tariff petition for last control period for Rihand Hydro power plant has been approved by the commission vide order dated 28.04.2024 issued the order in Petition 2674 of 2024 for determination of tariff for Rihand and Matalia HPS for 2019-2024 tariff period. The summary of approved depreciation is as follows.

Table: Depreciation Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24

(All figures in INR Cr)

	Approved by Commission				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Depreciation	5.58	5.58	5.58	5.58	5.58

The details of proposed additional capitalization for the MYT period has been provided in the table below.

Table: Proposed Additional Capitalization for the MYT Control Period for Rihand HPS

(All figures in INR Cr)

Proposed Add-Cap	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Proposed Add-Cap	0.24	6.18	4.22	8.61	4.07

*Shri. K. S.*  
34 / 11/11/2024  
34 / 11/11/2024

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

The depreciation for the purpose of determination of tariff has been calculated on the opening GFA values for each financial year. The depreciation on the capital additions has been provided starting from the year succeeding the year of capitalization at the rates specified in the Appendix 3 (A) of UPERC (Terms and Conditions of Generation Tariff) Regulations 2024.

The rates of depreciation prescribed by the Hon'ble Commission in Appendix 3 (A) of the aforesaid Tariff Regulations prescribe different depreciation rates for different assets. In such circumstances it would only be fit to consider station wise depreciation calculated at the weighted average rate.

The depreciation on capital additions worked out has been included in depreciation amount claimed for the financial year succeeding the year of capitalization, being in line with the methodology followed by the Hon'ble Commission.

The summary of depreciation calculation for the period of FY 2024-25 to FY 2028-29 is as follows.

**Table: Depreciation Summary- Rihand HPS - FY 2024-25 to FY 2028-29**

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Accrual Depreciation	94.22	105.72	116.42	127.91	138.78
Depreciation during the year	11.00	11.19	11.50	11.87	12.24
Closing Accrual Depreciation	105.22	116.42	127.91	138.78	152.02

**3.3.3 Interest on Loan Capital**

The tariff petition for last control period for Rihand hydro power plant has been approved by the commission vide order dated 26.04.2024 issued the order in Petition 2074 of 2024 for determination of tariff for Rihand and Mahalia HPS for 2019-2024 tariff period. The summary of approved interest on loan is as follows:

**Table: Interest on Loan Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24**

(All figures in INR Cr)

Approved by Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on Loan	7.27	6.58	5.90	5.21	4.63

A summary of the loan balances, draws and repayments along with interest cost is summarized in Table below:

Table: Summary of Interest on Loan for the Control Period for Rihand HPS

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance	34.20	23.26	16.50	7.96	2.12
Additions	0.17	4.33	2.96	6.03	2.85
Repayments	11.00	11.19	11.50	11.87	4.97
Closing Balance	23.36	16.50	7.96	2.12	0.00
Average Net Loan	26.78	19.93	12.23	5.04	1.06
Rate of Interest	12.25%	12.25%	12.25%	12.25%	12.25%
Interest on Loan	3.53	2.44	1.50	0.62	0.13

### 3.3.4. Return on Equity

The tariff petition for last control period for Rihand Hydro power plant has been approved by the commission vide order dated 28.04.2024 issued the order in Petition 2074 of 2024 for determination of tariff for Rihand and Matalla HPS for 2019-2024, the summary is as follows.

Table: Return on Equity Approved by Hon'ble Commission in last control

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Return on Equity	8.56	8.56	8.56	8.56	8.56

A summary of the equity balances, additions along with return on equity started is summarized in Table below.

Table: Return on Equity for Rihand HPS for the Control Period (FY 2024-25 to FY 2028-29)

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Average Equity Base	57.10	58.08	59.02	61.55	63.45
Return on Equity @10%	5.96	6.71	6.94	5.23	5.52

### 3.3.5. Operating & Maintenance Expenses

The tariff petition for last control period for Rihand Hydro power plant has been approved by the commission vide order dated 28.04.2024 issued the order in Petition 2074 of 2024 for determination of tariff for Rihand and Matalla HPS for 2019-2024 tariff period. The summary of the allowed O&M expenses for FY 2019-20 to FY 2023-24 is as follows

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Table: O&M expenses Approved by Hon'ble Commission in last control period for Rihand HPP

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
O&M Expenses	33.56	35.05	36.61	38.24	39.94

Based on the commission approved escalation rate of 4.47% as per UPERC (Terms and Condition of Generation Tariff), Regulation 2019, the O&M expenses projected for Rihand power station for the control period is as per table below.

Table: Projected O&M expense for the Control Period

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O&M Expenses	41.73	43.59	45.54	47.57	49.70

### 3.3.6. Interest on Working Capital

The tariff petition for last control period for Rihand Hydro power plant has been approved by the commission vide order dated 28.04.2024 issued the order in Petition 2074 of 2024 for determination of tariff for Rihand and Matatila HPS for 2019-2024 tariff period. In this regard, the summary of the allowed interest on Working Capital for FY 2019-20 to FY 2023-24 is as follows:

Table: Interest on Working Capital Approved by Hon'ble Commission in last control period

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on working Capital	1.78	1.83	1.87	1.95	2.02

The computation of interest on working capital for the control period for kind consideration and approval of the Hon'ble Commission are as per table below.

*Chaitanya*  
 (Date: 10/05/2024)  
 JPM Director (Ops & Mgt)

Table: Projected Interest on Working Capital for the Control Period

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
D & M Expenses	3.48	3.53	3.79	3.95	4.14
Maintenance Spares	6.26	6.54	6.83	7.14	7.46
Receivables	8.26	8.42	8.62	8.83	9.15
<b>Total Working Capital</b>	<b>18.00</b>	<b>18.59</b>	<b>19.24</b>	<b>19.93</b>	<b>20.74</b>
Rate of Interest	12.15%	12.50%	12.50%	12.50%	12.50%
<b>Interest on Working Capital</b>	<b>2.19</b>	<b>2.32</b>	<b>2.41</b>	<b>2.49</b>	<b>2.59</b>

1.17. Summary of Fixed Charges claimed by Petitioner

The Petitioner has submitted the details of the Annual Capacity (Fixed) Charges computations for Rinar for the Financial Years 2024-25 to 2028-29 for approval by the Hon'ble Commission.

Table: Summary of Fixed charges claimed by Petitioner for the control period FY 2024-25 to FY 2028-29

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Depreciation	11.00	11.19	11.50	11.87	12.24
Interest on Loan	3.53	2.44	1.50	0.82	0.13
Return on Equity	8.56	8.71	8.94	9.23	9.52
Interest on Working Capital	2.19	2.32	2.41	2.49	2.59
D&M	41.73	43.59	45.54	47.57	49.70
<b>Total</b>	<b>67.01</b>	<b>68.26</b>	<b>69.88</b>	<b>71.78</b>	<b>74.18</b>

*Chao Singh*  
 (Name Sign)  
 2024/08/29 (2024-29 Page)

### 3.3.8. Calculation of Tariff

The Regulator has calculated the capacity charges for every month of the control period using parameters prescribed in Form 25 of the LPPSC (Terms and Conditions of Generation Tariff) Regulations, 2024. The same is summarized as table below:

**Table: Calculation of per month Capacity Charge- Bihand HPS - FY 2024-25 to FY 2028-29**

(APC and Capacity Charge in Rs/Cr, PAFM and NAFAP in %)

Particulars	Year 2024-25											
	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	67.01	67.01	67.01	67.01	67.01	67.01	67.01	67.01	67.01	67.01	67.01	67.01
No. of Days in month	30	31	30	31	30	31	30	31	30	31	28	31
No. of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAFAP	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	2.78	2.83	2.75	2.85	2.85	2.75	2.85	2.75	2.85	2.85	2.67	2.85

Particulars	Year 2025-26											
	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	69.26	69.26	69.26	69.26	69.26	69.26	69.26	69.26	69.26	69.26	69.26	69.26
No. of Days in month	30	31	30	31	30	31	30	31	30	31	28	31
No. of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAFAP	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	2.81	2.90	2.81	2.90	2.90	2.81	2.90	2.81	2.90	2.90	2.62	2.90

Particulars	Year 2026-27											
	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	69.88	69.88	69.88	69.88	69.88	69.88	69.88	69.88	69.88	69.88	69.88	69.88
No. of Days in month	30	31	30	31	30	31	30	31	30	31	28	31
No. of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAFAP	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	2.87	2.97	2.87	2.97	2.97	2.87	2.97	2.87	2.97	2.97	2.68	2.97

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Particulars	Year 2023-25											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	74.18	71.78	71.78	71.78	71.78	71.78	71.78	71.78	71.78	71.78	71.78	71.78
No. of Days in month	30	31	30	31	30	31	31	30	31	31	29	31
No. of Days in year	365	366	366	366	366	366	366	365	366	366	366	366
PAF%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAPAF	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	3.04	3.04	2.94	3.04	2.94	3.04	3.04	2.94	3.04	3.04	2.84	3.04

Particulars	Year 2028-29											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	74.18	74.18	74.18	74.18	74.18	74.18	74.18	74.18	74.18	74.18	74.18	74.18
No. of Days in month	30	31	30	31	30	31	31	30	31	31	28	31
No. of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAF%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAPAF	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	3.05	3.15	3.05	3.15	3.15	3.05	3.15	3.05	3.15	3.15	2.85	3.15

The Petitioner has calculated the energy charges for every month of the control period using parameters prescribed in Para 26 (b) of the UPERC (Terms and Conditions of Generation Tariff) Regulations, 2024. The same is summarized as tables below.

Table: Calculation Energy Charge- Rihand HPS - FY 2024-25 to FY 2028-28

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
Annual Fixed Charge	INR Cr	67.01	68.26	68.88	71.78	74.18
DE	MWh	920	920	920	920	900
AUX	%	1%	1%	1%	1%	1%
FEHB	%	0.00%	0.00%	0.00%	0.00%	0.00%
Energy Charge Rate	INR/kWh	6.368	0.375	0.364	0.394	0.407

*Chauhan*

(Matter No. 100/2024)

MYI Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

Table: Calculation of per month Energy Charge- Rihand HPS - FY 2024-25 to FY 2028-29

Particulars	Unit	Year 2024-25												
		Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Energy Charge rate	IN/Unit	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368
Scheduled Energy	Mus	74.71	77.20	74.71	77.20	77.20	74.71	77.20	74.71	77.20	77.20	69.73	77.20	77.20
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	INR Cr	2.75	2.84	2.75	2.84	2.84	2.75	2.84	2.75	2.84	2.84	2.57	2.84	2.84
Particulars	Unit	Year 2025-26												
Energy Charge rate	IN/Unit	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375
Scheduled Energy	Mus	74.71	77.20	74.71	77.20	77.20	74.71	77.20	74.71	77.20	77.20	69.73	77.20	77.20
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	INR Cr	2.83	2.89	2.80	2.89	2.89	2.80	2.89	2.80	2.89	2.89	2.61	2.89	2.89
Particulars	Unit	Year 2026-27												
Energy Charge rate	IN/Unit	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384
Scheduled Energy	Mus	74.71	77.20	74.71	77.20	77.20	74.71	77.20	74.71	77.20	77.20	69.73	77.20	77.20
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	INR Cr	2.87	2.96	2.87	2.96	2.96	2.87	2.96	2.87	2.96	2.96	2.68	2.96	2.96
Particulars	Unit	Year 2027-28												
Energy Charge rate	IN/Unit	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384
Scheduled Energy	Mus	74.51	76.99	74.51	76.99	76.99	74.51	76.99	74.51	76.99	76.99	69.59	76.99	76.99
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	INR Cr	2.94	3.03	2.94	3.03	3.03	2.94	3.03	2.94	3.03	3.03	2.84	3.03	3.03
Particulars	Unit	Year 2028-29												
Energy Charge rate	IN/Unit	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.407
Scheduled Energy	Mus	74.71	77.20	74.71	77.20	77.20	74.71	77.20	74.71	77.20	77.20	72.22	77.20	77.20
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	INR Cr	3.04	3.14	3.04	3.14	3.14	3.04	3.14	3.04	3.14	3.14	2.94	3.14	3.14

*Charan Singh*  
 (Partner) (Sgt)  
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### 3.4. Matatila Hydro Power System

#### 3.4.1. Gross Fixed Assets/ Capital Cost

The following table provides the snapshot of the year-wise breakup of addition capitalization along with the Gross Fixed Assets balances for each year of the MYT control period.

Table: Fixed Assets Summary- Matatila HPS - FY 2024-25 to FY 2028-29

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening GFA	31.09	33.76	36.77	39.84	31.56
Capitalization during the year	2.67	3.01	3.07	1.72	3.85
Closing GFA	33.76	36.77	39.84	31.56	35.41

#### 3.4.2. Depreciation

The tariff petition for last control period for Matatila Hydro power plant has been approved by the commission vide order dated 28.04.2024 issued the order in Petition 2074 of 2024 for determination of tariff for Rihand and Matatila HPS for 2019-2024 tariff period. The summary of approved depreciation is as follows.

Table: Depreciation Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24

(All figures in INR Cr)

	Approved by Commission				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Depreciation	0.77	0.77	0.77	0.77	0.77

The details of proposed additional capitalization for the MYT period has been provided in the table below.

Table: Proposed Additional Capitalization for the MYT Control Period for Matatila HPS

(All figures in INR Cr)

Proposed Add-Cap	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Proposed Add-Cap	2.67	3.01	3.07	1.72	3.85

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

The depreciation for the purpose of determination of tariff has been calculated on the opening GFA values for each financial year. The depreciation on the capital additions has been provided starting from the year succeeding the year of capitalization at the rates specified in the Appendix 3 (A) of UPERC (Terms and Conditions of Generation Tariff) Regulations 2024.

The rates of depreciation prescribed by the Hon'ble Commission in Appendix 3 (A) of the aforesaid Tariff Regulations prescribe different depreciation rates for different assets. In such circumstances it would only be fit to consider station wise depreciation calculated at the weighted average rate.

The depreciation on capital additions worked out has been included in depreciation amount claimed for the financial year succeeding the year of capitalization, being in line with the methodology followed by the Hon'ble Commission.

The summary of depreciation calculation for the period of FY 2024-25 to FY 2028-29 is as follows:

**Table: Depreciation Summary- Matatila HPS - FY 2024-25 to FY 2028-29**

*(All figures in INR Cr)*

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Accrual Depreciation	5.78	6.98	8.35	9.90	11.59
Depreciation during the year	1.20	1.37	1.55	1.69	1.85
Closing Accrual Depreciation	6.98	8.35	9.90	11.59	13.44

**3.4.3. Interest on Loan Capital**

The tariff petition for last control period for Matatila Hydro power plant has been approved by the commission vide order dated 28/04/2024 issued the order in Petition 2074 of 2024 for determination of tariff for Ritand and Matatila HPS for 2019-2024 tariff period. The summary of approved Interest on loan is as follows:

**Table: Interest on Loan Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24**

*(All figures in INR Cr)*

	Approved by Commission				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on Loan	0.34	0.24	0.15	0.05	0.00

A summary of the loan balances, draws and repayments along with interest cost is summarized in Table below:

Table: Summary of interest on Loan for the Control Period for Matatila HPS

*(All figures in INR Cr)*

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance	0.00	0.67	1.40	2.00	1.52
Additions	1.87	2.11	2.15	1.21	2.68
Repayments	1.20	1.37	1.55	1.69	0.94
Closing Balance	0.67	1.40	2.00	1.52	3.28
Average Net Loan	0.33	1.03	1.70	1.76	2.40
Rate of Interest	12.25%	12.25%	12.25%	12.25%	12.25%
Interest on Loan	0.04	0.13	0.21	0.22	0.29

#### 3.4.4. Return on Equity

The tariff petition for last control period for Matatila Hydro power plant has been approved by the commission vide order dated 28.04.2024 issued the order in Petition 2074 of 2024 for determination of tariff for Rihand and Matatila HPS for 2019-2024. the summary is as follows:

Table: Return on Equity Approved by Hon'ble Commission in last control

*(All figures in INR Cr)*

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Return on Equity	0.95	0.95	0.95	0.95	0.95

A summary of the equity balances, additions along with return on equity claimed is summarized in Table below:

Table: Return on Equity for Matatila HPS for the Control Period (FY 2024-25 to FY 2028-29)

*(All figures in INR Cr)*

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Average Equity Base	6.73	7.58	8.49	9.21	10.05
Return on Equity @10%	1.01	1.14	1.27	1.38	1.51

#### 3.4.5. Operating & Maintenance Expenses

The tariff petition for last control period for Matatila Hydro power plant has been approved by the commission vide order dated 28.04.2024 issued the order in Petition 2074 of 2024 for determination of tariff for Rihand and Matatila HPS for 2019-2024 tariff period. The summary of the allowed O&M expenses for FY 2019-20 to FY 2023-24 is as follows:

*Handwritten signature*  
 (Name) (No)  
 (Date) (Time)

Table: O&amp;M expenses Approved by Hon'ble Commission in last control period for Matatila HPP

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
O&M Expenses	7.45	7.78	8.13	8.49	8.87

Based on the commission approved escalation rate of 4.47% as per UPERC (Terms and Condition of Generation Tariff, Regulation 2016), the O&M expenses projected for Rihand power station for the control period is as per table below:

Table: Projected O&amp;M expense for the Control Period

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O&M Expenses	9.28	9.72	10.17	10.65	11.14

#### 1.4.E: Interest on Working Capital

The tariff petition for last control period for Matatila Hydro power plant has been approved by the commission vide order dated 28.04.2024 issued the order in Petition 2074 of 2024 for determination of tariff for Rihand and Matatila HPS for 2019-2024 tariff period. In this tariff period, the summary of the allowed Interest on Working Capital for FY 2019-20 to FY 2023-24 is as follows:

Table: Interest on Working Capital Approved by Hon'ble Commission in last control period

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on working Capital	0.36	0.37	0.38	0.40	0.41

The computation of interest on working capital for the control period for kind consideration and approval of the Hon'ble Commission are as per table below:

*Usha K.*  
 (Name)  
 28/04/2024 (2024-25 to 2028-29)

Table: Projected Interest on Working Capital for the Control Period

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O & M Expenses	0.77	0.81	0.85	0.89	0.93
Maintenance Spares	1.39	1.46	1.53	1.60	1.67
Receivables	1.46	1.58	1.69	1.78	1.89
<b>Total Working Capital</b>	<b>3.64</b>	<b>3.85</b>	<b>4.06</b>	<b>4.26</b>	<b>4.49</b>
Rate of Interest	12.15%	12.50%	12.50%	12.50%	12.50%
<b>Interest on Working Capital</b>	<b>0.44</b>	<b>0.48</b>	<b>0.51</b>	<b>0.53</b>	<b>0.56</b>

## 3.4.7. Summary of Fixed Charges claimed by Petitioner

The Petitioner has submitted the details of the Annual Capacity (Fixed) Charges computations for Maritaka for the Financial Years 2024-25 to 2028-29 for approval by the Hon'ble Commission.

Table: Summary of Fixed charges claimed by Petitioner for the control period FY 2024-25 to FY 2028-29

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Depreciation	1.20	1.37	1.56	1.69	1.85
Interest on Loan	0.04	0.13	0.21	0.22	0.29
Return on Equity	1.01	1.14	1.27	1.38	1.51
Interest on Working Capital	0.44	0.48	0.51	0.53	0.56
O&M	9.28	9.72	10.17	10.65	11.14
<b>Total</b>	<b>11.98</b>	<b>12.83</b>	<b>13.71</b>	<b>14.46</b>	<b>15.36</b>

*Shankar*  
 (Petitioner)  
 1000, 1000000 (1000, 1000000)

### 3.4.8. Calculation of Tariff

The Petitioner has calculated the capacity charges for every month of the control period using parameters prescribed in Para 25 of the UPERC (Terms and Conditions of Generation Tariff) Regulations, 2014. The same is summarized as table below

**Table: Calculation of per month Capacity Charge- Matasia HPS - FY 2024-25 to FY 2026-25**

(AFC and Capacity Charge in INR/Cr. PAFM and NAFM in %)

Particulars	Year 2024-25											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90
No of Days in month	30	31	30	31	31	30	31	30	31	31	28	31
No of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	0.49	0.51	0.49	0.51	0.51	0.49	0.51	0.48	0.51	0.51	0.48	0.51

Particulars	Year 2025-26											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	12.83	12.83	12.83	12.83	12.83	12.83	12.83	12.83	12.83	12.83	12.83	12.83
No of Days in month	30	31	30	31	31	30	31	30	31	31	28	31
No of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	0.53	0.54	0.53	0.54	0.54	0.53	0.54	0.53	0.54	0.54	0.49	0.54

Particulars	Year 2026-27											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71	13.71
No of Days in month	30	31	30	31	31	30	31	30	31	31	28	31
No of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	0.56	0.58	0.56	0.58	0.58	0.56	0.58	0.56	0.58	0.58	0.53	0.58

*Charit*  
 (Team Sign)  
 20/04/2024 (10:45 AM)

MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

Particulars	Year 2023-24											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	14.46	14.46	14.46	14.46	14.46	14.46	14.46	14.46	14.46	14.46	14.46	14.46
No of Days in month	30	31	30	31	31	30	31	30	31	31	29	31
No of Days in year	365	366	366	366	366	365	366	365	366	366	365	366
PAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAPAF	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	0.63	0.61	0.59	0.61	0.61	0.59	0.61	0.61	0.61	0.61	0.57	0.61

Particulars	Year 2026-28											
	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Annual Fixed Charge	15.36	15.36	15.36	15.36	15.36	15.36	15.36	15.36	15.36	15.36	15.36	15.36
No of Days in month	30	31	30	31	31	30	31	30	31	31	28	31
No of Days in year	365	365	365	365	365	365	365	365	365	365	365	365
PAFM	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
NAPAF	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
Capacity Charge	0.63	0.65	0.63	0.65	0.65	0.63	0.65	0.63	0.65	0.65	0.59	0.65

The Petitioner has calculated the energy charges for every month of the control period using parameters prescribed in Para 29 (f) of the UPERC (Terms and Conditions of Generation Tariff) Regulations, 2024. The same is summarized as tables below.

Table - Calculation Energy Charge- Metable HPS - FY 2024-25 to FY 2028-28

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
Annual Fixed Charge	₹/R Co	11.56	12.83	13.71	14.46	15.36
DE	MW	123	123	123	123	123
AUX	%	1%	1%	1%	1%	1%
FERR	%	0.00%	0.00%	0.00%	0.00%	0.00%
Energy Charge Rate	₹/KWh	0.462	0.527	0.563	0.594	0.631

*Chaitanya*  
 (Team HPS)  
 HPS Petitioner (05.12.2024)

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Table: Calculation of per month Energy Charge- Masatia 1075 - FY 2024-25 to FY 2028-29

Particulars	Unit	Year 2024-25											
		Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Energy Charge rate	Rs/KWh	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492
Scheduled Energy	MUs	9.95	10.28	9.95	10.28	10.28	9.95	10.28	9.95	10.28	10.28	9.95	10.28
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	RsR Cr	0.49	0.51	0.49	0.51	0.51	0.49	0.51	0.49	0.51	0.51	0.49	0.51

Particulars	Unit	Year 2025-26											
		Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Energy Charge rate	Rs/KWh	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527
Scheduled Energy	MUs	9.95	10.28	9.95	10.28	10.28	9.95	10.28	9.95	10.28	10.28	9.95	10.28
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	RsR Cr	0.52	0.54	0.52	0.54	0.54	0.52	0.54	0.52	0.54	0.54	0.52	0.54

Particulars	Unit	Year 2026-27											
		Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Energy Charge rate	Rs/KWh	0.563	0.563	0.563	0.563	0.563	0.563	0.563	0.563	0.563	0.563	0.563	0.563
Scheduled Energy	MUs	9.95	10.28	9.95	10.28	10.28	9.95	10.28	9.95	10.28	10.28	9.95	10.28
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	RsR Cr	0.56	0.58	0.56	0.58	0.58	0.56	0.58	0.56	0.58	0.58	0.56	0.58

Particulars	Unit	Year 2027-28											
		Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Energy Charge rate	Rs/KWh	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594
Scheduled Energy	MUs	9.92	10.25	9.92	10.25	10.25	9.92	10.25	9.92	10.25	10.25	9.92	10.25
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	RsR Cr	0.59	0.61	0.59	0.61	0.61	0.59	0.61	0.59	0.61	0.61	0.59	0.61

Particulars	Unit	Year 2028-29											
		Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Energy Charge rate	Rs/KWh	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631
Scheduled Energy	MUs	9.92	10.28	9.92	10.28	10.28	9.92	10.28	9.92	10.28	10.28	9.92	10.28
FEHS	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Charge	RsR Cr	0.63	0.65	0.63	0.65	0.65	0.63	0.65	0.63	0.65	0.65	0.63	0.65

*Usha Arora*  
 (Member Firm)  
 JVA 2024-25 (1075 to 1079)

### 3.5. Upper Ganga Canal (UGC) Small Hydro Power Project

#### 3.5.1. Gross Fixed Assets/ Capital Cost

The following table provides the snapshot of the year-wise breakup of addition capitalization along with the Gross Fixed Assets balances for each year of the MYT control period:

**Table: Fixed Assets Summary- UGC SHP - FY 2024-25 to FY 2028-29**

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening GFA	3.68	3.68	3.68	3.68	3.68
Capitalization during the year	0.00	0.00	0.00	0.00	0.00
Closing GFA	3.68	3.68	3.68	3.68	3.68

#### 3.5.2. Depreciation

The tariff petition for last control period for UGC Small Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.06.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.09.2024 for determination of tariff for Obra, Khara, UGC, Belka, Babal and Sheetaa HPS for 2019-2024 tariff period. The summary of approved depreciation is as follows:

**Table: Depreciation Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24**

(All figures in INR Cr)

	Approved by Commission				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Depreciation	0.06	0.06	0.06	0.06	0.06

The details of proposed additional capitalization for the MYT period has been provided in the table below:

**Table: Proposed Additional Capitalization for the MYT Control Period for UGC SHP**

(All figures in INR Cr)

Proposed Add-Cap	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Proposed Add-Cap	-	-	-	-	-

*Chaitanya*  
(Admin Staff)  
2024-2025 (2024-25)

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The depreciation for the purpose of determination of tariff has been calculated on the opening GFA values for each financial year. The depreciation on the capital additions has been provided starting from the year succeeding the year of capitalization at the rates specified in the Appendix 3 (A) of UPERC (Terms and Conditions of Generation Tariff) Regulations 2024.

The rates of depreciation prescribed by the Hon'ble Commission in Appendix 3 (A) of the aforesaid Tariff Regulations prescribe different depreciation rates for different assets. In such circumstances it would only be fit to consider station wise depreciation calculated at the weighted average rate.

The depreciation on capital additions worked out has been included in depreciation amount claimed for the financial year succeeding the year of capitalization, being in line with the methodology followed by the Hon'ble Commission.

The summary of depreciation calculation for the period of FY 2024-25 to FY 2028-29 is as follows:

Table: Depreciation Summary- UGC SHP - FY 2024-25 to FY 2028-29

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Accrual Depreciation	3.11	3.31	3.31	3.31	3.31
Depreciation during the year	0.00	0.00	0.00	0.00	0.00
Closing Accrual Depreciation	3.31	3.31	3.31	3.31	3.31

### 3.5.3. Interest on Loan Capital

The tariff petition for last control period for UGC Small Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2020 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Obra, Khara, UGC, Bekka, Babai and Sherdola HPS for 2019-2024. The summary of approved interest on loan is as follows:

Table: Interest on Loan Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24

(All figures in INR Cr)

Approved by Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on Loan	0.04	0.03	0.02	0.02	0.01

A summary of the loan balances, draws and repayments along with interest cost is summarized in Table below

PAKSHI  
*(Signature)*  
(Name)  
The address (10/10/10/10/10)

MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

Table: Summary of Interest on Loan for the Control Period for UGC SHP

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance	0.00	0.00	0.00	0.00	0.00
Additions	0.00	0.00	0.00	0.00	0.00
Repayments	0.00	0.00	0.00	0.00	0.00
Closing Balance	0.00	0.00	0.00	0.00	0.00
Average Net Loan	0.00	0.00	0.00	0.00	0.00
Rate of Interest	12.25%	12.25%	12.25%	12.25%	12.25%
Interest on Loan	0.00	0.00	0.00	0.00	0.00

### 3.5.4. Return on Equity

The tariff petition for last control period for UGC small Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Obra, Khars, UGC, Belka, Rabal and Sheelaa HPS for 2019-2024. the summary is as follows:

Table: Return on Equity Approved by Hon'ble Commission in last control

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Return on Equity	0.17	0.17	0.17	0.17	0.17

A summary of the equity balances, additions along with return on equity claimed is summarized in Table below:

Table: Return on Equity for UGC SHP for the Control Period (FY 2024-25 to FY 2028-29)

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Average Equity Base	1.10	1.10	1.10	1.10	1.10
Return on Equity @ 15%	0.17	0.17	0.17	0.17	0.17

### 3.5.5. Operating & Maintenance Expenses

The tariff petition for last control period for UGC Small Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

tariff for Obra, Khara, UGC, Belka, Babal and Sheetaa HPS for 2019-2024 tariff period. The summary of the allowed O&M expenses for FY 2019-20 to FY 2023-24 is as follows:

**Table: O&M expenses Approved by Hon'ble Commission in last control period for UGC SHP**

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
O&M Expenses	8.73	9.12	9.53	9.96	10.40

Based on the commission approved escalation rate of 4.47% as per UPERC (Terms and Condition of Generation Tariff), Regulation 2015, the O&M expenses projected for Rihand power station for the control period is as per table below:

**Table: Projected O&M expense for the Control Period**

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O&M Expenses	10.86	11.35	11.86	12.39	12.94

**3.5.6. Interest on Working Capital**

The tariff petition for last control period for UGC Small Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1750 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Obra, Khara, UGC, Belka, Babal and Sheetaa HPS for 2019-2024 tariff period. The summary of the allowed Interest on Working Capital for FY 2019-20 to FY 2023-24 is as follows:

**Table: Interest on Working Capital Approved by Hon'ble Commission in last control period.**

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on working Capital	0.39	0.40	0.42	0.44	0.46

The computation of interest on working capital for the control period for kind consideration and approval of the Hon'ble Commission are as per table below:

MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

Table: Projected Interest on Working Capital for the Control Period

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O & M Expenses	0.91	0.95	0.99	1.03	1.08
Maintenance Spares	1.63	1.70	1.78	1.86	1.94
Receivables	1.42	1.48	1.55	1.61	1.69
<b>Total Working Capital</b>	<b>3.96</b>	<b>4.13</b>	<b>4.32</b>	<b>4.50</b>	<b>4.71</b>
Rate of Interest	12.15%	12.50%	12.50%	12.50%	12.50%
<b>Interest on Working Capital</b>	<b>0.48</b>	<b>0.52</b>	<b>0.54</b>	<b>0.56</b>	<b>0.59</b>

3.5.7. Summary of Fixed Charges claimed by Petitioner

The Petitioner has submitted the details of the Annual Capacity (Fixed) Charges computations for UGC for the Financial Years 2024-25 to 2028-29 for approval by the Hon'ble Commission.

Table: Summary of Fixed charges claimed by Petitioner for the control period FY 2024-25 to FY 2028-29

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Depreciation	0.29	0.00	0.00	0.00	0.00
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Return on Equity	0.17	0.17	0.17	0.17	0.17
Interest on Working Capital	0.45	0.52	0.54	0.56	0.59
O&M	10.86	11.35	11.86	12.36	12.94
<b>Total</b>	<b>11.72</b>	<b>12.03</b>	<b>12.56</b>	<b>13.12</b>	<b>13.70</b>

3.5.8. Calculation of Tariff

As per CERC Terms and Condition for Tariff Determination from Renewable Energy Resources, Regulation 2024, small hydro power plants (<25 MW) can file petition for levilized tariff for the control period considering the discount factor 0.15%. Thus the following table describes the tariff that the petitioner requests the commission to approve.

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Installed Capacity	13.7	13.7	13.7	13.7	13.7
Gross Generation	30.1	30	30	30	30.1
Aux. Consumption	1%	1%	1%	1%	1%
<b>Net Generation</b>	<b>35.74</b>	<b>35.04</b>	<b>35.04</b>	<b>35.04</b>	<b>35.74</b>

MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	0.20	0.00	0.00	0.00	0.00
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Return on Equity <sup>1</sup>	0.17	0.17	0.17	0.17	0.17
Interest on Working Capital	0.48	0.52	0.54	0.56	0.59
O & M Expenses	10.86	11.26	11.80	12.39	12.94
<b>Total</b>	<b>11.72</b>	<b>12.05</b>	<b>12.56</b>	<b>13.12</b>	<b>13.70</b>
<b>Per Unit</b>					
Depreciation	0.00	-	-	-	-
Interest on Loan	-	-	-	-	-
Return on Equity <sup>1</sup>	0.05	0.05	0.05	0.05	0.05
Interest on Working Capital	0.14	0.14	0.15	0.16	0.16
O & M Expenses	3.04	3.18	3.33	3.48	3.62
<b>Per Unit Tariff Component</b>	<b>3.28</b>	<b>3.38</b>	<b>3.52</b>	<b>3.68</b>	<b>3.83</b>
	1	2	3	4	5
Discount Rate	8.15				
Discount Factor	1	0.92	0.84	0.77	0.70
Discount Tariff	<b>3.28</b>	<b>3.09</b>	<b>2.96</b>	<b>2.83</b>	<b>2.70</b>
<b>Levelized Tariff (Rs. / Unit)</b>	<b>3.00</b>				

*Shanub*  
 (MYT Petition)  
 37th March 2024 (Page No. 10)

### 3.6. Belka Small Hydro Power Project

#### 3.6.1. Gross Fixed Assets/ Capital Cost

The following table provides the snapshot of the year-wise breakup of addition capitalization along with the Gross Fixed Assets balances for each year of the MYT control period:

Table: Fixed Assets Summary- Belka SHP - FY 2024-25 to FY 2028-29

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening GFA	17.92	17.92	17.92	17.92	17.92
Capitalization during the year	0.00	0.00	0.00	0.00	0.00
Closing GFA	17.92	17.92	17.92	17.92	17.92

#### 3.6.2. Depreciation

The tariff petition for last control period for Belka Small Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and compendium dated 03.06.2024 for determination of tariff for Odra, Khars, UGC, Belka, Sabal and Sheelaa HPS for 2019-2024 tariff period. The summary of approved depreciation is as follows:

Table: Depreciation Approved by Non'bis Commission in last control period FY 2019-20 to FY 2023-24

(All figures in INR Cr)

	Approved by Commission				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Depreciation	1.02	1.02	1.02	0.24	0.24

The details of proposed additional capitalization for the MYT period has been provided in the table below:

Table: Proposed Additional Capitalization for the MYT Control Period for Belka SHP

(All figures in INR Cr)

Proposed Add-Cap	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Proposed Add-Cap	-	-	-	-	-

*Shri Anshu*  
 1 March 2024  
 JPR 2024-29 (1075 INR Cr)

### MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

The depreciation for the purpose of determination of tariff has been calculated on the opening GFA values for each financial year. The depreciation on the capital additions has been provided starting from the year succeeding the year of capitalization at the rates specified in the Appendix 3 (A) of UPERC (Terms and Conditions of Generation Tariff) Regulations 2024.

The rates of depreciation prescribed by the Hon'ble Commission in Appendix 3 (A) of the aforesaid Tariff Regulations prescribe different depreciation rates for different assets. In such circumstances it would only be fit to consider station wise depreciation calculated at the weighted average rate.

The depreciation on capital additions worked out has been included in depreciation amount claimed for the financial year succeeding the year of capitalization, being in line with the methodology followed by the Hon'ble Commission.

The summary of depreciation calculation for the period of FY 2024-25 to FY 2028-29 is as follows:

**Table: Depreciation Summary- Belka SHP - FY 2024-25 to FY 2028-29**

*(All figures in INR Cr)*

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Accrual Depreciation	11.87	12.90	13.92	14.95	15.07
Depreciation during the year	1.03	1.03	1.03	0.12	0.12
Closing Accrual Depreciation	12.90	13.92	14.95	15.07	15.18

### 3.8.3: Interest on Loan Capital

The tariff petition for last control period for Belka Small Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Obra, Khara, UGC, Belka, Babal and Sheelao HPS for 2019-2024. The summary of approved interest on loan is as follows:

**Table: Interest on Loan Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24**

*(All figures in INR Cr)*

Approved by Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on Loan	1.15	1.02	0.90	0.82	0.79

A summary of the loan balances, draws and repayments along with interest cost is summarized in Table below

*Shankar*  
(Petition No. 2030 of 2023)  
03.06.2024 (10:27:24 AM)

MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

Table: Summary of Interest on Loan for the Control Period for Belka SHP

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance	6.31	5.28	4.26	3.23	3.11
Additions	0.00	0.00	0.00	0.00	0.00
Repayments	1.03	1.03	1.03	6.12	6.12
Closing Balance	5.28	4.26	3.23	3.11	3.00
Average Net Loan	5.80	4.77	3.74	3.17	2.05
Rate of Interest	12.25%	12.25%	12.25%	12.25%	12.25%
Interest on Loan	0.71	0.58	0.46	0.39	0.37

3.3.4. Return on Equity

A summary of the equity balances, additions along with return on equity earned is summarized in Table below.

Table: Return on Equity for Belka SHP for the Control Period (FY 2024-25 to FY 2028-29)

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Average Equity Base	0.00	0.00	0.00	0.00	0.00
Return on Equity @15%	0.00	0.00	0.00	0.00	0.00

3.3.5. Operating & Maintenance Expenses

The tariff petition for last control period for Belka Small Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1700 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Cora, Khara, UGC, Belka, Babai and Sheelaa HPS for 2019-2024 tariff period. The summary of the allowed O&M expenses for FY 2019-20 to FY 2023-24 is as follows:

Table: O&M expenses Approved by Hon'ble Commission in last control period for Belka SHP

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
O&M Expenses	0.67	0.70	0.73	0.78	0.80

*Handwritten signature*  
 (Name)  
 203 2023-24 (1000 2023-24)

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

Based on the commission approved escalation rate of 4.47% as per UPERC (Terms and Condition of Generation Tariff), Regulation 2019, the O&M expenses projected for Rihand power station for the control period is as per table below.

**Table: Projected O&M expense for the Control Period**

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O&M Expenses	0.34	0.67	0.91	0.95	1.00

**3.5.5. Interest on Working Capital**

The tariff petition for last control period for Belka Small Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Odra, Khara, UGC, Belka, Babai and Sheelbaa HPS for 2019-2024 tariff period. The summary of the allowed Interest on Working Capital for FY 2019-20 to FY 2023-24 is as follows:

**Table: Interest on Working Capital Approved by Hon'ble Commission in last control period**

(All figures in INR Cr)

Particulars	Approved by Hon'ble Commission				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on working Capital	0.05	0.06	0.06	0.05	0.05

The computation of interest on working capital for the control period for kind consideration and approval of the Hon'ble Commission are as per table below.

**Table: Projected Interest on Working Capital for the Control Period**

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O & M Expenses	0.07	0.07	0.08	0.08	0.08
Maintenance Spares	0.13	0.13	0.14	0.14	0.15
Receivables	0.32	0.31	0.30	0.19	0.19
<b>Total Working Capital</b>	<b>0.52</b>	<b>0.52</b>	<b>0.52</b>	<b>0.41</b>	<b>0.42</b>
Rate of Interest	12.15%	12.50%	12.50%	12.50%	12.50%
<b>Interest on Working Capital</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.05</b>	<b>0.05</b>

*Shankar*  
 (Member Secy.)  
 Joint Secretary (R&D and M&A)



### 3.7. Babail Small Hydro Power Project

#### 3.7.1. Gross Fixed Assets/ Capital Cost

The following table provides the snapshot of the year-wise breakup of addition capitalization along with the Gross Fixed Assets balances for each year of the MYT control period:

**Table: Fixed Assets Summary- Babail SHP - FY 2024-25 to FY 2028-29**

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening GFA	24.21	24.21	24.21	24.21	24.21
Capitalization during the year	0.00	0.00	0.00	0.00	0.00
Closing GFA	24.21	24.21	24.21	24.21	24.21

#### 3.7.2. Depreciation

The tariff petition for last control period for Babail Small Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Ora, Khara, UCC, Belka, Babail and Sheelaa HPS for 2019-2024 tariff period. The summary of approved depreciation is as follows:

**Table: Depreciation Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24**

(All figures in INR Cr)

	Approved by Commission				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Depreciation	1.38	1.38	1.38	0.32	0.32

The details of proposed additional capitalization for the MYT period has been provided in the table below:

**Table: Proposed Additional Capitalization for the MYT Control Period for Babail SHP**

(All figures in INR Cr)

Proposed Add-Cap	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Proposed Add-Cap	-	-	-	-	-

*Handwritten signature*  
 (Name)  
 20/05/2024 (Date)

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

The depreciation for the purpose of determination of tariff has been calculated on the opening GFA values for each financial year. The depreciation on the capital additions has been provided starting from the year succeeding the year of capitalization at the rates specified in the Appendix 3 (A) of UPERC (Terms and Conditions of Generation Tariff) Regulations 2024.

The rates of depreciation prescribed by the Hon'ble Commission in Appendix 3 (A) of the aforesaid Tariff Regulations prescribe different depreciation rates for different assets. In such circumstances, it would only be fit to consider station wise depreciation calculated at the weighted average rate.

The depreciation on capital additions worked out has been included in depreciation amount claimed for the financial year succeeding the year of capitalization, being in line with the methodology followed by the Hon'ble Commission.

The summary of depreciation calculation for the period of FY 2024-25 to FY 2028-29 is as follows:

**Table: Depreciation Summary- Babai SHP - FY 2024-25 to FY 2028-29**

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Accrual Depreciation	16.21	16.67	17.14	17.60	18.07
Depreciation during the year	0.46	0.46	0.46	0.46	0.46
Closing Accrual Depreciation	16.67	17.14	17.60	18.07	18.53

**3.7.3. Interest on Loan Capital**

The tariff petition for last control period for Babai Small Hydro power plant has been approved by the Commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and compendium dated 02.06.2024 for determination of tariff for Odra, Khara, UGC, Baska, Babai and Sheelaa HPS for 2019-2024. The summary of approved interest on loan is as follows:

**Table: Interest on Loan Approved by Hon'ble Commission in last control period FY 2019-20 to FY 2023-24**

(All figures in INR Cr)

Approved by Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on Loan	1.53	1.36	1.19	1.08	1.04

A summary of the loan balances, draws and repayments along with interest cost is summarized in Table below:

*(Handwritten signature)*  
27/05/2024 (1790 of 2021)

MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29

Table: Summary of Interest on Loan for the Control Period for Babal SHP

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance	8.37	7.91	7.44	6.96	6.51
Additions	0.00	0.00	0.00	0.00	0.00
Repayments	0.46	0.46	0.46	0.46	0.46
Closing Balance	7.91	7.44	6.98	6.51	6.05
Average Net Loan	8.14	7.67	7.21	6.74	6.28
Rate of Interest	12.25%	12.25%	12.25%	12.25%	12.25%
Interest on Loan	1.00	0.94	0.88	0.83	0.77

3.7.4. Return on Equity

A summary of the equity balances, additions along with return on equity claimed is summarized in Table below

Table: Return on Equity for Babal SHP for the Control Period (FY 2024-25 to FY 2028-29)

(All figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Average Equity Base	0.00	0.00	0.00	0.00	0.00
Return on Equity @15%	0.00	0.00	0.00	0.00	0.00

3.7.5. Operating & Maintenance Expenses

The tariff petition for last control period for Babal Small Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2030 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Obra, Khara, LOC, Selka, Babal and Sheelaa HPS for 2019-2024 tariff period. The summary of the allowed O&M expenses for FY 2019-20 to FY 2023-24 is as follows:

Table: O&M expenses Approved by Hon'ble Commission in last control period for Babal SHP

(All figures in INR Cr)

	Approved by Hon'ble Commission				
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
O&M Expenses	0.91	0.95	0.99	1.04	1.08

*Shashi*  
 (Date: 15/05/24)  
 JVA Addl. Secy (S&D) (S&D)

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

Based on the commission approved escalation rate of 4.47% as per UPERC (Terms and Condition of Generation Tariff), Regulation 2019, the O&M expenses projected for Rihand power station for the control period is as per table below

**Table: Projected O&M expense for the Control Period**

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O&M Expenses	1.10	1.18	1.23	1.29	1.34

**3.7.6. Interest on Working Capital**

The tariff petition for last control period for Sabal Small Hydro power plant has been approved by the commission vide order dated 15.03.2023 issued the order in Petition 1790 of 2021 and review order dated 24.05.2024 in Petition No. 2025 of 2023 and corrigendum dated 03.06.2024 for determination of tariff for Odra, Khari, UGC, Beka, Sabal and Sheetaa HPS for 2019-2024 tariff period. The summary of the allowed Interest on Working Capital for FY 2019-20 to FY 2023-24 is as follows:

**Table: Interest on Working Capital Approved by Hon'ble Commission in last control period**

(All figures in INR Cr)

Approved by Hon'ble Commission					
	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Interest on working Capital	0.08	0.08	0.08	0.07	0.07

The computation of interest on working capital for the control period for kind consideration and approval of the Hon'ble Commission are as per table below

**Table: Projected Interest on Working Capital for the Control Period**

(Figures in INR Cr)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
O & M Expenses	0.09	0.10	0.10	0.11	0.11
Maintenance Spares	0.17	0.18	0.18	0.19	0.20
Receivables	0.33	0.33	0.33	0.33	0.33
<b>Total Working Capital</b>	<b>0.59</b>	<b>0.60</b>	<b>0.61</b>	<b>0.63</b>	<b>0.64</b>
Rate of Interest	12.15%	12.50%	12.50%	12.50%	12.60%
<b>Interest on Working Capital</b>	<b>0.07</b>	<b>0.08</b>	<b>0.08</b>	<b>0.08</b>	<b>0.08</b>

*Chakraborty*  
(Member Secy)  
New delhi (Date: 14/08/24) 14/08

**MYT Petition for Determination of Tariff for the control period FY 2024-25 to FY 2028-29**

**3.7.7. Summary of Fixed Charges claimed by Petitioner**

The Petitioner has submitted the details of the Annual Capacity (Fixed) Charges computations for Sabar SHP for the Financial Years 2024-25 to 2028-29 for approval by the Hon'ble Commission.

**Table: Summary of Fixed charges claimed by Petitioner for the control period FY 2024-25 to FY 2028-29**

*(All figures in INR Cr)*

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Depreciation	0.46	0.46	0.46	0.46	0.46
Interest on Loan	1.00	0.94	0.88	0.83	0.77
Return on Equity	0.00	0.00	0.00	0.00	0.00
Interest on Working Capital	0.07	0.08	0.08	0.08	0.08
O&M	1.13	1.18	1.23	1.29	1.34
<b>Total</b>	<b>2.66</b>	<b>2.66</b>	<b>2.66</b>	<b>2.66</b>	<b>2.66</b>

**3.7.8. Calculation of Tariff**

As per CERC Terms and Condition for Tariff Determination from Renewable Energy Resources, Regulation 2024, small hydro power plants (<25 MW) can file petition for levelized tariff for the control period considering the discount factor 0.15%. Thus the following table describes the tariff that the petitioner requests the commission to approve:

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Installed Capacity	3	3	3	3	3
Gross Generation	7.80	7.88	7.88	7.91	7.88
Aux. Consumption	1%	1%	1%	1%	1%
Net Generation	7.80	7.80	7.80	7.83	7.80
Depreciation	0.46	0.46	0.46	0.46	0.46
Interest on Loan	1.00	0.94	0.88	0.83	0.77
Return on Equity <sup>1</sup>	0.00	0.00	0.00	0.00	0.00
Interest on Working Capital	0.07	0.08	0.08	0.08	0.08
O & M Expenses	1.13	1.18	1.23	1.29	1.34
<b>Total</b>	<b>2.66</b>	<b>2.66</b>	<b>2.66</b>	<b>2.66</b>	<b>2.66</b>
<b>Per Unit</b>					
Depreciation	0.60	0.60	0.60	0.59	0.60
Interest on Loan	1.28	1.20	1.13	1.05	0.99
Return on Equity <sup>1</sup>	-	-	-	-	-
Interest on Working Capital	0.09	0.10	0.10	0.10	0.10
O & M Expenses	1.45	1.51	1.58	1.64	1.72
<b>Per Unit Tariff Component</b>	<b>3.41</b>	<b>3.41</b>	<b>3.40</b>	<b>3.39</b>	<b>3.41</b>
	1	2	3	4	5
Discount Rate	0.15				
Discount Factor	1	0.92	0.84	0.77	0.70
<b>Discount Tariff</b>	<b>3.41</b>	<b>3.12</b>	<b>2.88</b>	<b>2.61</b>	<b>2.40</b>
<b>Levelized Tariff (Rs. / Unit)</b>	<b>2.92</b>				

Hon'ble Commission  
 04/05/2024



## 5. PRAYER

In view of the above, the Petitioner most respectfully prays that this Hon'ble commission may be pleased to:

- a) Accept this Petition without true-up of previous year as elaborated in the Petition.
- b) Accept and allow the Petitioner to dem Two-Part Tariff (Capacity and Energy Charges) for those power houses whose installed capacity is more than 25 MW as elaborated in the Petition.
- c) Accept and allow the Petitioner to calculate PAFM based on "Availability factor of a Hydro Power Plant (in %)" instead of existing formula i.e. "Declared Capacity" as elaborated in the Petition.
- d) Allow for the recovery of Petition Filing Charges incurred by the Petitioner and Publication Charges incurred by the Petitioner.
- e) Direct the respondents to make the payment to the petitioner for the bills raised to them for supply of energy.
- f) Condone any inadvertent omissions/errors/ rounding off differences/ shortcomings and permit the Petitioner to add/alter this filing and make further submissions as may be required at later stages, and
- g) Pass such orders as the Hon'ble Commission may deem fit and proper, in light of the facts and circumstances of the case, to grant relief to the Petitioner.

Place: Lucknow

Date:

\_\_\_\_\_  
Signature of the Petitioner

*Charish*  
(Petitioner)  
17/03/2024 (10:30 AM)

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# OBRA HPS

## Tariff Filing Formats

*Chai Loh*  
1/20/2013  
10:00 AM (GMT+8:00)

## Summary Sheet

Name of the Company  
Name of the Power Station :  
RegionUP JAL VIDYUT NIGAM LIMITED  
DBRA HYDRO POWER STATION  
State: UTTAR PRADESH

S. No.	Particulars		2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	5	6	7	8
1.1	Depreciation	Rs Crore	4.50	4.63	5.22	5.97	6.53	6.90
1.2	Interest on Loan	Rs Crore	2.34	1.96	2.22	2.64	2.70	2.43
1.3	Return on Equity	Rs Crore	3.49	3.59	4.04	4.62	5.05	5.34
1.4	Interest on Working Capital	Rs Crore	1.01	1.06	1.14	1.21	1.27	1.33
1.5	O & M Expenses	Rs Crore	19.46	20.33	21.34	21.19	23.18	24.22
	<b>Total</b>		<b>30.81</b>	<b>31.56</b>	<b>31.86</b>	<b>36.62</b>	<b>38.73</b>	<b>40.21</b>

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

Petitioner

*Uday Kulkarni*  
 (Author Sign)  
 जल विद्युत निगम (उत्तर प्रदेश)

## Statement Showing Claimed Capital Cost

Name of the Company  
Name of the Power Station :  
RegionUP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION  
State: UTTAR PRADESH

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Opening Capital Cost	77.59	77.59	81.92	97.79	107.61	117.01
	Add: Addition during the year / period	0.00	4.34	15.87	9.82	9.40	3.39
	Less: Decapitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Reversal during the year / period						
	Add: Discharges during the year / period						
	Closing Capital Cost	77.59	81.92	97.79	107.61	117.01	120.40
	Average Capital Cost	77.59	79.75	89.86	102.70	112.31	118.71

Petitioner

*Chaitanya*  
(Petitioner)  
UP Jal Nigam (UP JN)

## Statement Showing Return on Equity

Name of the Company  
Name of the Power Station /  
RegionUP JAL VIKAS NIGAM LIMITED  
ORRA HYDRO POWER STATION  
Distt. LITLAPRADESH

S. No.	Particulars	2023-24	2022-23	2021-22	2020-21	2019-20	2018-19
1.	2.	3.	4.	5.	6.	7.	8.
	Opening Equity	23.28	23.28	24.58	25.34	31.21	35.11
	Add: Increase due to addition during the year / period	0.00	1.30	4.75	2.91	2.67	1.00
	Less: Decrease due to de-accumulation during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Decrease due to reversal during the year / period						
	Add: Increase due to discharge during the year / period						
	Closing Equity	23.28	24.58	29.34	32.21	35.11	36.11
	Average Equity	23.28	23.93	26.96	30.81	33.19	35.62
	Rate of ROE	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%
	Return on Equity	3.45	3.59	4.39	4.82	5.26	5.34

Per Return

*Vishal*  
(Manager / Sign)  
37th Mile, NH-100 (NH-100, Khatola)

## Details of COD, Type of hydro station, Normative Annual Plant Availability Factor (NAPAF) &amp; other normative parameters considered for tariff calculation

Name of the Company  
Name of the Power Station :UP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

	Unit	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Installed Capacity ( MW)	MW	99	99	99	99	99	99
Free power to home state	%	0	0	0	0	0	0
Date of commercial operation (actual/anticipated)							
a. Unit-1		15-05-1970	15-05-1970	15-05-1970	15-05-1970	15-05-1970	15-05-1970
b. Unit-2		07-12-1970	07-12-1970	07-12-1970	07-12-1970	07-12-1970	07-12-1970
c. Unit-3		08-04-1971	08-04-1971	08-04-1971	08-04-1971	08-04-1971	08-04-1971
Type of Station							
a) Surface/underground		Surface	Surface	Surface	Surface	Surface	Surface
b) Purely ROR/ Pondage/Storage		Storage	Storage	Storage	Storage	Storage	Storage
c) Peaking/non-peaking		Peaking	Peaking	Peaking	Peaking	Peaking	Peaking
d) No. of hours of peaking							
e) Overload capacity(MW) & period							
Type of excitation							
a) Rotating exciter on generator		Static	Static	Static	Static	Static	Static
b) Static excitation		Static	Static	Static	Static	Static	Static
Design Energy (Annual)	MU	279	279	279	279	279	279
Auxiliary Consumption including Transformation losses	%	1%	1%	1%	1%	1%	1%
Normative Plant Availability Factor (NAPAF)	%	85%	85%	85%	85%	85%	85%
Maintenance Spares for WC	INR Crores	2.32	3.05	3.19	3.33	3.48	3.61
Recoms for WC	INR Crores	3.85	3.89	4.18	4.52	4.76	4.96
Base Rate of Return on Equity	%	15%	15%	15%	15%	15%	15%
SR Base Rate + 350 basis points as on 2	%	11.05%	12.15%	12.50%	12.50%	12.50%	12.50%

Petitioner

*Shankar*  
(Name Print)  
27/01/2024 (12:34:41 AM)



Reporting Year (Starting from COB)	Year 1			Year 2			Year 3					
	2	3	4	5	6	7	8	9	10	11	12	13
	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakhs)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakhs)	Date (Foreign Currency)	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakhs)

Name of the currency to be incorporated: US\$, DM, etc. etc.  
 In case of more than one drawal during the year, Exchange rate at the date of each drawal to be given.  
 Period details of hedging, in case of more than one hedging during the year or part hedging, details of each hedging are to be given.  
 For such as wellfunding head details as applicable including change in rates, date from which change effective etc. must be clearly indicated.

Attachment

*Chas. Lal*  
 (Name Sign)  
 100, Ashokrao (Village) (M. 2000)

## Details of Foreign Equity

(Details only in respect of sums applicable to the project under section)

UP JAL VIKAS NIGAM LIMITED  
ORISSA HYDRO POWER STATIONName of the Company  
Name of the Power Station  
Exchange Rate as on 31.03.2014

Financial Year Starting from (DD)

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

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

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

*Shas' Aris*  
(Name Sign)  
2014-03-31 (Date)

## Abstract of Admitted Capital Cost for the existing Projects

Name of the Company : UP JAL VIDYUT NIGAM LIMITED  
 Name of the Power Station : OBRA HYDRO POWER STATION

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)	
c	Foreign Exchange rate considered for the admitted Capital cost (Rs Lakh)	NIL
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)	
		Petitioner

## Abstract of Capital Cost Estimates and Schedule of Commissioning for the New projects

Name of the Company : UP JAL Vidyut Nigam Limited  
 Name of the Power Station : ODRA HYDRO POWER STATION

New Projects : Nil  
 Capital Cost Estimates : Nil

Board of Director/ Agency approving the Capital cost estimates:

Date of approval of the Capital cost estimates:

Price level of approved estimates	Present Day Cost		Completed Cost	
	As of End of _____ Qtr. Of the year		As on Scheduled COD of the Station	
Foreign Exchange rate considered for the Capital cost estimates				
<b>Capital cost excluding IDC &amp; FC</b>				
Foreign Component, if any (In Million US \$ or the relevant Currency)		NIL		
Domestic Component (Rs. Cr.)				
<b>Capital cost excluding IDC &amp; FC (Rs. Cr.)</b>				
<b>IDC &amp; FC</b>				
Foreign Component, if any (In Million US \$ or the relevant Currency)				
Domestic Component (Rs. Cr.)				
<b>Total IDC &amp; FC (Rs. Cr.)</b>				
Rate of Dam & duties considered				
<b>Capital cost including IDC &amp; FC</b>				
Foreign Component, if any (In Million US \$ or the relevant Currency)				
Domestic Component (Rs. Cr.)				
<b>Capital cost including IDC &amp; FC (Rs. Cr.)</b>				

## Schedule of Commissioning

COG of Unit-1/Block-1

COG of Unit-2/Block-2

COG of last Unit/Block

## Note

- Copy of approval letter should be enclosed.
- Details of Capital cost are to be furnished as per FORM-5B or 5C as applicable.
- Details of IDC & Financing Charges are to be furnished as per FORM-14.

*Chaitanya*  
 (Partner) (PES)  
 Chartered Accountant (Mumbai) (MCA No. 2492)

Professional

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

Name of the Company :

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station :

OBRA HYDRO POWER STATION

Sl.No.	Break Down	Cost in Rs. Crores		Liabilities/ Provisions (5)	Variation (Rs. Cr.)	Reasons for Variation
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>1.0</b>	<b>Infrastructure Works</b>					
1.1	Preliminary including Development					
1.2	Land					
1.3	R&R expenditure					
1.4	Buildings					
1.5	Township					
1.6	Maintenance					
1.7	Tools & Plants		Nil			
1.8	Communication					
1.9	Environment & Ecology					
1.10	Losses on stock					
1.11	Receipt & Recoveries					
1.12	<b>Total (Infrastructure )</b>					
<b>2.0</b>	<b>Major Civil Works</b>					
2.1	Dam, Intake & Desilting chambers					
2.2	HRT, FRT, Surge Shaft & Pressure shafts					
2.3	Power Plant civil works					
2.4	Other civil works (to be specified)					
2.5	<b>Total (Major Civil Works)</b>					
<b>3.0</b>	<b>Hydro Mechanical equipments</b>					
<b>4.0</b>	<b>Plant &amp; Equipment</b>					
4.1	Initial spares of Plant & Equipment					
4.2	<b>Total (Plant &amp; Equipment)</b>					
<b>5.0</b>	<b>Taxes and Duties</b>					
5.1	Custom Duty					
5.2	Other taxes & Duties					
5.3	<b>Total Taxes &amp; Duties</b>					
<b>6.0</b>	<b>Construction &amp; Precommissioning expenses</b>					
6.1	Erection, testing & commissioning					
6.2	Construction					
6.3	Site supervision					
6.4	<b>Total (Const. &amp; Precommissioning)</b>					
<b>7.0</b>	<b>Overheads</b>					
7.1	Establishment					
7.2	Design & Engineering					
7.3	Audit & Accounts					
7.4	Contingency					
7.5	Rehabilitation & Resettlement					

*Chitra K. J.*  
 Project Engineer  
 UP Jal Vidyut Nigam Limited

Sl.No.	Break Down	Cost in Rs. Crores		Liabilities/ Provisions (5)	Variation (Rs. Cr.)	Reasons for Variation
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Total (Overheads)					
8.0	Capital Cost without IDC, FC, FERV & Hedging Cost					
9.0	IDC, FC, FERV & Hedging Cost					
9.1	Interest During					
9.2	Financing Charges					
9.3	Foreign Exchange					
9.4	Hedging Cost					
9.5	Total of IDC, FC, FERV					
10	Capital cost including					
<p>Note:</p> <ol style="list-style-type: none"> <li>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 ating company</li> <li>In case of both time &amp; cost overrun, a detailed note giving reasons of such time and cost over-run should be submitted clearly bringing out the agency responsible and hether such time and cost overrun was beyond the control of the generating company.</li> <li>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 cipated COD, increase in IDC from scheduled COD to actual COD/anticipated COD and increase of IDC from scheduled COD to actual anticipated COD.</li> <li>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.</li> <li>A list of balance work assets/work wise including initial spare on original scope of works along with estimate shall be furnished positively</li> </ol>						

*Chaitanya*  
 Petitioner  
 (with Rs. 1000/-)

## Break-up of Capital Cost for Plant &amp; Equipment (New Projects)

Name of IC  
Name of ITUP (M) 3075/17 - IN GARD LIMITED  
ORSA HYDRO POWER STATION

S. No.	Variables	Original Cost as approved by Authority/Investor (1)	Original Cost as approved by Authority/Investment Approver (2)	Variation	Reasons for Variation?
1	Generator, turbine & Accessories Generator package Turbine package Grid control board C&I package Bus Bar of GT substation Total Generator, turbine & Accessories		Nil		
2	Auxiliary Electrical equipment Step-up transformer Grid Auxiliary transformer TCC/SCADA Control transformer MCCB Over/Under Relays, DC dist. Board Telecommunication equipment Distribution of C&I, P&W & Instrument Cables & Joints Facilities grounding Class generator sets Total/Auxiliary Equip. Equipment				
3	Auxiliary equipment & services for power station PIT crane Other cranes Electro PPS & elevators Cooling water system Storage & dewatering system Fuel/air equipment Air conditioning Heating and cooling Water supply system Oil handling equipment Workshop machines & equipment Total/Auxiliary equip. & services for PE				
4	Switchgear package				
5	Initial spares for all above equipments				
6	Total Cost (Plant & Equipment) excluding DC, AC, HRY & Hedging Cost				
7	DC, AC, HRY & Hedging Cost Interest During Construction (IDC) Financing Charges (FC) Foreign Exchange Rate Variation (FERV) Hedging Cost Total of DC, AC, HRY & Hedging Cost				
8	Total Cost (Plant & Equipment) including DC, AC, HRY & Hedging Cost				

*Chaitanya*  
 (Name)  
 17/04/2018 (18/04/2018)



In case there is cost over run

Name of the Company :  
Name of the Power Station :UP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

Sl.No.	Break Down	Cost in Rs. Crores		Variation( Rs. Cr.)	Reasons for Variation	Admitted Cost (Rs. Cr.)
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.0	Cost of Land & Site Development					
1.1	Land					
1.2	Rehabilitation & Resettlement (R&R)					
1.3	Preliminary investigation & Site development					
	Total Land & Site Development	0	0	0	0	0
2.0	Plant & Equipment					
2.1	Steam Turbine generator Island					
2.2	Turbine Generator Island					
2.3	BOP Mechanical					
2.3.1	Fuel Handling & Storage system					
2.3.2	External water supply system					
2.3.3	CW system					
2.3.4	Cooling Towers					
2.3.5	D/W water Plant					
2.3.6	Clarification plant					
2.3.7	Chlorination Plant					
2.3.8	Air condition & Ventilation System					
2.3.9	Fire Fighting system					
2.3.10	HP/SP Piping					
	Total BOP Mechanical	0	0	0	0	0
2.5	BOP Electrical					
2.5.1	Switch Yard Package					
2.5.2	Transformers package					
2.5.3	Switch gear Package					
2.5.4	Cable, Cable Facilities & grounding					
2.5.5	Lighting					
2.5.6	Emergency D.G. set					
	Total BOP Electrical	0	0	0	0	0
2.6	C & I Package					
	Total Plant & Equipment excluding taxes & Duties					
2.7	Taxes and Duties					
2.7.1	Custom Duty					
2.7.2	Other Taxes & Duties					
	Total Taxes & Duties	0	0	0	0	0
	Total Plant & Equipment(with taxes & Duties)					
3.0	Initial spares					
4.0	Civil Works					
4.1	Main plant/Adm. Building					
4.2	External water supply system					
4.3	CW system					
4.4	Cooling Towers					
4.5	D/W water Plant					
4.6	Clarification plant					
4.7	Fuel Handling & Storage system					
4.8	Township & Colony					
4.9	Temp. construction & mulling works					

*M. S. Jha*  
(Signature)  
2013-11-11 10:53:41 (Date)

Sl. No.	Break Down	Cost in Rs. Crores		Variation (Rs. Cr.)	Reasons for Variation	Admitted Cost (Rs. Cr.)
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
4.10	Road & Drainage					
4.11	Fire Fighting system					
	<b>Total Civil works</b>	0	0	0	0	0
5.0	<b>Construction &amp; Pre- Commissioning Expenses</b>					
5.1	Direction Testing and commissioning					
5.2	Site supervision					
5.3	Operator's Training					
5.4	Construction Insurance					
5.5	Tools & Plant					
5.6	Start up fuel					
	<b>Total Construction &amp; Pre- Commissioning Expenses</b>	0	0	0	0	0
6.0	<b>Overheads</b>					
6.1	Establishment					
6.2	Design & Engineering					
6.3	Audit & Accounts					
6.4	Contingency					
	<b>Total Overheads</b>	0	0	0	0	0
7.0	<b>Capital cost excluding IDC &amp; FC</b>					
7.1	Interest During Construction (IDC)					
7.2	Financing Charges (FC)					
8.0	<b>Capital cost including IDC &amp; FC</b>					

Note:

Note: Impact on account of each reason for Cost overrun should be quantified and substantiated with necessary documents and supporting workings.

Petitioner

*Jasjit Singh*  
 (Signature)  
 978 988888 (011-2612333)

In case there is time over run

Name of the Company  
Name of the Power StationLIP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

Description of Activity/ Work/ Service	Original Schedule (As per Planning)		Actual Schedule (As per Actual)		Time Over- Run days	Reasons for delay	Other Activity effected (Mention S. No. of activity affected)
	Start Date	Completion Date	Actual Start Date	Actual Completion Date			
		Nil.					

Petitioner

*Shankar*  
(Name Sign)  
2003/2004 (10/10/2003)

## Financial Package upto COD

Name of the Company UP JAL VIDYUT NIGAM LIMITED  
 Name of the Power Station OBRA HYDRO POWER STATION  
 Project Cost as on COD:  
 Date of Commercial Operation of the Station:

1	Financial Package as Approved		Financial Package as on COD		As Admitted on COD	
	Currency and Amount		Currency and Amount		Currency and Amount	
	2	3	4	5	6	7
Loan-I						
Loan-II			NR			
Loan-III						
and so on						
Loan-						
Foreign						
Domestic						
Total loan(Rs)						
Equity						
Foreign						
Domestic						
Total Equity(Rs)						
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. Provide details on commercial operation as on COD of each Unit.
3. For example: US\$ 200m, etc.

*Shri. K. K.*

Petitioner

(Name of)  
 Petitioner (if a company)

## Details of Project Specific Loans

Name of the Company: LIP JAL VIDYUT NIGAM LIMITED  
 Name of the Power Station: OBRA HYDRO POWER STATION

Particulars	Package1	Package2	Package3	Package4	Package5	Package6
1	2	3	4	5	6	7
Loan No.						
Source of loan						
Currency						
Amount of loan sanctioned			Nil			
Amount of Gross Loan drawn upto 31.03.2014/COO						
Interest Type						
Fixed Interest Rate, if applicable						
Base Rate, if floating interest						
Margin, if floating interest						
Are there any Caps/Floor						
If above is yes, specify caps/floor						
Moratorium Period						
Moratorium effective from						
Repayment Period						
Repayment effective from						
Repayment Frequency						
Repayment Instalment						
Base Exchange Rate						

Source of loan means the agency from whom the loan has been taken such as WB, ADB, WNB, PNB, SBI, ICD, IFC, PFC etc.

Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

Details are to be submitted as on 31.03.2014 for existing assets and as on COO for the remaining assets.

Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.

Interest type means whether the interest is fixed or floating.

Base rate means the base as PLR, LBDR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.

Margin means the points over and above the floating rate.

At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

Moratorium period refers to the period during which loan servicing liability is not required.

Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

Where there is more than one drawl/repayment for a loan, the date & amount of each drawl/repayment may also be given separately.

If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished separately.

In case of foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given.

Base exchange rate means the exchange rate prevailing as on 31.03.2014 for existing assets, and as on COO for the remaining assets.

Petitioner









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

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
(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.

  
 Petitioner  
 (Name Only)  
 301/302/303 (P.O. No. 4350)

## Statement showing items/assets/works claimed under Exclusions

Name of the Company  
Name of the Power Station  
CODUP JAL VIDYUT NIGAM LIMITED  
ORRA HYDRO POWER STATION

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 or 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.

  
 Petitioner
 

## Statement of Capital cost (To be given for relevant dates and year wise)

Name of the Co  
Name of the PoUP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

Amount in Rs. Lakh

S. No.	Variables	As on Relevant Date
<b>A</b>	Opening Gross Block Amount 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	NIL
	Amount of FERV in A(a) above	
	Amount of Hedging Cost in A(a) above	
	Amount of IDC in A(a) above	
<b>B</b>	Addition in Gross Block Amount during the period (Direct purchases)	
	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 IDC in B(a) above	
<b>C</b>	Addition in Gross Block Amount during the period (Transferred from CWP)	
	Amount of capital liabilities in C(a) above	
	Amount of IDC in C(a) above	
	b) Amount of FC in C(a) above	
	e) Amount of FERV in C(a) above	
	f) Amount of Hedging Cost in C(a) above	
	g) Amount of IDC in C(a) above	
<b>D</b>	a) Deletion in Gross Block Amount 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 IDC in D(a) above	
<b>E</b>	a) Closing Gross Block Amount 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 IDC in E(a) above	

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

Petitioner

*(Signature)*  
 (Name)  
 Petitioner (Date)

## Statement of Capital works in progress (to be given for relevant dates and year wise)

Name of the Co.  
Name of the PoUP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

Amount in Rs. Lakh

S. No.	Variables	As on Relevant Date
<b>A</b>	Opening CWP as per books	
	Amount of capital liabilities in A(a) above	NIL
	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 EDC in A(a) above	
<b>B</b>	Addition in CWP 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 EDC in B(a) above	
<b>C</b>	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 EDC in C(a) above	
<b>D</b>	a) Deletion in CWP 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 EDC in D(a) above	
<b>E</b>	a) Closing CWP 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 EDC 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

Petitioner

Financing of Additional Capitalization

UP JAL VIDYUT NIGAM LIMITED  
ORHA HYDRO POWER STATION

Name of the Company  
Name of the Power Station  
Date of Commercial Operation

Particulars	Actual					Approved					Amount in Rs. Lacs	
	Year 1	Year 2	Year 3	Year 4	Year 5 R to 30	Year 1	Year 2	Year 3	Year 4	Year 5 R to 30		
Revenue Year (Starting from 0000)	0	1	2	3	4	5	6	7	8	9	10	11
Amount Capitalized in Work/Equipment												
Financing Details												
Loan 1												
Loan 2												
Loan 3 upto 30.00												
Total Loan												
Equity												
Internal Resources												
Others (if applicable)												
Total												

Note:  
1. Year 1 refers to financial year of 0000 and Year 2, Year 3 etc. are the subsequent financial years respectively.  
2. Loan details for meeting the additional capitalization requirement should be given as per FORM 7 of B which form is attached.

*Chand*  
14/05/2011  
10:24:00 AM (074 704 0074)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL Vidyut NIGAM LIMITED  
OBRA HYDRO POWER STATION

(Amount in Rs Crore)

FY 2023-24

S. No.	Name of the Asset	Gross Block as on 31.03.2023 or as on COO	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)	As Col 2 x Col 3
1	Land & Land Rights	0.03			-	-
2	Temporary Structure	-			100.00%	-
3	Buildings	0.63			3.34%	0.02
4	Hydraulic Works	10.98			5.83%	0.64
5	Other Civil works	0.23			3.34%	0.01
6	Plant & Machinery	65.41			5.83%	3.81
7	Lines, Cables, Networks Etc.	-			5.83%	-
8	Vehicles	0.15			5.83%	0.01
9	Furniture & Fixtures	0.07			6.33%	0.00
10	Office Equipments	0.06			6.33%	0.00
11	Capital Spares at Generating Stations	0.03			5.83%	0.00
12	Electric Equipments	-			5.83%	-
13	Survey Equipments	-			5.83%	-
14	Tools & Tackles	0.02			5.83%	0.00
15	Electric Installation	0.00			5.83%	0.00
16	Steel Shuttering	-			5.83%	-
17	Library Book	0.00			5.83%	0.00
18	Wooden Frames	-			100.00%	-
19	Wireless Set	-			6.33%	-
20	Computers	0.03			6.33%	0.00
	<b>TOTAL</b>	<b>77.55</b>	-	-	<b>5.80%</b>	<b>4.50</b>
	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.

Signature

*Chaitanya*  
(Date: 15/05/2024)  
JUN ADVISOR (OFFICE)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL Vidyut Nigam Limited  
OBRA HYDRO POWER STATION

FY 2024-25

Sl.No.	Name of the Asset <sup>1</sup>	Gross Block as on 31.03.2023 or as on COB	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CBEC's Depreciation	Depreciation Amount
	(1)	(2)			(3)	As Col 2 X Col 3
1	Land & Land Rights	0.07			0.00%	-
2	Temporary Structure	-			100.00%	-
3	Buildings	0.03			3.34%	0.02
4	Hydraulic Works	10.90			5.83%	0.64
5	Other Civil works	0.23			3.34%	0.01
6	Plant & Machinery	65.41	4.34		5.83%	3.94
7	Lines, Cables, Networks Etc.	-			5.83%	-
8	Vehicles	0.15			5.83%	0.01
9	Furniture & Fixtures	0.07			6.33%	0.00
10	Office Equipments	0.06			6.33%	0.00
11	Capital Spares at Generating Stations	0.03			5.83%	0.00
12	Electric Equipments	-			5.83%	-
13	Survey Equipments	-			5.83%	-
14	Tools & Testles	0.03			5.83%	0.00
15	Electric Installation	0.00			5.83%	0.00
16	Steel Shuttering	-			5.83%	-
17	Library Book	0.00			5.83%	0.00
18	Wooden Frames	-			100.00%	-
19	Wireless Set	-			6.33%	-
20	Computers	0.03			6.33%	0.00
	<b>TOTAL</b>	<b>77.59</b>	<b>4.34</b>		<b>5.80%</b>	<b>4.63</b>
	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 Verification

  
 Petitioner  
 (Name and  
 Title of the Petitioner (in blue ink))

Calculation of Depreciation

Name of the Company  
Name of the Power Station

UP JAL VOYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

FY 2025-26

Sl.No.	Name of the Asset	Gross Block as on 31.03.2023 or as on COO	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)	As per Col.2 & Col.3
1	Land & Land Rights	0.01				
2	Temporary Structure				100.00%	
3	Buildings	0.53			3.34%	0.02
4	Hydraulic Works	10.50			5.83%	0.64
5	Other Civil works	0.23			3.34%	0.01
6	Plant & Machinery	69.75	15.87		5.83%	4.53
7	Lines, Cables, Networks Etc.				5.83%	
8	Vehicles	0.11			5.83%	0.01
9	Furniture & Fixtures	0.07			6.33%	0.00
10	Office Equipments	0.08			6.33%	0.00
11	Capital Loans at Generating Stations	0.03			5.83%	0.00
12	Electric Equipments				5.83%	
13	Survey Equipments				5.83%	
14	Tools & Tackles	0.03			5.83%	0.00
15	Electric Installation	0.00			5.83%	0.00
16	Steel Shuttering				5.83%	
17	Library Book	0.00			5.83%	0.00
18	Wooden Frames				100.00%	
19	Wireless Set				6.33%	
20	Computers	0.03			6.33%	0.00
	<b>TOTAL</b>	<b>81.91</b>	<b>15.87</b>		<b>5.81%</b>	<b>5.32</b>
	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.

Signature

*Handwritten Signature*

(Seal/Stamp)  
UP JAL VOYUT NIGAM LIMITED

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

FY 2026-27

Sl.No.	Name of the Asset	Gross Block as on 31.03.2023 or as on COO	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CEREC's Depreciation	Depreciation Amount
	(1)	(2)			(3)	As Col 2 x Col 3
1	Land & Land Rights	0.03			-	-
2	Temporary Structure				100.00%	-
3	Buildings	0.83			3.34%	0.27
4	Hydraulic Works	10.90			5.82%	0.64
5	Other Civil works	0.23			3.34%	0.07
6	Plant & Machinery	85.62	1.82		5.82%	5.28
7	Lines, Cables, Networks Etc.	-			5.82%	-
8	Vehicles	0.15			5.82%	0.08
9	Furniture & Fixtures	0.07			6.33%	0.04
10	Office Equipments	0.09			6.33%	0.05
11	Capital Spares at Generating Stations	0.03			5.82%	0.02
12	Electric Equipments	-			5.82%	-
13	Survey Equipments	-			5.82%	-
14	Tools & Tackles	0.09			5.82%	0.05
15	Electric Installation	0.00			5.82%	0.00
16	Steel Shuttering	-			5.82%	-
17	Library Book	0.00			5.82%	0.00
18	Wooden Frames	-			100.00%	-
19	Wireless Set	-			6.33%	-
20	Computers	0.03			6.33%	0.02
	<b>TOTAL</b>	<b>97.76</b>	<b>1.82</b>	<b>-</b>	<b>5.81%</b>	<b>5.97</b>
	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.

  
 Retention  
 (Retention)  
 JAL NIGAM (2026-27)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
DERA HYDRO POWER STATION

FY 2027-28

S.No.	Name of the Asset*	Gross Block as on 31.03.2023 or as on CDO	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)	As per Col. 2 & Col. 3
1	Land & Land Rights	0.03				
2	Temporary Structure				100.00%	
3	Buildings	0.83			3.34%	0.02
4	Hydraulic Works	10.90			5.83%	0.64
5	Other Civil works	0.23			3.34%	0.01
6	Plant & Machinery	55.44	9.40		5.83%	5.84
7	Lines, Cables, Networks Etc.				5.83%	
8	Vehicles	0.15			5.83%	0.01
9	Furniture & Fixtures	0.07			6.33%	0.00
10	Office Equipments	0.06			6.33%	0.00
11	Capital Spares of Generating Stations	0.03			5.83%	0.00
12	Electric Equipments				5.83%	
13	Survey Equipments				5.83%	
14	Tools & Tackles	0.03			5.83%	0.00
15	Electric Installation	0.00			5.83%	0.00
16	Steel Shuttering				5.83%	
17	Library Book	0.00			5.83%	0.00
18	Wooden Frames				100.00%	
19	Wireless Set				6.33%	
20	Computers	0.03			6.33%	0.00
	<b>TOTAL</b>	<b>107.61</b>	<b>9.40</b>		<b>5.81%</b>	<b>6.52</b>
	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.

*Manish*  
 Petitioner  
 (Name of the Petitioner)  
 17th July 2024 (Date of filing)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

FY 2028-29

Sl.No.	Name of the Asset	Green Book as on 31.03.2023 or as on COO	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation [1]	Depreciation Amount As Col 2 X Col 5
1	Land & Land Rights	0.03				
2	Temporary Structure				100.00%	
3	Buildings	0.63			3.34%	0.02
4	Hydraulic Works	10.90			5.80%	0.64
5	Other Civil works	0.23			3.34%	0.01
6	Plant & Machinery	194.84	1.20		5.82%	6.23
7	Lines, Cables, Networks Etc.				5.82%	
8	Vehicles	0.15			5.82%	0.01
9	Furniture & Fixtures	0.07			6.33%	0.05
10	Office Equipments	0.06			6.33%	0.01
11	Capital Spares of Generating Stations	0.03			5.82%	0.00
12	Electric Equipments				5.82%	
13	Survey Equipments				5.82%	
14	Tools & Tackles	0.03			5.82%	0.00
15	Electric Insulation	0.00			5.82%	0.00
16	Steel Shuttering				5.82%	
17	Library Book	0.00			5.82%	0.00
18	Wooden Frames				100.00%	
19	Wireless Set				6.33%	
20	Computers	0.03			6.33%	0.00
	<b>TOTAL</b>	<b>117.01</b>	<b>1.20</b>		<b>5.81%</b>	<b>6.90</b>
	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.

  
 Chaitanya  
 Petitioner  
 (with Seal)  
 JPM ADDRESS (REGD) 03/01/2023



## FORM-13 Calculation of Weighted Average Rate of Interest on Actual Loans

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

(Amount in Rs Lakh)

Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>Loan-1</b>		Nil				
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
<b>Loan-2</b>						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
<b>Loan-3 and so on</b>						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
<b>Total Loan</b>						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Interest on loan						
Weighted average Rate of Interest on Loans						

Note:

1. In case of foreign Loan's, the calculations in Indian Rupees are to be furnished. However, the calculations in Original currency are also to be furnished separately in the same form.

Petitioner

## Calculation of Interest on Normative Loan

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
GBRA HYDRO POWER STATION

(Amount in Rs Lakh)

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Gross Normative loan - Opening						
	Cumulative repayment of Normative loan upto previous year						
	Net Normative loan - Opening	21.42	16.80	15.21	21.10	22.01	22.07
	Add: Increase due to addition during the year / period	0.00	3.01	11.11	6.87	6.58	2.37
	Less: Repayment during the year	4.83	4.83	3.22	3.97	6.53	6.90
	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
	Add: Increase due to discharge during the year / period						
	Net Normative loan - Closing	16.59	15.21	21.89	23.81	23.87	17.54
	Average Normative loan	19.12	16.01	18.14	21.56	23.04	19.60
	Weighted average rate of interest	12.25%	12.25%	12.25%	12.25%	12.25%	12.25%
	Interest on loan	2.04	1.96	2.22	2.64	2.70	2.43

  
 Petitioner

 (Seal of the  
 Petitioner)

## Calculation of Interest on Working Capital

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	O & M expenses for the year	10.46	20.33	25.28	32.19	25.18	24.22
	O & M Expenses	1.42	1.68	1.77	1.95	1.63	2.02
	Maintenance Spares	7.52	5.05	3.15	3.33	5.48	3.52
	Receivables	1.52	3.60	1.18	4.92	6.74	4.68
	<b>Total Working Capital</b>	<b>8.50</b>	<b>8.63</b>	<b>8.13</b>	<b>9.69</b>	<b>10.17</b>	<b>10.63</b>
	Rate of interest	12.05%	12.10%	12.56%	12.50%	12.50%	12.50%
	Interest on Working Capital	1.03	1.05	1.34	1.21	1.27	1.33

  
 Petitioner

 (Petitioner's Sign)  
 JAL VIDYUT NIGAM LIMITED

## Other Income as on COO

Name of the Company  
Name of the Power StationLIP JAL VIDYUT NIGAM LIMITED  
GBRA HYDRO POWER STATION

(Amount in Rs Lakh)

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	Interest on loans and advance						
2	Interest received on deposits						
3	Income from investment		95				
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)						

  
 Petitioner

 (Water Pkg)  
 100 अक्षर (100 x 100)

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

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

Amount in Rs Lakh

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

Petitioner

*Vijay Laksh*  
 (Petitioner)  
 37th sub-station (OBRA HYDRO)

**Draw Down Schedule for Calculation of EIC & Financing Charges**

Name of the Borrower:  
Name of the Guarantor/Drawer:

LP AS VENTURE INVESTMENT LIMITED  
SRI LANKA POWER CORPORATION

Sl. No.	Draw Down Particulars	Quarter 1		Amount in Indian Rupee (Rs Lakhs)	Quarter 2		Quarter 3		Amount in Indian Rupee (Rs Lakhs)
		Quantum in Foreign Currency	Exchange Rate in draw down date		Quantum in Foreign Currency	Exchange Rate in draw down date	Quantum in Foreign Currency	Exchange Rate in draw down date	
1	Loan								
2	Unpaid Loan								
1.1	Foreign loan								
	Draw down Amount								
	ECI								
	Financing charges								
	Foreign Exchange Rate Variation								
	Interest Cost								
1.1.1	Foreign loan								
	Draw down Amount								
	ECI								
	Financing charges								
	Foreign Exchange Rate Variation								
	Interest Cost								
1.1.2	Foreign loan								
	Draw down								
	Account								
	ECI								
	Financing charges								
	Foreign Exchange Rate Variation								
	Interest Cost								
1.1.3	Foreign loan								
	Draw down								
	Account								
	ECI								
	Financing charges								
	Foreign Exchange Rate Variation								
	Interest Cost								
1.1.4									
1.1	Total Foreign Loans								
	Draw down Amount								
	ECI								
	Financing charges								
	Foreign Exchange Rate Variation								
	Interest Cost								
2	Indian Loans								
1.2.1	Indian loan								
	Draw down			Amount					
	ECI								
	charges			Financing					
1.2.2	Indian loan								
	Draw down								
	Account								
	ECI								
	charges								
1.2.3	Indian loan								
	Draw down			Amount					
	ECI								
	charges			Financing					
1.2.4									
2	Total Indian Loans								
	Draw down			Amount					
	ECI								
	charges			Financing					
3	Total of Loans drawn								
	ECI								
	Financing charges								

*Handwritten signature*  
(initials)  
Date: \_\_\_\_\_

Sl. No.	Draw Dates Particulars	Quarter 1			Quarter 2			Quarter 3 (2020)		
		Quantity in Foreign Currency	Exchange Rate on draw draw date	Amount in Indian Rupee (Rs Lakh)	Quantity in Foreign Currency	Exchange Rate on draw draw date	Amount in Indian Rupee (Rs Lakh)	Quantity in Foreign Currency	Exchange Rate on draw draw date	Amount in Indian Rupee (Rs Lakh)
	Foreign exchange from reserves									
	Foreign loan									
1	Govt									
2	Foreign private firms									
3	India private firms									
	Foreign investment									

Notes:  
 1. These details are subject to audit or scrutiny from quarter wise to meet the corresponding foreign share of equity capital in the foreign project.  
 2. Available amount under foreign currency loan for draw corresponding to the draw schedule.  
 3. In case of multi-currency project, detailed specifications have to be provided.

*Handwritten signature*

(Signature)

(Date: 20/01/2021)  
 20/01/2021 (20/01/2021)

## Actual Cash Expenditure

Name of the Company

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station

OBRA HYDRO POWER STATION

(Amount in Rs. Lakh)

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

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

  
(Petitioner)

(Petitioner)  
उप निगम (उद्योग विभाग)

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

Name of the Company  
Name of the Power Station :UP JAL VIDYUT NIGAM LIMITED  
OBRA HYDRO POWER STATION

Month	Unit	Design Energy	Designed Peaking Capability (MW)*
April	I		
	II		
	III		
	Total	22.93	
May	I		
	II		
	III		
	Total	23.70	
June	I		
	II		
	III		
	Total	22.93	
July	I		
	II		
	III		
	Total	23.70	
August	I		
	II		
	III		
	Total	23.70	
September	I		
	II		
	III		
	Total	22.93	
October	I		
	II		
	III		
	Total	23.70	
November	I		
	II		
	III		
	Total	22.93	
December	I		
	II		
	III		
	Total	23.70	
January	I		
	II		
	III		
	Total	23.70	
February	I		
	II		
	III		
	Total	20.71	
March	I		
	II		
	III		
	Total	23.70	

Petitioner

*Shri. Anand*(Shri. Anand)  
जल विद्युत निगम (उत्तर प्रदेश राज्य)

PART-I  
FORM- 15

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

Name of the Company

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station :

OBRA HYDRO POWER STATION

Month	Unit	Design Energy	Designed Peaking Capability (MW)*
April	I		
	II		
	III	NIL	
May	I		
	II		
	III		
June	I		
	II		
	III		
July	I		
	II		
	III		

*Shashi*  
Petitioner

(Signature)  
Date: \_\_\_\_\_



# KHARA HPS

## Tariff Filing Formats

*Khara HPS*  
(HPS Form)  
www.khara.com (HPS Form)

## Summary Sheet

Name of the Company  
Name of the Power Station :  
RegionUP JAL VIDYUT NISAM LIMITED  
KHARA HYDRO POWER STATION  
State: UTTAR PRADESH

S. No.	Particulars		2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1.	2.		3.	4.	5.	6.	7.	8.
1.1	Depreciation	Rs Crore	14.00	0.36	1.65	3.00	4.10	5.27
1.2	Interest on Loan	Rs Crore	0.00	0.22	0.83	1.19	1.20	-0.93
1.3	Return on Equity	Rs Crore	11.04	11.30	11.51	11.81	12.12	12.29
1.4	Interest on Working Capital	Rs Crore	0.91	0.77	0.86	0.92	0.97	1.02
1.5	O & M Expenses	Rs Crore	12.29	13.47	14.07	14.70	15.35	16.04
	<b>Total</b>		<b>38.27</b>	<b>25.98</b>	<b>28.96</b>	<b>31.69</b>	<b>33.83</b>	<b>35.54</b>
	<b>Share of IIP (80%)</b>		<b>30.60</b>	<b>20.78</b>	<b>23.17</b>	<b>25.35</b>	<b>27.07</b>	<b>28.43</b>

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

  
 Partitioner

 (Mam Sir)  
 जय अहिंसा (सा वा अस्मै)

## Statement Showing Claimed Capital Cost

Name of the Company  
Name of the Power Station :  
RegionUP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION  
State: UTTAR PRADESH

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Opening Capital Cost	245.27	245.27	250.88	262.52	265.84	273.04
	Add: Addition during the year / period	0.00	5.51	11.54	3.33	7.70	0.00
	Less: Decapitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Reversal during the year / period						
	Add: Discharges during the year / period						
	Closing Capital Cost	245.27	250.88	262.52	265.84	273.04	273.04
	Average Capital Cost	245.27	248.08	256.70	264.18	269.44	273.04

Petitioner

*Chiranjeev*  
(Member Secretary)  
UP Jal Vidyut Nigam Ltd.

## Statement Showing Return on Equity

Name of the Company  
Name of the Power Station  
RegionUP (A) VIDYUT NIGAM LIMITED  
KHARLA HYDRO POWER STATION  
State- UTTAR PRADESH

S. No.	Particulars	2024-25	2023-25	2022-26	2021-27	2020-26	2019-25
5.	2	₹	₹	₹	₹	₹	₹
	Opening Equity	7158	7158	7158	76.71	76.71	81.91
	Add: Increase due to addition during the year / period	0.00	1.00	0.00	1.00	2.10	0.00
	Less: Decrease due to (a) contribution during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Decrease due to (b) reversal during the year / period						
	Add: Increase due to discharge during the year / period						
	Closing Equity	7158	7158	76.71	79.71	81.91	81.91
	Surplus Equity	7158	76.61	77.61	79.71	80.81	81.91
	Rate of ROE	11.00%	11.00%	11.00%	11.00%	11.00%	11.00%
	Return on Equity	11.04	11.10	11.11	11.09	11.12	

  
 For Signer

 (Printed Copy)  
 For Reference (अर्थ एवं अर्थ)

## Details of COD, Type of hydro station, Normative Annual Plant Availability Factor (NPAF) &amp; other normative parameters considered for tariff calculation

Name of the Company  
Name of the Power Station :UP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

	Unit	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Installed Capacity (MW)	MW	72	72	72	72	72	72
Free power to home state	%	0	0	0	0	0	0
Date of commercial operation (actual/anticipated)							
a. Unit-1		29-12-1992	29-12-1992	29-12-1992	29-12-1992	29-12-1992	29-12-1992
b. Unit-2		30-12-1992	30-12-1992	30-12-1992	30-12-1992	30-12-1992	30-12-1992
c. Unit-3		31-12-1992	31-12-1992	31-12-1992	31-12-1992	31-12-1992	31-12-1992
Type of Station							
a) Surface/underground		Surface	Surface	Surface	Surface	Surface	Surface
b) Purely ROR/Forage/Storage		ROR	ROR	ROR	ROR	ROR	ROR
c) Peaking/non-peaking		Peaking	Peaking	Peaking	Peaking	Peaking	Peaking
d) No. of hours of peaking							
e) Overload capacity(MW) & period							
Type of excitation							
a) Rotating excitors on generator		Static	Static	Static	Static	Static	Static
b) Static excitation		Static	Static	Static	Static	Static	Static
Design Energy (Annual)	MU	385	385	385	385	385	385
Auxiliary Consumption including Transformer losses	%	1%	1%	1%	1%	1%	1%
Normative Plant Availability Factor (NPAF)	%	85%	85%	85%	85%	85%	85%
Maintenance Spares for WC	INR Crores	1.93	2.02	2.11	2.20	2.30	2.41
Reservables for WC	INR Crores	4.86	3.28	3.57	3.91	4.16	4.38
Base Rate of Return on Equity	%	15%	15%	15%	15%	15%	15%
Wt Base Rate + 350 basis points as on 2	%	12.05%	12.15%	12.50%	12.50%	12.50%	12.50%

  
 Petitioner

 (With file)  
 17/04/2024 (12) 10/2024

## Details of Foreign Loans

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

UP JAL VIDYUT NIGAM LIMITED  
SISSARA HYDRO POWER STATIONName of the Company  
Name of the Power Station  
Exchange Rate at 01.03.2004, whichever is later  
Exchange Rate as on 31.03.2014

Financial Year (Starting from 01.03)

	Year 1			Year 2			Year 3					
	2	3	4	5	6	7	8	9	10	11	12	13
	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)
Swapped <sup>1</sup>												
At the date of Swap or at the beginning to the year of the period <sup>2</sup>												
Scheduled repayment date of principal												
Scheduled payment date of interest												
At the end of financial year												
In case of Hedging												
At the date of hedging												
Period of hedging												
Cost of hedging												
Current <sup>3</sup>												
At the date of Draw or at the beginning to the year of the period <sup>2</sup>												
Scheduled repayment date of principal												
Scheduled payment date of interest												
At the end of financial year												
In case of Hedging												
At the date of hedging												
Period of hedging												
Cost of hedging												
Current <sup>3</sup> & so on												
At the date of Draw or at the beginning to the year of the period <sup>2</sup>												
Scheduled repayment date of principal												
Scheduled payment date of interest												
At the end of financial year												

NIL

Financial Year (Starting from 0001)	Year 1			Year 2			Year 3			Year 4		
	1	2	3	4	5	6	7	8	9	10	11	12
	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakhs)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakhs)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakhs)

1. Name of the insurance to be maintained e.g. U.S. 200, etc. etc.  
 2. In case of more than one cover during the year, exchange rate at the date of each claim to be given.  
 3. Amount details of handling - i.e. cost of marine insurance handling during the year or audit handling, details of each receipt etc. to be given.  
 4. In (such as withholding tax) details as applicable including change in rates, date from which change effective etc. must be clearly indicated.

Postmaster

## Details of Foreign Equity

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

UP JAL VEDUYU NIGAM LIMITED  
KHARSA HYDRO POWER STATIONName of the Company  
Name of the Project Station  
Exchange Rate as on 31.03.2014

Financial Year (Starting from 2013)

Year 1	Year 2	Year 3	Year 1			Year 2			Year 3			
			2	3	4	5	6	7	8	9	10	11
Amount (Foreign Currency)	Exchange Rate (Rs. Lakh)	Amount (Rs. Lakh)	Exchange Rate	Amount (Foreign Currency)	Exchange Rate (Rs. Lakh)	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)	Exchange Rate	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)
Nil												
Currency <sup>1</sup> As the date of admission:												
Nil												
Currency <sup>2</sup> As the date of admission:												
Nil												
Currency <sup>3</sup> & so on As the date of admission:												
Nil												

Name of the currency to be mentioned e.g. U.S. \$, DM, etc. etc.

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

*Chaitanya*  
(Partner Firm)  
100, 101/102, 103/104, 105/106

## Abstract of Admitted Capital Cost for the existing Projects

Name of the Company : UP JAL VIDYUT NIGAM LIMITED  
 Name of the Power Station : KHARA HYDRO POWER STATION  
 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)	
c	Foreign Exchange rate considered for the admitted Capital cost (Rs Lakh)	NIL
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)	
		Petitioner

*Chas. Singh*

(Name of)  
 the officer (with reg. no.)

## Abstract of Capital Cost Estimates and Schedule of Commissioning for the New projects

Name of the Company: UP JAL VIDYUT NIGAM LIMITED  
 Name of the Power Station: KHARA HYDRO POWER STATION

New Projects: NIL  
 Capital Cost Estimates: NIL

Board of Director/ Agency approving the Capital cost estimates:

Date of approval of the Capital cost estimates:

Price level of approved estimate	Present Day Cost		Completed Cost	
	As of End of _____ Qtr. Of the year _____	Of the	As on Scheduled COD of the	Station
Foreign Exchange rate considered for the Capital cost estimates				
Capital cost excluding IDC & FC				
Foreign Component, if any (in Million US \$ or the relevant Currency)		NIL		
Domestic Component (Rs. Cr.)				
Capital cost excluding IDC & FC (Rs. Cr.)				
<b>IDC &amp; FC</b>				
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.)				
<b>Schedule of Commissioning</b>				
COD of Unit I/Block I				
COD of Unit II/Block II				
COD of Unit III/Block III				
COD of Unit IV/Block IV				

## 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 5A.

*Manish*  
 Manish (Manish Singh)  
 JAL NIGAM (UP JAL NIGAM)

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

Name of the Company :  
Name of the Power Station :UP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

Sl. No.	Break Down	Cost in Rs. Crores		Liabilities/ Provisions (5)	Variation (Rs. Cr.)	Reasons for Variation
		As per original Estimates	As on COD (4)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>1.0</b>	<b>Infrastructure Works</b>					
1.1	Preliminary including Development					
1.2	Land					
1.3	R&R expenditure					
1.4	Buildings					
1.5	Township					
1.6	Maintenance					
1.7	Tools & Plants		Nil			
1.8	Communication					
1.9	Environment & Ecology					
1.10	Losses on stock					
1.11	Receipt & Recoveries					
1.12	<b>Total (Infrastructure )</b>					
<b>2.0</b>	<b>Major Civil Works</b>					
2.1	Dam, Intake & Drafting chambers					
2.2	HRT, TRT, Surge Shaft & Pressure shafts					
2.3	Power Plant civil works					
2.4	Other civil works (to be specified)					
2.5	<b>Total (Major Civil Works)</b>					
<b>3.0</b>	<b>Hydro Mechanical equipments</b>					
<b>4.0</b>	<b>Plant &amp; Equipment</b>					
4.1	Initial spares of Plant & Equipment					
4.2	<b>Total (Plant &amp; Equipment)</b>					
<b>5.0</b>	<b>Taxes and Duties</b>					
5.1	Custom Duty					
5.2	Other taxes & Duties					
5.3	<b>Total Taxes &amp; Duties</b>					
<b>6.0</b>	<b>Construction &amp; Precommissioning expenses</b>					
6.1	Erection, testing & commissioning					
6.2	Construction					
6.3	Site supervision					
6.4	<b>Total (Const. &amp; Precommissioning)</b>					
<b>7.0</b>	<b>Overheads</b>					
7.1	Establishment					
7.2	Design & Engineering					
7.3	Audit & Accounts					
7.4	Contingency					
7.5	Rehabilitation & Resettlement					

Sl.No.	Break Down	Cost in Rs. Crores		Liabilities/ Provisions (S)	Variation (Rs. Cr.)	Reasons for Variation
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Total (Overheads)					
8.0	Capital Cost without IDC, FC, FERV & Hedging Cost					
9.0	IDC, FC, FERV & Hedging Cost					
9.1	Interest During					
9.2	Financing Charges					
9.3	Foreign Exchange					
9.4	Hedging Cost					
9.5	Total of IDC, FC, FERV					
10	Capital cost including					

**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/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.

*Chaitanya*  
Petitioner

(Matter Final)  
Jaya Advaita (Adv. for App.)

## Break-up of Capital Cost for Plant &amp; Equipment (New Projects)

Name of I  
Name of IUP (S) POWER TO GRID LIMITED  
KARAI HYDRO POWER STATION

S. No.	Variable	Original Cost as approved by Authority/Investment Approval (1)	Original Cost as approved by Authority/Investment Approval (2)	Variation	Reason for Variation*
1	<b>Generator, Turbine &amp; Accessories</b>				
	Generator package				
	Turbine package				
	GVF control board				
	T&I package				
	W&W (OT) connection				
	Total (Generator, Turbine & Accessories)				
2	<b>Auxiliary Electrical equipment</b>				
	DC supply transformer				
	LVF Auxiliary Transformer				
	Local supply transformer				
	Station transformer				
	W&W				
	Switchgear, Isolators, CB and Busbar				
	Telecommunication equipment				
	Automation of Turb. In and Switchyard				
	Cables & Leds				
	Switches, Switching				
	Energy generating sets				
	Total (Auxiliary Equip. Equipment)				
3	<b>Auxiliary equipment &amp; services for power system</b>				
	HT system				
	Other system				
	Electric, P&S systems				
	Cooling water system				
	Storage & dewatering system				
	Lifting equipment				
	Air conditioning				
	ventilation and heating				
	water supply system				
	Lifting equipment				
	Workshop machines & equipment				
	Total (Auxiliary equip. & services for PS)				
4	Switchyard package				
5	Initial spares for all above equipments				
6	Total Cost (Plant & Equipment) including GC, PC, P&S & Hedging Cost				
7	<b>GC, PC, P&amp;S &amp; Hedging Cost</b>				
	Interest During Construction (IDC)				
	Working Charges (WC)				
	Foreign Exchange Rate				
	Transfer of P&S				
	Hedging Cost				
	Total of GC, PC, P&S & Hedging Cost				
8	Total Cost (Plant & Equipment) including GC, PC, P&S & Hedging Cost				

Signature

*Charitable*  
(Print Name)  
The authority (Date & Sign)



## In case there is cost over run

Name of the Company :  
Name of the Power Station :UP JAL VIDYUT NIGAM LIMITED  
BHARA HYDRO POWER STATION

Sl. No.	Break Down	Cost in Rs. Crores			Reasons for Variation	Admitted Cost (Rs. Cr.)
		As per original Estimates	As on COD	Variation (Rs. Cr.)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.0	Cost of Land & Site Development					
1.1	Land					
1.2	Rehabilitation & Renovation (R&R)					
1.3	Preliminary Investigation & Site development					
	Total Land & Site Development	0	0	0	0	0
2.0	Plant & Equipment					
2.1	Steam Turbine generator Island					
2.2	Turbine Generator Island					
2.3	BOP Mechanical					
2.3.1	Fuel Handling & Storage system					
2.3.2	External water supply system					
2.3.3	CW system					
2.3.4	Cooling Towers					
2.3.5	DM water Plant					
2.3.6	Clarification plant					
2.3.7	Chlorination Plant					
2.3.8	Air condition & Ventilation System					
2.3.9	Fire fighting system					
2.3.10	HP/IP Piping					
	Total BOP Mechanical	0	0	0	0	0
2.5	BOP Electrical					
2.5.1	Switch Yard Package					
2.5.2	Transformers package					
2.5.3	Switch gear Package					
2.5.4	Cable, Cable facilities & grounding					
2.5.5	Lighting					
2.5.6	Emergency D.G. set					
	Total BOP Electrical	0	0	0	0	0
2.6	C & I Package					
	Total Plant & Equipment excluding taxes & Duties					
2.7	Taxes and Duties					
2.7.1	Custom Duty					
2.7.2	Other Taxes & Duties					
	Total Taxes & Duties	0	0	0	0	0
	Total Plant & Equipment (with taxes & Duties)					
3.0	Initial spares					
4.0	Civil Works					
4.1	Main plant/Adm. Building					
4.2	External water supply system					
4.3	CW system					
4.4	Cooling Towers					
4.5	DM water Plant					
4.6	Clarification plant					
4.7	Fuel handling & Storage system					
4.8	Township & Colony					
4.9	Temp. construction & enabling work					

S.No.	Break Down	Cost in Rs. Crores		Variation (Rs. Cr.)	Reasons for Variation	Admitted Cost (Rs. Cr.)
		As per original Estimates	As on CDD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
4.10	Road & Drainage					
4.11	Fire Fighting system					
	<b>Total Civil works</b>	0	0	0	0	0
<b>5.0</b>	<b>Construction &amp; Pre- Commissioning Expenses</b>					
5.1	Erection Testing and commissioning					
5.2	Site supervision					
5.3	Operator's Training					
5.4	Construction Insurance					
5.5	Tools & Plant					
5.6	Start up fuel					
	<b>Total Construction &amp; Pre- Commissioning Expenses</b>	0	0	0	0	0
<b>6.0</b>	<b>Overheads</b>					
6.1	Establishment					
6.2	Design & Engineering					
6.3	Audit & Accounts					
6.4	Contingency					
	<b>Total Overheads</b>	0	0	0	0	0
<b>7.0</b>	<b>Capital cost excluding IDC &amp; FC</b>					
7.1	Interest During Construction (IDC)					
7.2	Financing Charges (FC)					
<b>8.0</b>	<b>Capital cost including IDC &amp; FC</b>					
<p>Note:</p> <p>Note: Impact on account of each reason for Cost overrun should be quantified and substantiated with necessary documents and supporting workings.</p>						
Petitioner						

*Chai hah*

(Phone file)  
 प्रभा अहिर (सी.ए.ए. २०११)

In case there is time over run

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

Description of Activity/ Works/ Service	Original Schedule (As per Planning)		Actual Schedule (As per Actual)		Time Over- Run days	Reasons for delay	Other Activity affected (Mention S. No. of activity affected)
	Start Date	Completion Date	Actual Start Date	Actual Completion Date			
		9/11					

Petitioner

*Chakrabarti*  
(Name Sign)  
Date: 10/10/2010 (10/10/2010)

## Financial Package upto COD

Name of the Company  
Name of the Power Station  
Project Cost as on COD:  
Date of Commercial Operation of the Station:

UP JAL VIDYUT NIGAM LIMITED  
BHARA HYDRO POWER STATION

1	Financial Package as Approved		Financial Package as on COD		As Admitted on COD	
	Currency and Amount		Currency and Amount		Currency and Amount	
	2	3	4	5	6	7
Loan-I						
Loan-II			Nil			
Loan-III						
and so on						
Loan-						
	Foreign					
	Domestic					
Total Loan(Rs)						
Equity						
	Foreign					
	Domestic					
Total Equity(Rs)						
Debt : Equity Ratio						

- Say Rs. 80 Cr. + US\$ 200 m or Rs. 1320 Cr. including US\$ 200m at an exchange rate of US\$-Rs67
- Provide details on commercial operation as on COD of each Unit
- For example: US\$ 200m, etc.

*Usha Kulkarni*  
Petitioner

(When filed)  
मेरे अधिवक्ता (सीआरपीए संख्या 10/2017)

## Details of Project Specific Loans

Name of the Company  
Name of the Power StationLIP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

Particulars	Package1	Package2	Package3	Package4	Package5	Package6
1	2	3	4	5	6	7
Loan No.						
Source of loan						
Currency						
Amount of Loan sanctioned			Nil			
Amount of Gross Loan drawn upto 31.03.2014/COO						
Interest Type						
Fixed Interest Rate, if applicable						
Base Rate, if floating interest						
Margin, if floating interest						
Are there any Caps/Floor						
If above is yes specify caps/floor						
Moratorium Period						
Moratorium effective from						
Repayment Period						
Repayment effective from						
Repayment Frequency						
Repayment Instalment						
Base Exchange Rate						

Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMS, PMS, SBI, COO, IFC, PIC etc.

Currency refers to currency of loan such as US\$, DM, Yen Indian Rupee etc.

Details are to be submitted as on 31.03.2014 for existing assets and as on COO for the remaining assets.

Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

If the tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.

Interest type means whether the interest is fixed or floating.

Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawal may also be enclosed.

Margin means the points over and above the floating rate.

At times caps/floor are put at which the floating rates are frozen, if such a condition exists, specify the limits.

Moratorium period refers to the period during which loan servicing liability is not required.

Repayment period means the repayment of loan such as 7 years, 10 years, 20 years etc.

Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately.

If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished separately.

In case of Foreign loan date of each drawal & repayment alongwith exchange rate at that date may be given.

Base exchange rate means the exchange rate prevailing as on 31.03.2004 for existing assets and as on COO for the remaining assets.

*Charan*  
Petitioner

(Petitioner)  
Date submitted (DD/MM/YYYY)





Statement of Additional Contributions during the last of each life of the Project

Name of the Company: **UT (IL) VEDUT, NICAM LIMITED**  
 Name of the Power Station: **SHALAHIND POWER STATION**

Sl. No.	Year	Work / Equipment added during the five years of useful life of each unit/Station	Amount capitalized / Provision to be maintained (Rs. Crore)	Justification	Impact on life extension
(1)	(2)	(3)	(4)	(5)	(6)
1	2020-21	(Detail described as below in 2)	1.41	(Detail described as below in 2)	
2	2021-22		1.34		
3	2022-23		1.17		
4	2023-24		1.20		
5	2024-25		1.97		
<b>Total</b>			<b>6.09</b>		

**Note:**  
 1. For the work to be categorized under this work along with detailed justification identifying all the necessary and the benefits accruing to the beneficiaries.  
 2. For new and/or replacement of electrical equipment and accessories, then the cost of such items should be reduced wherever, e.g. Batteries, Motor, Transformers, etc.

*Chao. Kaly*  
 (Signature)  
 ज्ञान अधिकाारी (विद्युत विभाग)



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

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
(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 (see Stage wise breakup)					
	Net Additions pertaining to instant project/Unit/Stage					
	Less: Exclusions (items not allowable / not claimed)					
	Net Additional Capital Expenditure Claimed					

Note:

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

Batteries

*Charitable*  
 (अभिषेक सिंह)  
 जिला अधिकारी (आर. व. व. वि.)

## Statement showing Items/assets/works claimed under Exclusions

Name of the Company  
Name of the Power Station  
CODUP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

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)	(7)
		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.

Petitioner

*Charitable*  
(Charitable)  
1000 अक्षर (1000 अक्षर)

## Statement of Capital cost (to be given for relevant dates and year wise)

Name of the Co. UP JAL VIDYUT NIGAM LIMITED  
Name of the Po. KHARA HYDRO POWER STATION

S. No.	Variables	Amount in Rs. Lakh
		As on Relevant Date
<b>A</b>	Opening Gross Block Amount 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	Nil
	Amount of FERV in A(a) above	
	Amount of Hedging Cost in A(a) above	
	Amount of RDC in A(a) above	
<b>B</b>	Addition in Gross Block Amount during the period (Direct purchases)	
	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 RDC in B(a) above	
<b>C</b>	Addition in Gross Block Amount during the period (Transferred from CWP)	
	Amount of capital liabilities in C(a) above	
	Amount of IDC in C(a) above	
	d) Amount of FC in C(a) above	
	e) Amount of FERV in C(a) above	
	f) Amount of Hedging Cost in C(a) above	
	g) Amount of RDC in C(a) above	
<b>D</b>	a) Deletion in Gross Block Amount 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 RDC in D(a) above	
<b>E</b>	a) Closing Gross Block Amount 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 RDC in E(a) above	

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

Petitioner

## Statement of Capital works in progress (To be given for relevant dates and year wise)

Name of the Co.  
Name of the PoUP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

Amount in Rs. Lakh

S. No.	Variables	As on Relevant Date
<b>A</b>	Opening CWIP as per books	
	Amount of capital liabilities in A(a) above	NIL
	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 EDC in A(a) above	
<b>B</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 EDC in B(a) above	
<b>C</b>	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 EDC in C(a) above	
<b>D</b>	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 EDC in D(a) above	
<b>E</b>	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 EDC 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.

Petitioner

*[Signature]*  
(Petitioner)  
300 अड्डा (पॉली-स्टोर्स)

## Financing of Additional Capitalization

Name of the Company  
Name of the Power Station  
State of Commercial Operation

UP JAL VIDYUT NIGAM LIMITED  
KINARA HYDRO POWER STATION

Financial Year (Starting from CDD)	Actual			Subsidized					Amount in Rupees		
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11
1	2	3	4	5	6	7	8	9	10	11	
Amount Capitalized as Mortgage											
Financing Details											
Loan 1		50									
Loan 2											
Loan 3											
Year Loan											
Equity											
Interest Allowance											
Others (if applicable)											
Total											

Note:

1. Year 1 refers to Financial Year of CDD and Year 2, Year 3 etc. are the subsequent financial years respectively.

2. Total amount for meeting the additional capitalization requirement should not exceed 10% of the total cost of investment in the project.

*Usha Singh*

(Project Manager)  
उप निदेशक (परियोजना प्रबन्धक)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

(Amount in Rs Crore)

FY 2023-24

Sl.No.	Name of the Asset	Gross Block as on 31.03.2023 or as on COO	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation	Depreciation Amount
	(3)	(4)			(5)	4= Col 2 X Col 5
1	Land & Land Rights	0.46			-	-
2	Temporary Structure	-			100.00%	-
3	Buildings	8.71			3.34%	0.29
4	Hydraulic Works	149.03			5.83%	8.69
5	Other Civil works	2.53			3.34%	0.08
6	Ram & Machinery	82.22			5.83%	4.79
7	Lines, Cables, Networks Etc.	-			5.83%	-
8	Vehicles	0.55			5.83%	0.03
9	Furniture & Fixtures	0.64			6.33%	0.04
10	Office Equipments	0.52			6.33%	0.03
11	Capital Shares at Generating Stations	0.42			5.83%	0.02
12	Electric Equipments	-			5.83%	-
13	Survey Equipments	-			5.83%	-
14	Tools & Tackles	0.14			5.83%	0.01
15	Electric Installation	0.00			5.83%	0.00
16	Steel Shuttering	-			5.83%	-
17	Library Book	0.00			5.83%	0.00
18	Wooden Frames	-			100.00%	-
19	Wireless Set	-			6.33%	-
20	Computers	0.05			4.33%	0.00
	<b>TOTAL</b>	<b>246.27</b>	<b>-</b>	<b>-</b>	<b>5.71%</b>	<b>14.88</b>
	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:

*Chas. S. S.*  
(char. S. S.)  
Total addition (only to add)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationLIP JAL VOYUT NIGAM LIMITED  
KHARRA HYDRO POWER STATION

FY 2024-25

S.No.	Name of the Asset	Gross Block as on 31.03.2023 or as on COB	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation	Depreciation Amount
	(A)	(B)			(C)	4= Col 2 x Col 3
1	Land & Land Rights	0.46			0.00%	-
2	Temporary Structure	-			100.00%	-
3	Buildings	8.71			3.34%	0.29
4	Hydraulic Works	149.03			5.83%	8.69
5	Other Civil works	2.53			3.34%	0.08
6	Plant & Machinery	82.22	5.61		5.83%	4.96
7	Lines, Cables, Networks Etc.	-			5.83%	-
8	Vehicles	0.55			5.83%	0.03
9	Furniture & Fixtures	0.64			6.33%	0.04
10	Office Equipments	0.52			6.33%	0.03
11	Capital Spares at Generating Stations	0.42			5.83%	0.02
12	Electric Equipments	-			5.83%	-
13	Survey Equipments	-			5.83%	-
14	Tools & Tackles	0.14			5.83%	0.01
15	Electric Installation	0.06			5.83%	0.00
16	Steel Shuttering	-			5.83%	-
17	Library Book	0.00			5.83%	0.00
18	Wooden Frames	-			100.00%	-
19	Wireless Set	-			6.33%	-
20	Computers	0.05			6.33%	0.00
	<b>TOTAL</b>	<b>345.27</b>	<b>5.61</b>	<b>-</b>	<b>5.71%</b>	<b>14.56</b>
	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

*Chauhan*(Name)  
2024-25 (20/03/2024)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL Vidyut Nigam Limited  
KHARA HYDRO POWER STATION

FY 2025-26

Sl.No.	Name of the Asset	Gross Block as on 31.03.2023 or as on COO	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation	Depreciation Amount
	(E)	(F)			(G)	4- Col.2 x Col.3
1	Land & Land Rights	0.40				
2	Temporary Structure				100.00%	
3	Buildings	8.75			5.54%	0.29
4	Hydraulic Works	149.03			5.83%	8.68
5	Other Civil works	2.53			5.54%	0.08
6	Plant & Machinery	87.83	11.64		5.83%	5.40
7	Lines, Cables, Networks Etc.				5.83%	
8	Vehicles	0.55			5.83%	0.03
9	Furniture & Fixtures	0.64			5.33%	0.04
10	Office Equipments	0.52			5.33%	0.03
11	Capital Spares of Generating Stations	0.42			5.83%	0.02
12	Electric Equipments				5.83%	
13	Survey Equipments				5.83%	
14	Tools & Tackles	0.14			5.83%	0.01
15	Electric Installation	0.00			5.83%	0.00
16	Steel Shuttering				5.83%	
17	Library Book	0.00			5.83%	0.00
18	Wooden Frames				100.00%	
19	Wireless Set				5.33%	
20	Computers	0.06			5.33%	0.00
	<b>TOTAL</b>	<b>250.88</b>	<b>11.64</b>		<b>5.71%</b>	<b>14.66</b>
	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.

Partitioner

*Manish*(Manish Singh)  
Jr. Engineer (Civil) (Retd.)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL Vidyut Nigam Limited  
KHARA HYDRO POWER STATION

FY 2026-27

Sl.No.	Name of the Asset*	Gross Block as on 31.03.2023 or as on COO	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation	Depreciation Amount
	(I)	(II)			(III)	As per Col.2 & Col.3
1	Land & Land Rights	0.46				
2	Temporary Structure				100.00%	-
3	Buildings	8.71			5.54%	0.25
4	Hydraulic Works	149.03			5.83%	8.68
5	Other Civil works	2.53			5.54%	0.08
6	Plant & Machinery	99.41	3.31		5.83%	5.90
7	Lines, Cables, Networks etc.				5.83%	-
8	Vehicles	0.55			5.83%	0.03
9	Furniture & Fixtures	0.64			6.33%	0.04
10	Office Equipments	0.52			6.33%	0.03
11	Capital Spares of Generating Stations	0.42			5.83%	0.02
12	Electric Equipments				5.83%	-
13	Subsidiary Equipments				5.83%	-
14	Tools & Tackles	0.14			5.83%	0.01
15	Electric Installation	0.00			5.83%	0.00
16	Steel Shuttering				5.83%	-
17	Library Book	0.00			5.54%	0.00
18	Wooden Frames				100.00%	-
19	Wireless Set				6.33%	-
20	Computers	0.05			6.33%	0.00
	<b>TOTAL</b>	<b>262.52</b>	<b>3.31</b>		<b>5.70%</b>	<b>15.10</b>
	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

*Chaitanya*  
 (Petitioner)  
 जय अहिंसाम (with self app)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
KHAMRA HYDRO POWER STATION

FY 2027-28

Sl. No.	Name of the Asset	Gross Block as on 31.03.2023 or as on COO	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation	Depreciation Amount
	(A)	(B)			(C)	As Col.2 * Col.3
1	Land & Land Rights	0.46				
2	Temporary Structure				100.00%	
3	Buildings	8.71			1.30%	0.25
4	Hydraulic Works	149.03			1.87%	8.65
5	Other Civil works	2.53			1.30%	0.08
6	Plant & Machinery	182.79	7.20		5.83%	6.20
7	Lines, Cables, Networks Etc.				5.83%	
8	Vehicles	0.55			5.83%	0.03
9	Furniture & Fixtures	0.64			6.33%	0.04
10	Office Equipments	0.52			6.33%	0.03
11	Capital Spares at Generating Stations	0.42			5.83%	0.02
12	Electric Equipments				5.83%	
13	Survey Equipments				5.83%	
14	Tools & Tackles	0.14			5.83%	0.01
15	Electric Installation	0.00			5.83%	0.00
16	Steel Shuttering				5.83%	
17	Library Book	0.00			5.83%	0.00
18	Wooden Frames				100.00%	
19	Wireless Set				6.33%	
20	Computers	0.05			6.33%	0.00
	<b>TOTAL</b>	<b>265.84</b>	<b>7.20</b>		<b>5.79%</b>	<b>15.43</b>
	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

*Chas. L. L.*  
(MGR) (MGR)  
जय अहिंसा (जय तेरा अंग)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationLIP JAL VIDYUT NIGAM LIMITED  
SHARA HYDRO POWER STATION

FY 2019-20

Sl.No.	Name of the Asset	Gross Block as on 31.03.2023 or as on COO	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CER's Depreciation	Depreciation Amount
	(1)	(2)			(3)	As Col.2 x Col.2
1	Land & Land Rights	0.46				
2	Temporary Structure	-			100.00%	-
3	Buildings	8.71			3.34%	0.29
4	Hydraulic Works	149.03			5.87%	8.63
5	Other Civil works	2.53			3.34%	0.08
6	Plant & Machinery	100.90			5.87%	5.91
7	Lines, Cables, Networks Etc.	-			5.87%	-
8	Vehicles	0.55			5.89%	0.03
9	Furniture & Fixtures	0.68			6.33%	0.04
10	Office Equipments	0.52			6.33%	0.03
11	Capital Spares at Generating Stations	0.42			5.87%	0.02
12	Electric Equipments	-			5.87%	-
13	Survey Equipments	-			5.87%	-
14	Tools & Tackles	0.14			5.87%	0.01
15	Electric Installation	0.00			5.87%	0.00
16	Steel Shuttering	-			5.87%	-
17	Library Book	0.00			5.87%	0.00
18	Wooden Frames	-			100.00%	-
19	Wireless Set	-			6.33%	-
20	Computers	0.05			6.33%	0.00
	<b>TOTAL</b>	<b>273.04</b>	-	-	<b>5.72%</b>	<b>15.62</b>
	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

*Char. Kulkarni*  
(Petitioner)  
For signature (with PAN copy)



## FORM-13 Calculation of Weighted Average Rate of Interest on Actual Loans

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

(Amount in Rs Lakh)

Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>Loan-1</b>		Nil				
Gross loan - Opening						
Cumulative repayments of loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
<b>Loan-2</b>						
Gross loan - Opening						
Cumulative repayments of loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
<b>Loan-3 and so on</b>						
Gross loan - Opening						
Cumulative repayments of loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
<b>Total loan</b>						
Cumulative repayments of loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Interest on loan						
Weighted average Rate of Interest on Loans						

Note:

1. In case of foreign loans, the calculations in Indian Rupees are to be furnished. However, the calculations in Original currency are also to be furnished separately in the same form.

Petitioner

*Chaitanya*  
(MCA 215)  
179, Sakinaka (179, Sakinaka)

## Calculation of interest on Normative Loan

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

(Amount in Rs Lakh)

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Gross Normative loan - Opening						
	Cumulative repayment of Normative loan upto previous year						
	Net Normative loan - Opening	0.00	0.00	1.14	10.06	0.38	10.24
	Add: Increase due to addition during the year / period	0.00	3.03	8.15	2.33	5.04	0.00
	Less: Repayment during the year	0.00	0.36	1.65	3.00	4.19	3.77
	Less: Decrease due to reversal during the year / period	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	0.00	3.56	10.06	5.38	16.24	4.97
	Average Normative loan	0.00	1.78	5.81	2.72	9.81	2.60
	Weighted average rate of interest	12.25%	12.25%	12.25%	12.25%	12.25%	12.25%
	Interest on loan	0.00	0.22	0.83	1.15	1.20	0.93

Petitioner

*Charit*(Name Sign)  
जय अहमदा (११०१ ११०१११)

## Calculation of Interest on Working Capital

Name of the Company  
Name of the Power StationLP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	O & M expenses for the year	12.85	13.47	14.07	14.70	15.35	16.04
	O & M Expenses	1.87	1.32	1.17	1.22	1.28	1.34
	Maintenance Spares	1.53	2.02	2.11	2.20	2.30	2.41
	Receivables	4.86	3.20	3.57	3.91	4.16	4.38
	Total Working Capital	7.87	6.35	6.85	7.84	7.74	8.12
	Rate of Interest	12.15%	12.15%	12.50%	12.50%	12.50%	12.50%
	Interest on Working Capital	0.95	0.77	0.86	0.92	0.97	1.02

Petitioner

*Chauhan*  
(Petitioner)  
2024 अधिवक्ता (सी/पी/एच/ए/ए)



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

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

Amount in Rs Lakh

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

Petitioner

*Checked*(Date) (Date)  
(Date) (Date)



Sl. No.	Draw Sheet Particulars	Quarter 1			Quarter 2			Quarter 3		
		Quantity in Foreign currency	Exchange Rate on draw sheet date	Amount in Indian Rupee (Rs Lakh)	Quantity in foreign currency	Exchange Rate on draw sheet date	Amount in Indian Rupee (Rs Lakh)	Quantity in Foreign currency	Exchange Rate on draw sheet date	Amount in Indian Rupee (Rs Lakh)
	Foreign Exchange Rate Variation									
	Working Cost									
1	Profit									
2	Interest Equity drawn									
3	Capital Equity drawn									
	Total Equity drawn									

Note:  
 1. Interest on debt and equity drawn or prepaid from quarter ends to meet the corresponding liability. Interest is higher equity in the beginning of period.  
 2. Applicable interest rates including bank rates and the market rate are to be furnished separately.  
 3. In case of bank and prepaid interest, it is to be furnished separately.

(Signature)

*Chai Lal*  
 (Name Sign)  
 300 अहमदाबाद (वॉलेज पोल अर्गा)

## Actual Cash Expenditure

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
KHARA HYDRO POWER STATION

(Amount in Rs. Lakh)

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

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

(Petitioner)

*Maishik*  
(Petitioner)  
३००० अंशुम (०१०० १०००००)

PART-I  
FORM-15 B

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

Name of the Company

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station :

EHARA HYDRO POWER STATION

Month	Unit	Design Energy	Designed Peaking Capability (MW)*
April	I		
	II		
	III		
	Total	31.64	
May	I		
	II		
	III		
	Total	32.70	
June	I		
	II		
	III		
	Total	31.64	
July	I		
	II		
	III		
	Total	32.70	
August	I		
	II		
	III		
	Total	32.70	
September	I		
	II		
	III		
	Total	31.64	
October	I		
	II		
	III		
	Total	32.70	
November	I		
	II		
	III		
	Total	31.64	
December	I		
	II		
	III		
	Total	32.70	
January	I		
	II		
	III		
	Total	32.70	
February	I		
	II		
	III		
	Total	29.53	
March	I		
	II		
	III		
	Total	32.70	

*Handwritten signature*  
 Petitioner (By)  
 Joint Petitioner (Shri. Jitendra Singh)

Petitioner

PART-I  
FORM- 15

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

Name of the Company

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station :

KHARA HYDRO POWER STATION

Month	Unit	Design Energy	Designed Peaking Capability (MW)*
April	I		
	II		
	III	NIL	
May	I		
	II		
	III		
June	I		
	II		
	III		
July	I		
	II		
	III		

*Shashi*  
Petitioner

(Name of the  
Petitioner (with signature))



# RIHAND HPS

## Tariff Filing Formats

*Handwritten signature*  
(संलग्न फ़ाइल)  
उत्तराखण्ड (संलग्न फ़ाइल)

## Summary Sheet

Name of the Company  
Name of the Power Station:  
Region

UP JAL VIDYUT NIGAM LIMITED  
BHAND HYDRO POWER STATION  
State: UTTAR PRADESH

S. No.	Particulars		2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	5	6	7	8
1.1	Depreciation	Rs Crore	5.58	11.00	11.39	11.50	11.87	12.24
1.2	Interest on Loan	Rs Crore	4.53	3.53	2.44	1.50	0.62	0.13
1.3	Return on Equity	Rs Crore	8.50	8.50	8.71	8.94	9.23	9.52
1.4	Interest on Working Capital	Rs Crore	2.02	2.19	2.32	2.41	2.49	2.59
1.5	O & M Expenses	Rs Crore	39.94	41.73	43.59	45.54	47.57	49.70
	<b>Total</b>		<b>60.63</b>	<b>67.01</b>	<b>68.26</b>	<b>69.88</b>	<b>71.78</b>	<b>74.18</b>

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

Petitioner

*Shashi*  
(Name Sign)  
जल विद्युत निगम (उत्तर प्रदेश)

## Statement Showing Claimed Capital Cost

Name of the Company  
Name of the Power Station :  
RegionUP JAL VIDYUT NIGAM LIMITED  
RIHAND HYDRO POWER STATION  
State: UTTAR PRADESH

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	<b>Opening Capital Cost</b>	<b>190.15</b>	<b>190.15</b>	<b>190.39</b>	<b>196.57</b>	<b>200.79</b>	<b>209.41</b>
	Add: Addition during the year / period	0.00	0.24	6.18	4.22	8.61	4.07
	Less: Decapitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Reversal during the year / period						
	Add: Discharges during the year / period						
	<b>Closing Capital Cost</b>	<b>190.15</b>	<b>190.39</b>	<b>196.57</b>	<b>200.79</b>	<b>209.41</b>	<b>213.48</b>
	Average Capital Cost	190.15	190.27	193.48	198.68	205.10	211.44

Petitioner

*(Signature)*  
 (Name)  
 UP Jal Vidyut Nigam Ltd

Statement Showing Return on Assets

Name of the Company:  
Name of the Power Station:  
Region:

UP Jal Vidyut Nigam Limited  
BHAND HYDRO POWER STATION  
State: UTTAR PRADESH

S. No.	Particulars	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7	8
	Opening Assets	57.06	57.06	57.53	58.91	66.25	63.98
	Add: Increase due to addition during the year / period	0.00	0.07	1.40	1.21	1.58	1.22
	Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Decrease due to transfer during the year / period						
	Add: Increase due to discharge during the year / period						
	Closing Assets	57.06	57.13	58.93	60.21	67.83	64.20
	Average Assets	57.06	57.10	58.96	59.61	65.50	63.45
	Rate of ROA	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%
	Return on Equity	8.50	8.50	8.75	8.94	9.25	9.52

Continued

*Shashi*  
(Name Sign)  
JPM Advisors (Pvt) Ltd. (CA No. 100)

## Details of COO, Type of hydro station, Normative Annual Plant Availability Factor (NAPAF) &amp; other normative parameters considered for tariff calculation

Name of the Company  
Name of the Power Station :UP JAL VIDYUT NIGAM LIMITED  
RIHAND HYDRO POWER STATION

	Unit	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Installed Capacity ( MW)	MW	300	300	300	300	300	300
Free power to home state	%	0	0	0	0	0	0
Date of commercial operation (actual/anticipated)							
a. Unit-1		1962	1962	1962	1962	1962	1962
b. Unit-2		1962	1962	1962	1962	1962	1962
c. Unit-3		1962	1962	1962	1962	1962	1962
d. Unit-3		1962	1962	1962	1962	1962	1962
e. Unit-3		1962	1962	1962	1962	1962	1962
f. Unit-3		1966	1966	1966	1966	1966	1966
Type of Station							
a) Surface/underground		Surface	Surface	Surface	Surface	Surface	Surface
b) Purely ROR/ Pondage/Storage		Storage	Storage	Storage	Storage	Storage	Storage
c) Peaking/non peaking		Peaking	Peaking	Peaking	Peaking	Peaking	Peaking
d) No. of hours of peaking							
e) Overload capacity(MW) & period							
Type of excitation							
a) Rotating exciters on generator		Static	Static	Static	Static	Static	Static
b) Static excitation		Static	Static	Static	Static	Static	Static
Design Energy (Annual)	MU	920	920	920	920	920	920
Auxiliary Consumption including Transformation losses	%	1%	1%	1%	1%	1%	1%
Normative Plant Availability Factor (NAPAF)	%	85%	85%	85%	85%	85%	85%
Maintenance Spares for WC	INR Crores	5.99	6.26	6.54	6.83	7.14	7.46
Receivables for WC	INR Crores	7.47	8.26	8.42	8.62	8.83	9.15
Base Rate of Return on Equity	%	15%	15%	15%	15%	15%	15%
SRF Base Rate + 350 basis points as on 2	%	12.25%	12.25%	12.25%	12.25%	12.25%	12.25%

Petitioner

*Mo. Ld.*  
(Name Print)  
2024-03-27 (07:54:23)

**Table: Features of Hydroelectric Project**

Name of the Company Name of the Power Station	OF AN INDENTIFIED POWER STATION OR AN UNIDENTIFIED POWER STATION
<b>1. Location</b>	
Name of the State	U.P./Jharkhand
Name of the District	Patna
<b>2. Reservoir</b>	
Area (Ha)	
Length (km)	
<b>3. Dam</b>	
Type	Concrete gravity
Maximum dam height (m)	100 feet
<b>4. Spillways</b>	
Type	
Number of spillways (No)	
<b>5. Reservoir</b>	
Full Reservoir Capacity (MCM)	1000 MCM
Minimum Reservoir Capacity (MCM)	100 MCM
Dead Storage (MCM)	100 MCM
<b>6. Drafting Chamber</b>	
Type	
Number and Size	
<b>7. Head Race Tunnel</b>	
Length (km)	
<b>8. Surge Shaft</b>	
Type	
Number (No)	
Height (m)	
<b>9. Penstock/Penstock shafts</b>	
Type	
Number & Length (km)	10 Nos/1000 feet
<b>10. Power House</b>	
Installed Capacity (No. of units & MW)	200 MW
Type of Turbine	Francis
Rated Head (m)	175 feet
Rated Discharge (cumecs)	100 cumecs
Head at Full Reservoir Level (m)	170 feet
Head at Minimum Reservoir Level (m)	160 feet
FW Capacity (MCM)	1000 MCM
FW Capacity (MCM)	
<b>11. Tail Race Tunnel/Channel</b>	
Number (No.) & Area	
Length (km)	
Minimum tail race level (m)	
<b>12. Switchyard</b>	
Type of Switchgear	
No. of poles (No.)	6
No. of busbars (No.)	7
No. of lines	20
Note: Specific location or generalised description (as per the project) or address of the project is to be provided.	
For further information, please contact the undersigned.	
Signature	

*Chandra Shekhar*  
(Name)  
10/10/2010 (Date)

## Details of foreign loans

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

UP JAL VIDYUT NIGAM LIMITED  
 BHANDI HYDRO POWER STATION

Name of the Company  
 Name of the Power Station  
 Exchange Rate at COO on 31.03.2004, whichever is later  
 Exchange Rate on 31.03.2014

Principal Year (Starting from COO)	Year 1			Year 2			Year 3					
	2	3	4	5	6	7	8	9	10	11	12	13
	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)	Date (Foreign Currency)	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)
Current <sup>1</sup>												
At the date of issue or at the beginning to the year of the period <sup>2</sup>												
Scheduled repayment date of principal												
Scheduled payment date of interest												
At the end of financial year												
In case of hedging												
At the date of hedging												
Period of hedging												
Cost of hedging												
Current <sup>2</sup>												
At the date of issue or at the beginning to the year of the period <sup>2</sup>												
Scheduled repayment date of principal												
Scheduled payment date of interest												
At the end of financial year												
In case of hedging												
At the date of hedging												
Period of hedging												
Cost of hedging												
Current <sup>3</sup> & so on												
At the date of issue or at the beginning to the year of the period <sup>2</sup>												
Scheduled repayment date of principal												
Scheduled payment date of interest												
At the end of financial year												

*Chaudhary*  
 (Member Secy)  
 27/03/2014 (10:55 AM)

Financial Year (Starting from 01/01)	Year 1			Year 2			Year 3					
	2	3	4	5	6	7	8	9	10	11	12	13
	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)
<p>1. Name of the currency to be measured e.g. US \$, DM, etc. etc.</p> <p>2. In case of more than one year during the year, Exchange rate at the date of each draw to be given.</p> <p>3. Foreign points of hedging, in case of more than one hedging during the year to give hedging details of each hedging also to be given.</p> <p>4. For such as unhedging (and) details as applicable including change in rates, date from which change effective etc. must be clearly indicated.</p>												

Page Number

*Chaitanya*  
 (with my)  
 10/10/2024 (20/10/2024)

## Details of Foreign Equity

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

UP JAL VIDYUT NIGAM LIMITED  
SHAMNO HYDRO POWER STATIONName of the Company  
Name of the Power Station  
Exchange Rate as on 31.03.2014

Financial Year (Starting from 01/01)	Year 1			Year 2			Year 3					
	2	3	4	5	6	7	8	9	10	11	12	13
Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)	Amount (Rs. Lakh)	Exchange Rate	Amount (Foreign Currency)	Amount (Rs. Lakh)	Exchange Rate	Amount (Foreign Currency)	Amount (Rs. Lakh)	Exchange Rate	Amount (Rs. Lakh)
Currency <sup>1</sup> At the date of infusion:												
Currency <sup>2</sup> At the date of infusion:												
Currency <sup>3</sup> & so on At the date of infusion:												

<sup>1</sup> Name of the currency to be mentioned e.g. US \$, DM, etc. etc.<sup>2</sup> 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.

*Chaitanya*

(Name Sign)

2014 reference (10/10/14/2014)

Petitioner

## Abstract of Admitted Capital Cost for the existing Projects

Name of the Company : UP JAL VIDYUT NIGAM LIMITED  
 Name of the Power Station : RIHAND HYDRO POWER PLANT

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)	
c	Foreign Exchange rate considered for the admitted Capital cost (Rs Lakh)	NIL
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)		
Petitioner		

*Usha Singh*  
 (Member Secy)  
 UP Jal Nigam (UPJN) (UPJN)

## Abstract of Capital Cost Estimates and Schedule of Commissioning for the New projects

Name of the Company: UP JAL VIDYUT NIGAM LIMITED  
Name of the Power Station: BIKANER HYDRO POWER STATION

New Projects: NIL  
Capital Cost Estimates:

Board of Director/ Agency approving the Capital cost estimates.

Date of approval of the Capital cost estimates.

Price level of approved estimates	Present Day Cost	Completed Cost
	As of End of _____ Qtr. Of the year	As on Scheduled COD of the Station
Foreign Exchange rate considered for the Capital cost estimates.		
<b>Capital Cost excluding IDC &amp; FC</b>		
Foreign Component, if any (In Million US \$ or the relevant Currency)	NIL	
Domestic Component (Rs. Cr.)		
<b>Capital cost excluding IDC &amp; FC (Rs. Cr.)</b>		
<b>IDC &amp; FC</b>		
Foreign Component, if any (In Million US \$ or the relevant Currency)		
Domestic Component (Rs. Cr.)		
<b>Total IDC &amp; FC (Rs. Cr.)</b>		
Rate of taxes & duties considered		
<b>Capital cost including IDC &amp; FC</b>		
Foreign Component, if any (In Million US \$ or the relevant Currency)		
Domestic Component (Rs. Cr.)		
<b>Capital cost including IDC &amp; FC (Rs. Cr.)</b>		

## Schedule of Commissioning

COD of Unit I/Block-I

COD of Unit II/Block-II

COD of Unit III/Block-III

Note:

- Copy of approval letter should be enclosed.
- Details of Capital cost are to be furnished as per FORM 5B or 5C as applicable.
- Details of IDC & Financing Charges are to be furnished as per FORM-5A.

Petitioner

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

Name of the Company :  
Name of the Power Station :UP JAL VIDYUT NIGAM LIMITED  
RIHAAD HYDRO POWER STATION

Sl.No.	Break Down	Cost in Rs. Crores		Liabilities/ Provisions (5)	Variation (Rs. Cr.)	Reasons for Variation
		As per original Estimates	As on COD (4)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>1.0</b>	<b>Infrastructure Works</b>					
1.1	Preliminary including Development					
1.2	Land					
1.3	R&R expenditure					
1.4	Buildings					
1.5	Township					
1.6	Maintenance					
1.7	Tools & Plants		Nil			
1.8	Communication					
1.9	Environment & Ecology					
1.10	Losses on stock					
1.11	Receipt & Recoveries					
1.12	<b>Total (Infrastructure )</b>					
<b>2.0</b>	<b>Major Civil Works</b>					
2.1	Dam, Intake & Desilting chambers					
2.2	ERT, TRT, Surge Shaft & Pressure shafts					
2.3	Power Plant civil works					
2.4	Other civil works (to be specified)					
2.5	<b>Total (Major Civil Works)</b>					
<b>3.0</b>	<b>Hydro Mechanical equipments</b>					
<b>4.0</b>	<b>Plant &amp; Equipment</b>					
4.1	Initial spares of Plant & Equipment					
4.2	<b>Total (Plant &amp; Equipment)</b>					
<b>5.0</b>	<b>Taxes and Duties</b>					
5.1	Custom Duty					
5.2	Other taxes & Duties					
5.3	<b>Total Taxes &amp; Duties</b>					
<b>6.0</b>	<b>Construction &amp; Precommissioning expenses</b>					
6.1	Erection, testing & commissioning					
6.2	Construction					
6.3	Site supervision					
6.4	<b>Total (Const. &amp; Precommissioning)</b>					
<b>7.0</b>	<b>Overheads</b>					
7.1	Establishment					
7.2	Design & Engineering					
7.3	Audit & Accounts					
7.4	Contingency					
7.5	Rehabilitation & Resettlement					

1/10/2016  
 (10/10/2016)  
 10/10/2016 (10/10/2016)

Sl.No.	Break Down	Cost in Rs. Crores		Liabilities/ Provisions (5)	Variation (Rs. Cr.)	Reasons for Variation
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Total (Overheads)					
8.0	Capital Cost without IDC, FC, FERV & Hedging Cost					
9.0	IDC, FC, FERV & Hedging Cost					
9.1	Interest During					
9.2	Financing Charges					
9.3	Foreign Exchange					
9.4	Hedging Cost					
9.5	Total of IDC, FC, FERV					
10	Capital cost including					

Note:

- 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.
- In case of both time & cost overrun, a detailed note giving reasons of such time and cost overrun should be submitted clearly bringing out the agency responsible and whether such time and cost overrun was beyond the control of the generating company.
- 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 capped COD, increase in IDC from scheduled COD to actual COD/anticipated COD and increase of IDC from scheduled COD to actual anticipated COD.
- 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.
- A list of balance work assets/work wise including initial spare on original scope of works along with estimate shall be furnished positively.

*Asit*  
\_\_\_\_\_  
Petitioner

(Maha Raj)  
200 200 200 (1000 1000)

## Break-up of Capital Cost for Plant &amp; Equipment (New Project)

Name of SE  
Name of SEUP DA VIDYUT NIGAM LTD DA  
BIRAND HYDRO POWER STATION

S. No.	Variable	Original Cost as approved by Authority/Institute or Approved (1)	Original Cost as approved by Authority/Institute or Approved (2)	Variation	Reason for Variation*
1	<b>Generator, Turbine &amp; Accessories</b>				
	Generator package				
	Turbine package				
	Control cabinet				
	CB package		Nil		
	Buy Out of IT contract				
	Total Generator, Turbine & Accessories				
2	<b>Auxiliary Electrical equipment</b>				
	Step up transformer				
	and Auxiliary Transformer				
	Control supply				
	Transformer				
	Station excitation				
	SCADA				
	Switchgear, Relays, DC Dist Board				
	Telecommunication equipment				
	Automation of Gov. Panel Switchyard				
	Cables & joints				
	Switches, grounding				
	Other generating sets				
	Total (Auxiliary Equip. & Services)				
3	<b>Auxiliary equipment &amp; services for power station</b>				
	Lift crane				
	Other crane				
	Electric lifts & elevators				
	Drinking water system				
	Drainage & Sewerage				
	WATER				
	Lighting equipment				
	Air conditioning				
	ventilator and heating				
	Water supply system				
	Drainage equipment				
	Workshop machines & equipment				
	Total (Auxiliary equip. & services for PS)				
4	Switchyard package				
5	Initial spares for all above equipments				
6	Total Cost (Plant & Equipment) including DC, AC, PWB & Hedging Cost				
7	<b>DC, AC, PWB &amp; Hedging Cost</b>				
	Interest During Construction (IDC)				
	Financing Charges (FC)				
	Contract Exchange Rate				
	Contingency (CWC)				
	Hedging Cost				
	Total of IDC, FC, PWB & Hedging Cost				
8	Total Cost (Plant & Equipment) including DC, AC, PWB & Hedging Cost				

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*For reference (info) not copy*



## In case there is cost over run

Name of the Company :

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station :

RINAND HYDRO POWER STATION

Sl.No.	Break Down	Cost in Rs. Crores		Variation( Rs. Cr.)	Reasons for Variation	Admitted Cost (Rs. Cr.)
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.0	Cost of Land & Site Development					
1.1	Land					
1.2	Rehabilitation & Rectification (R&R)					
1.3	Preliminary Investigation & Site development					
	Total Land & Site Development	0	0	0	0	0
2.0	Plant & Equipment					
2.1	Steam Turbine generator island					
2.2	Turbine Generator island					
2.3	BOP Mechanical					
2.3.1	Fuel Handling & Storage system					
2.3.2	External water supply system					
2.3.3	CW system					
2.3.4	Cooling Towers					
2.3.5	DM water Plant					
2.3.6	Clarification plant					
2.3.7	Chlorination Plant					
2.3.8	Air condition & Ventilation System					
2.3.9	Fire fighting system					
2.3.10	HP/IP Piping					
	Total BOP Mechanical	0	0	0	0	0
2.5	BOP Electrical					
2.5.1	Switch Yard Package					
2.5.2	Transformers package					
2.5.3	Switch gear Package					
2.5.4	Cable, Cable facilities & grounding					
2.5.5	Lighting					
2.5.6	Emergency D.G. set					
	Total BOP Electrical	0	0	0	0	0
2.6	C & I Package					
	Total Plant & Equipment excluding taxes & Duties					
2.7	Taxes and Duties					
2.7.1	Custom Duty					
2.7.2	Other Taxes & Duties					
	Total Taxes & Duties	0	0	0	0	0
	Total Plant & Equipment (with taxes & Duties)					
3.0	Initial spares					
4.0	Civil Works					
4.1	Main plant/Adm. building					
4.2	External water supply system					
4.3	CW system					
4.4	Cooling Towers					
4.5	DM water Plant					
4.6	Clarification plant					
4.7	Fuel handling & Storage system					
4.8	Township & Colony					
4.9	Temp. construction & enabling works					

Uman Kulkarni  
17/05/2017  
Senior Engineer (Civil & Electrical)

Sl.No.	Break Down	Cost in Rs. Crores		Variation( Rs. Cr.)	Reasons for Variation	Admitted Cost (Rs. Cr.)
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
4.10	Road & Drainage					
4.11	Fire Fighting system					
	<b>Total Civil works</b>	0	0	0	0	0
<b>5.0</b>	<b>Construction &amp; Pre- Commissioning Expenses</b>					
5.1	Erection Testing and commissioning					
5.2	Site supervision					
5.3	Operator's Training					
5.4	Construction Insurance					
5.5	Tools & Plant					
5.6	Start up fuel					
	<b>Total Construction &amp; Pre- Commissioning Expenses</b>	0	0	0	0	0
<b>6.0</b>	<b>Overheads</b>					
6.1	Establishment					
6.2	Design & Engineering					
6.3	Audit & Accounts					
6.4	Contingency					
	<b>Total Overheads</b>	0	0	0	0	0
<b>7.0</b>	<b>Capital cost excluding IDC &amp; FC</b>					
7.1	Interest During Construction (IDC)					
7.2	Financing Charges (FC)					
<b>8.0</b>	<b>Capital cost including IDC &amp; FC</b>					
<p>Note:</p> <p>Note: Impact on account of each reason for Cost overrun should be quantified and substantiated with necessary documents and supporting workings.</p>						
Petitioner						

*W. S. Kulkarni*  
 (Petitioner)  
 Petitioner (C/O M/s. SPS)

In case there is time over run

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
RIHAND HYDRO POWER STATION

Description of Activity/ Works/ Service	Original Schedule (As per Planning)		Actual Schedule (As per Actual)		Time Over- Run days	Reasons for delay	Other Activity effected (Mention S. No. of activity affected)
	Start Date	Completion Date	Actual Start Date	Actual Completion Date			
		Nil					

Petitioner

*Chaitanya*  
 (Name Sign)  
 Joint with Form (SEH) of SEH

## Financial Package upto COD

Name of the Company

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station

RIHAND HYDRO POWER STATION

Project Cost as on COD:

Date of Commercial Operation of the Station:

1	Financial Package as Approved Currency and Amounts		Financial Package as on COD Currency and Amounts		As Admitted on COD Currency and Amounts	
	2	3	4	5	6	7
Loan-I						
Loan-II			Nil			
Loan-III						
and so on						
Loan-						
Foreign						
Domestic						
Total loan(Rs)						
Equity-						
Foreign						
Domestic						
Total Equity (Rs)						
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. Provide details on commercial operation as on COD of each Unit
3. For example: US \$ 200m, etc.

Petitioner

*Chaitanya*  
 (Partner/Offg)  
 17th July 2017 (10:30 AM)

## Details of Project Specific Loans

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
RIHAND HYDRO POWER STATION

Particulars	Package1	Package2	Package3	Package4	Package5	Package6
1	2	3	4	5	6	7
Loan No.						
Source of loan						
Currency						
Amount of Loan sanctioned			Nil			
Amount of Gross Loan drawn upto 31.03.2014/COO						
Interest Type						
Fixed Interest Rate, if applicable						
Base Rate, if floating interest						
Margin, if floating interest						
Are there any Caps/Floor						
If above is yes specify caps/floor						
Moratorium Period						
Moratorium effective from						
Repayment Period						
Repayment effective from						
Repayment Frequency						
Repayment Installment						
Base Exchange Rate						

<sup>1</sup> Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMS, PNB, SBI, ICICI, IFC, etc.

<sup>2</sup> Currency refers to currency of loan such as US\$, DM, for Indian Rupee etc.

<sup>3</sup> Details are to be submitted as on 31.03.2014 for existing assets and as on COO for the remaining assets.

<sup>4</sup> Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

<sup>5</sup> If the loan in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.

<sup>6</sup> Interest type means whether the interest is fixed or floating.

<sup>7</sup> Base rate means the base as B/L, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawal may also be enclosed.

<sup>8</sup> Margin means the points over and above the floating rate.

<sup>9</sup> At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

<sup>10</sup> Moratorium period refers to the period during which loan servicing liability is not required.

<sup>11</sup> Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

<sup>12</sup> Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

<sup>13</sup> Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately.

<sup>14</sup> If the repayment installment amount and repayment date, can not be worked out from the data furnished above, the repayment schedule to be furnished separately.

<sup>15</sup> In case of foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given.

<sup>16</sup> Base exchange rate means the exchange rate prevailing as on 31.03.2014 for existing assets and as on COO for the remaining assets.

Petitioner





Statement of Additional Construction During Payment of Useful Life of the Project

Name of the Company  
Name of the Power Station

UP-16, 1000/11, 10000 KW (110)  
BANDHWA POWER STATION

Sl No.	Year	Work / Equipment added during last five years of useful life of each sub-station	Amount capitalized / Proposed to be capitalized (Rs. Lacs)	Sub-station	Impact on life extension
10	2011		01	01	00
1	2012-20		0.00		
2	2015-16		0.10		
3	2016-17	Details as Annexure I	0.20	Details as Annexure I	
4	2017-18		0.00		
5	2018-19		0.00		
		TOTAL	01.30		

Note:

1. All the items of construction added after start along with various purchase items being for the interests and the benefit of the project.

2. The value of items are purchase equipment and equipment. For the cost of each item should be indicated separately. E.g. Motor, 1000 KW, 10000 KW.

Page No. \_\_\_\_\_

*Chaitanya*  
(Name Sign)  
2024/01/10 (2024/01/10)

## Details of Assets De-capitalized during the period

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
BIHAND HYDRO POWER STATION

Sl.No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de- capitalization
(1)	(2)	(3)	(4)	(5)	
		NIL			
		TOTAL			

Note:

Year wise detail need to be submitted.

Petitioner

*Joshi*  
 (Petitioner)  
 77-36/2001 (10/11/2001)

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

Name of the Company  
Name of the Power Station:LIP JAL VIDYUT NIGAM LIMITED  
RIIHAND HYDRO POWER STATION

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
(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

Petitioner

*Chaitanya*  
(Maha Pita)  
JEE AIR 2020 (99th Spot Rank)

## Statement showing items/assets/works claimed under Exclusions

Name of the Company  
Name of the Power Station  
CODUP JAL VIDYUT NIGAM LIMITED  
RIHAND HYDRO POWER STATION

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.

Petitioner

*Usha Jais*  
 (Name Print)  
 JEEB SOB-2001 (07/01/2001)

## Statement of Capital cost (To be given for relevant dates and year wise)

Name of the Co  
Name of the PoUP JAL VIDYUT NIGAM LIMITED  
BHAND HYDRO POWER STATION

Amount in Rs. Lakh

S. No.	Variables	As on Relevant Date
<b>A</b>	Opening Gross Block Amount 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	NIL
	Amount of FERV in A(a) above	
	Amount of Hedging Cost in A(a) above	
	Amount of IDC in A(a) above	
<b>B</b>	Addition in Gross Block Amount during the period (Direct purchases)	
	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 IDC in B(a) above	
<b>C</b>	Addition in Gross Block Amount during the period (Transferred from CWIP)	
	Amount of capital liabilities in C(a) above	
	Amount of IDC in C(a) above	
	d) Amount of FC in C(a) above	
	e) Amount of FERV in C(a) above	
	f) Amount of Hedging Cost in C(a) above	
	g) Amount of IDC in C(a) above	
<b>D</b>	d) Deletion in Gross Block Amount 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 IDC in D(a) above	
<b>E</b>	e) Closing Gross Block Amount 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 IDC in E(a) above	

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

Performer

## Statement of Capital works in progress (To be given for relevant dates and year wise)

Name of the Co.  
Name of the Po:UP JAL VIDYUT NIGAM LIMITED  
BIHAND HYDRO POWER STATION

Amount in Rs. Lakh

S. No.	Variables	As on Relevant Date
<b>A</b>	Opening CWIP as per books	
	Amount of capital liabilities in A(a) above	NIL
	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 EDC in A(a) above	
<b>B</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 EDC in B(a) above	
<b>C</b>	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 EDC in C(a) above	
<b>D</b>	Deletion in CWIP during the period	
	i) Amount of capital liabilities in D(a) above	
	ii) Amount of IDC in D(a) above	
	iii) Amount of FC in D(a) above	
	iv) Amount of FERV in D(a) above	
	v) Amount of Hedging Cost in D(a) above	
	vi) Amount of EDC in D(a) above	
<b>E</b>	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 EDC in E(a) above	

*Handwritten signature*

(Name Sign)  
जल विद्युत निगम (एनपी जल विद्युत)

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

Petitioner

## Financing of Additional Capitalisation

Name of the Company  
Name of the Power Station  
Date of Commercial Operation

UP Jal Vidyut Nigam Limited  
BHOWAL HYDRO POWER STATION

Reviewed by M. L. Chak

Essential Year (Starting from 1955)	Actual					Subsidised					Year 2 in R. of Rs.	
	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		3	4	5	6							
Amount Capitalised as Work/Equipment												
Financing Details												
Loan-1												
Loan-2												
Loan 3 and so on												
Total Loan												
Grants												
Other (if any)												
Total												

Note:

1. Year 1 refers to the year of construction; 2. Year 3 etc. are the subsequent financial years respectively.  
2. Loan details for meeting the additional capitalisation requirements should be given as per FORM 7 of B and Form 8 is optional.

Chak

(Name)

Date (dd/mm/yyyy)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationLIP JAL VIDYUT NIGAM LIMITED  
BHAND HYDRO POWER STATION

(Amount in Rs Crores)

FY 2023-24

Sl.No.	Name of the Asset*	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 CER's Depreciation	Depreciation Amount
	(1)	(2)			(3)	4= Col.2 X Col.3
1	Land & Land Rights	0.00			-	-
2	Temporary Structure	-			2.5%	-
3	Buildings	1.70			2.5%	0.04
4	Hydraulic Works	28.62			1.80%	0.52
5	Other Civil works	1.60			2.5%	0.04
6	Plant & Machinery	151.00			2.5%	3.88
7	Lines, Cables, Networks Etc.	0.97			6.00%	0.06
8	Vehicles	5.88			18.00%	1.07
9	Furniture & Fixtures	0.13			6.00%	0.01
10	Office Equipments	0.15			6.00%	0.01
11	Capital Spares of Generating Stations	0.08			2.5%	0.00
12	Electric Equipments	-			2.5%	-
13	Survey Equipments	-			2.5%	-
14	Tools & Tackles	0.01			2.5%	0.00
15	Electric Insulation	0.00			3.3%	0.00
16	Steel Strucking	-			3.00%	-
17	Library Book	0.00			3.3%	0.00
18	Wooden Frames	-			18.00%	-
19	Wireless Set	-			3.00%	-
20	Computers	0.05			2.5%	0.00
	<b>TOTAL</b>	<b>190.15</b>	-	-	<b>2.93%</b>	<b>5.58</b>
	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



(सिंह)

मुख्य अभियन्ता (बॉटम एवं डैम)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
BHAND HYDRO POWER STATION

FY 2024-25

S.No.	Name of the Asset	Gross Block as on 31.03.2023 or as on COO	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation	Depreciation Amount
	[1]	[2]			[5]	As per Col 2 & Col 3
1	Land & Land Rights	0.05				
2	Temporary Structure	-			100.00%	
3	Buildings	1.70			3.34%	0.06
4	Hydro/E Works	28.62			5.83%	1.67
5	Other Civil works	1.69			5.54%	0.09
6	Plant & Machinery	151.00	0.24		5.83%	8.81
7	Lines, Cables, Networks Etc.	0.97			5.83%	0.06
8	Vehicles	5.96			5.83%	0.33
9	Furniture & Fixtures	8.13			6.33%	0.01
10	Office Equipments	0.15			6.33%	0.01
11	Capital Spares at Generating Stations	0.00			5.83%	0.00
12	Electric Equipments	-			5.83%	-
13	Survey Equipments	-			5.83%	-
14	Tools & Testers	0.01			5.83%	0.00
15	Electric Installation	0.00			5.83%	0.00
16	Steel Scaffolding	-			5.83%	-
17	Library Book	0.00			5.83%	0.00
18	Wooden Frames	-			100.00%	-
19	Wireless Set	-			6.33%	-
20	Computers	0.05			6.33%	0.00
	<b>TOTAL</b>	<b>190.15</b>	<b>0.24</b>		<b>5.78%</b>	<b>11.80</b>
	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.

FORWARD



(Anil Kumar)

मुख्य अभियंता (वीएचएस)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationLIP JAL VIDYUT NIGAM LIMITED  
BHAND HYDRO POWER STATION

FY 2025-26

S.No.	Name of the Asset	Gross Block as on 31.03.2018 or as on COB	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
1	Land & Land Rights	0.09				
2	Temporary Structure				100.00%	
3	Buildings	1.70			3.34%	0.06
4	Hydraulic Works	28.62			5.83%	1.67
5	Other Civil works	1.68			3.34%	0.06
6	Plant & Machinery	151.38	6.18		5.83%	9.00
7	Lines, Cables, Networks Etc.	0.97			5.83%	0.06
8	Vehicles	5.66			5.83%	0.33
9	Furniture & Fixtures	0.13			6.33%	0.01
10	Office Equipments	0.15			6.33%	0.01
11	Capital Spares of Generating Stations	0.08			5.83%	0.00
12	Electric Equipments				5.83%	
13	Survey Equipments				5.83%	
14	Tools & Tackles	0.07			5.83%	0.00
15	Electric Installation	0.00			5.83%	0.00
16	Steel Shuttering				5.83%	
17	Library Book	0.00			5.83%	0.00
18	Wooden Frames				100.00%	
19	Wireless Set				6.33%	
20	Computers	0.01			6.33%	0.00
	<b>TOTAL</b>	<b>190.35</b>	<b>6.18</b>		<b>5.78%</b>	<b>11.19</b>
	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

*(Signature)*  
 (सोमेश शर्मा)  
 मुख्य अधिकारी (एडीए एवं वसुध)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
BHAND HYDRO POWER STATION

FY 2026-27

Sl.No.	Name of the Asset*	Gross Block as on 31.03.2018 or as on COB	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per IIRC's Depreciation	Depreciation Amount
	(1)	(2)			(3)	4- Col.2 x Col.3
1.	Land & Land Rights	0.05			-	-
2.	Temporary Structure	-			100.00%	-
3.	Buildings	1.70			3.50%	0.06
4.	Hydraulic Works	28.62			5.83%	1.67
5.	Other Civil works	1.69			3.50%	0.06
6.	Plant & Machinery	117.42	4.22		5.83%	6.80
7.	Lines, Cables, Networks Etc.	0.93			5.83%	0.04
8.	Vehicles	5.84			5.83%	0.33
9.	Furniture & Fixtures	0.13			6.33%	0.01
10.	Office Equipments	0.15			6.33%	0.01
11.	Capital Loans at Generating Stations	0.08			5.83%	0.00
12.	Electric Equipments	-			5.83%	-
13.	Survey Equipments	-			5.83%	-
14.	Tools & Tackles	0.01			5.83%	0.00
15.	Electric Installation	0.00			5.83%	0.00
16.	Steel Shuttering	-			5.83%	-
17.	Library Book	0.00			5.83%	0.00
18.	Aluminum Frames	-			100.00%	-
19.	Wireless Set	-			6.33%	-
20.	Computers	0.05			6.33%	0.00
	<b>TOTAL</b>	<b>196.57</b>	<b>4.22</b>	<b>-</b>	<b>5.79%</b>	<b>11.58</b>
	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.

Authoriser

*Usha Kulkarni*(दिनेश सिंह)  
मुख्य अभियन्ता (पथी) एवं अड्डा

## Calculation of Depreciation

Name of the Company  
Name of the Power StationLIP JAL VIDYUT NIGAM LIMITED  
BHAND HYDRO POWER STATION

FY 2027-28

S.No.	Name of the Asset	Gross Block as on 31.03.2018 or as on COB	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CIRC's Depreciation	Depreciation Amount As Col 2 & Col 5
	(1)	(2)			(3)	
1	Land & Land Rights	0.00			-	-
2	Temporary Structure	-			100.00%	-
3	Buildings	1.70			1.34%	0.06
4	Hydraulic Works	28.62			1.87%	1.57
5	Other Civil works	1.60			1.34%	0.06
6	Plant & Machinery	163.64	8.61		1.83%	9.67
7	Lines, Cables, Networks etc.	0.97			1.83%	0.06
8	Vehicles	5.68			1.83%	0.11
9	Furniture & Fixtures	0.13			6.33%	0.01
10	Office Equipments	0.15			6.33%	0.01
11	Capital Spares at Generating Stations	0.08			1.83%	0.00
12	Electric Equipments	-			1.83%	-
13	Survey Equipments	-			1.83%	-
14	Tools & Tackles	0.01			1.83%	0.00
15	Electric Installation	0.00			1.83%	0.00
16	Steel Shuttering	-			1.83%	-
17	Library Book	0.00			1.83%	0.00
18	Wooden Frames	-			100.00%	-
19	Wireless Set	-			6.33%	-
20	Computers	0.00			6.33%	0.00
	<b>TOTAL</b>	<b>200.80</b>	<b>8.61</b>	<b>-</b>	<b>1.79%</b>	<b>11.87</b>
	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

*L. Das / s/s*

(Name of the)

गणतंत्रिय (विश्व) (विश्व) (विश्व)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
BHAND HYDRO POWER STATION

FY 2026-27

S.No.	Name of the Asset	Gross Block as on 31.03.2026 or as at COG	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CIRC's Depreciation	Depreciation Amount
	(1)	(2)			(3)	A- Col.2 & Col.3
1	Land & Land Rights	0.05				
2	Temporary Structure	-			100.00%	-
3	Buildings	1.70			3.34%	0.06
4	Hydraulic Works	28.62			5.83%	1.67
5	Other Civil works	1.69			3.34%	0.56
6	Plant & Machinery	170.76	4.07		5.83%	10.04
7	Lines, Cables, Networks Etc.	0.37			5.83%	0.06
8	Vehicles	3.86			5.83%	0.23
9	Furniture & Fixtures	0.13			6.33%	0.01
10	Office Equipments	0.15			6.33%	0.01
11	Capital Spares of Generating Stations	0.08			5.83%	0.00
12	Electric Equipments	-			5.83%	-
13	Survey Equipments	-			5.83%	-
14	Tools & Tackles	0.01			5.83%	0.00
15	Electric Installation	0.00			5.83%	0.00
16	Steel Shuttering	-			5.83%	-
17	Library Book	0.00			5.83%	0.00
18	Wasteen Frames	-			100.00%	-
19	Wireless Set	-			6.33%	-
20	Computers	0.05			6.33%	0.00
	<b>TOTAL</b>	<b>209.41</b>	<b>4.07</b>		<b>5.79%</b>	<b>12.24</b>
	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



(नीलम सिंह)

मुख्य अभियन्ता (सीड एवं अउड)

## Statement of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
BHAND HYDRO POWER STATION

(Amount in Rs. Lakh)

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Opening Capital Cost	190.15	190.15	190.39	195.57	206.78	209.83
	Closing Capital Cost	190.15	190.39	196.57	206.79	206.83	213.48
	Average Capital Cost	190.15	190.27	193.48	198.68	205.30	211.64
	Freshhold land						
	Rate of depreciation	2.93%	5.78%	5.78%	5.79%	5.79%	5.79%
	Depreciable value	171.14	171.24	174.13	178.81	184.50	190.50
	Balance useful life at the beginning of the period	33	32	31	30	9	8
	Remaining depreciable value	88.64	77.00	65.81	52.80	36.68	30.52
	Depreciation for the period	5.58	11.00	11.19	11.50	11.67	12.24
	Depreciation (Amortised)	5.58	11.00	11.19	11.50	11.87	12.24
	Cumulative depreciation at the end of the period	94.22	105.22	116.42	127.91	138.78	152.02
	Less: Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2009/Station COI						
	Less: Cumulative depreciation adjustment on account of de-capitalisation						
	Net Cumulative depreciation at the end of the period	94.22	105.22	116.42	127.91	138.78	152.02

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

Petitioner

*Chaitanya*  
(सिने सिने)  
पुस्तक विक्रेता (पॉपुलर बुक्स)

## FORM-13 Calculation of Weighted Average Rate of Interest on Actual Loans

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
BHAND HYDRO POWER STATION

(Amount in Rs Lakh)

Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>Loan-1</b>		Nil				
Gross loan - Opening						
Cumulative repayments of loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of interest on Loan on annual basis						
Interest on loan						
<b>Loan-2</b>						
Gross loan - Opening						
Cumulative repayments of loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of interest on loan on annual basis						
Interest on loan						
<b>Loan-3 and so on</b>						
Gross loan - Opening						
Cumulative repayments of loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of interest on Loan on annual basis						
Interest on loan						
<b>Total Loan</b>						
Cumulative repayments of loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of loans during the year						
Net loan - Closing						
Average Net Loan						
Interest on loan						
Weighted average Rate of interest on loans						

*(Signature)*  
 (Name)  
 (Designation)

## Note:

- In case of Foreign loans, the calculations in Indian Rupees are to be furnished. However, the calculations in Original currency are also to be furnished separately in the same form.

Petitioner

## Calculation of Interest on Normative loan

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
RIHAND HYDRO POWER STATION

(Amount in Rs Lakhs)

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Gross Normative loan - Opening						
	Cumulative repayment of Normative loan upto previous year						
	Net Normative loan - Opening	39.78	38.20	21.36	16.50	7.95	2.12
	Add: Increase due to addition during the year / period	0.00	0.17	4.33	3.96	6.03	2.85
	Less: Repayment during the year	1.50	11.00	11.15	11.50	11.87	4.97
	Less: Decrease due to reversal during the year / period	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	38.28	27.37	14.54	7.96	2.12	0.00
	Average Normative loan	36.09	28.78	19.93	12.23	5.04	1.06
	Weighted average rate of interest	12.25%	17.75%	12.25%	12.25%	12.25%	12.25%
	Interest on Loan	4.53	5.03	2.44	1.50	0.62	0.13

Petitioner

*Usha Anand*

(सीनियर डीप)

युवा अधिकारी (सीनियर एवं जूनियर)

## Calculation of Interest on Working Capital

Name of the Company  
Name of the Power StationUPJAL VIDYUT NIGAM LIMITED  
BHAND HYDRO POWER STATION

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	<b>O &amp; M expenses for the year:</b>	<b>36.94</b>	<b>41.73</b>	<b>43.50</b>	<b>45.54</b>	<b>47.57</b>	<b>49.70</b>
	O & M Expenses	3.31	3.40	3.63	3.72	3.76	4.14
	Maintenance Spares	5.90	6.25	5.54	6.83	7.14	7.86
	Receivables	7.47	8.78	8.42	8.62	8.83	9.15
	<b>Total Working Capital</b>	<b>16.78</b>	<b>18.00</b>	<b>18.59</b>	<b>19.24</b>	<b>19.93</b>	<b>20.74</b>
	Rate of Interest	12.00%	12.10%	12.50%	12.50%	12.50%	12.50%
	<b>Interest on Working Capital</b>	<b>2.01</b>	<b>2.19</b>	<b>2.32</b>	<b>2.41</b>	<b>2.49</b>	<b>2.59</b>

Petitioner:

*Usha Kishor*

(रक्षक सिने)

मुख्य अधिकारी (सीईओ एवं अड्डा)

## Other Income as on COO

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
RIHAND HYDRO POWER STATION

[Amount in Rs Lakh]

S. No.	Particulars	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1.	Interest on loans and advances						
2.	Interest received on deposits						
3.	Income from investment		Nil				
4.	Income from sale of stock						
5.	Rebate for timely payment						
6.	Surcharge on late payment from beneficiaries						
7.	Rent from residential building						
8.	Misc. receipts (Please specify Details)						

Petitioner

*Umas Kulkarni*

(सिनेस सिने)

पुस्तक विक्रेता (पति) एवं मजदूर

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

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
RIHAND HYDRO POWER STATION

Amount in Rs Lakh

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

Petitioner

*(Signature)*  
(Name Here)  
पुनः अधीन (वर्ग 13D अंतर्गत)

## Draw Down Schedule for Calculation of IDC &amp; Floating Charges

Name of the Applicant  
Name of the Government StationUP-20, DGTCL, NEAM JAMUI  
BHAAD HROAD ROHARI STATION

Sl. No.	Draw Down Particulars	Quarter 1			Quarter 2			Quarter 3 (2001)		
		Quantity in Foreign Currency	Rate on draw down date	Amount in Indian Rupee (Rs. Lakhs)	Quantity in Foreign Currency	Rate on draw down date	Amount in Indian Rupee (Rs. Lakhs)	Quantity in Foreign Currency	Rate on draw down date	Amount in Indian Rupee (Rs. Lakhs)
1	IDC									
2	Foreign Loans									
2.1	Foreign Loans									
	Draw down Amount									
	IDC									
	Fluctuation Charges									
	Foreign Exchange Rate Variation									
	Working Cost									
2.2	Foreign Loans									
	Draw down Amount									
	IDC									
	Fluctuation Charges									
	Foreign Exchange Rate Variation									
	Working Cost									
2.3	Foreign Loans									
	Draw down Amount									
	IDC									
	Fluctuation Charges									
	Foreign Exchange Rate Variation									
	Working Cost									
2.4										
3	Total Foreign Loans									
	Draw down Amount									
	IDC									
	Fluctuation Charges									
	Foreign Exchange Rate Variation									
	Working Cost									
4	Indian Loans									
4.1	Indian Loans									
	Draw down Amount			Amount						
	IDC									
	Fluctuation			Fluctuation						
4.2	Indian Loans									
	Draw down Amount									
	IDC									
	Fluctuation			Fluctuation						
4.3	Indian Loans									
	Draw down Amount			Amount						
	IDC									
	Fluctuation			Fluctuation						
4.4										
5	Total Indian Loans									
	Draw down Amount			Amount						
	IDC									
	Fluctuation			Fluctuation						
6	Total of Loans drawn									
	IDC									
	Fluctuation charges									

Handwritten signature  
(Name)  
Date

Sl. No.	Draw Down Particulars	Quarter 1			Quarter 2			Quarter 3 (Q3)		
		Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs. Lakhs)	Quantum in foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs. Lakhs)	Quantum in foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs. Lakhs)
	Foreign Exchange Rate Variation									
	Interest									
	Principal									
1	Equity									
2	Foreign equity drawn									
3	Indian equity drawn									
	Interest									
	Dividend									

Notes:  
1. Interest on debt and equity shall be on pro-rata basis as per rates to be used for computing interest. Details of pattern to be used for computing is provided.  
2. Applicable interest rates including multiple rates for draw down transactions may be furnished separately.  
3. Details of draw down amount along with explanation is to be furnished.

(Signature)

  
 (Name in Hindi)  
 युवा अधिकारी (सी/सी एन/एड)

## Actual Cash Expenditure

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
RIHAND HYDRO POWER STATION

(Amount in Rs. Lakh)

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

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

[Petitioner]


(संकेत सिद्ध)  
मुखा अधिवक्ता (पॉल एंड कानून)

PART-I  
FORM-11 B

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

Name of the Company  
Name of the Power Station :

UP JAL VIDYUT NIGAM LIMITED  
BHANDI HYDRO POWER STATION

Month	Unit	Design Energy	Designed Peaking Capability (MW)*
April	I		
	II		
	III		
	Total	75.67	
May	I		
	II		
	III		
	Total	78.14	
June	I		
	II		
	III		
	Total	75.67	
July	I		
	II		
	III		
	Total	78.14	
August	I		
	II		
	III		
	Total	78.14	
September	I		
	II		
	III		
	Total	75.67	
October	I		
	II		
	III		
	Total	78.14	
November	I		
	II		
	III		
	Total	75.67	
December	I		
	II		
	III		
	Total	78.14	
January	I		
	II		
	III		
	Total	78.14	
February	I		
	II		
	III		
	Total	78.58	
March	I		
	II		
	III		
	Total	78.14	

*(Handwritten signature)*

(Name)  
पदाधिकारी (उप नि. उपा. उपा. उपा. उपा.)

Petitioner:

PART-I  
FORM- 15

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

Name of the Company

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station :

RIHAND HYDRO POWER STATION

Month	Unit	Design Energy	Designed Peaking Capability (MW)*
April	I		
	II		
	III	NIL	
May	I		
	II		
	III		
June	I		
	II		
	III		
July	I		
	II		
	III		

Petitioner

*(Handwritten Signature)*  
(संकेत स्थिति)  
मुख्य अधिकारी (सीएच एवं प्रभु)



# MATATILA HPS

## Tariff Filing Formats

*Matatila*  
(संकेत निधि)  
पुस्तक प्रकाशक (पुस्तक प्रकाशक)

## Summary Sheet

Name of the Company  
Name of the Power Station :  
RegionUP JAL VIDYUT NIGAM LIMITED  
MATATLA HYDROPOWER PLANT  
State: UTTAR PRADESH

S. No.	Particulars		2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	5	6	7	8
1.1	Depreciation	Rs Crore	0.77	1.20	1.37	1.55	1.69	1.85
1.2	Interest on loan	Rs Crore	0.06	0.04	0.13	0.21	0.22	0.29
1.3	Return on Equity	Rs Crore	0.95	1.01	1.14	1.27	1.38	1.53
1.4	Interest on Working Capital	Rs Crore	0.41	0.44	0.48	0.51	0.53	0.56
1.5	O & M Expenses	Rs Crore	8.87	9.28	9.72	10.17	10.65	11.14
	<b>Total</b>		<b>11.01</b>	<b>11.98</b>	<b>12.83</b>	<b>13.71</b>	<b>14.46</b>	<b>15.36</b>

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

Petitioner

*Charak*(निमित्त सिद्ध)  
मुख्य अधिकारी (पीपी एवं अगु) )

## Statement Showing Claimed Capital Cost

Name of the Company  
Name of the Power Station :  
RegionUP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDRONPOWER PLANT  
State: UTTAR PRADESH

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Opening Capital Cost	21.09	21.09	23.76	26.77	29.84	31.56
	Add: Addition during the year / period	0.00	2.67	3.01	3.07	1.72	3.85
	Less: Decapitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Reversal during the year / period						
	Add: Discharges during the year / period						
	Closing Capital Cost	21.09	23.76	26.77	29.84	31.56	35.41
	Average Capital Cost	21.09	22.43	25.37	28.31	30.70	33.49

Petitioner

*Ujjwal Singh*  
(संलग्न तिथि)  
मुख्य अभियन्ता (पीएच एन जलुए)

## Statement Showing Return on Equity

Name of the Company  
Name of the Power Station  
RegionUP JAL VIKAS NIGAM LIMITED  
MIRATOLA HYDROPOWER PLANT  
State: UTTAR PRADESH

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Opening Equity	6.73	6.73	7.12	8.03	8.91	9.47
	Add: Increase due to addition during the year / period	0.00	0.00	0.90	0.92	0.12	1.15
	Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Decrease due to reversal during the year / period						
	Add: Increase due to change during the year / period						
	Closing Equity	6.73	7.73	8.02	8.95	9.07	10.67
	Average Equity	6.33	6.74	7.50	8.49	9.21	10.06
	Rate of ROE	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%
	Return on Equity	0.90	1.00	1.00	1.27	1.38	1.53

Particulars

*Chaitanya*(सीएम डीएम)  
मुख्य अधिकारी (एच/ए एवं अडिटर)

Details of COB, Type of hydro station, Normative Annual Plant Availability Factor (NAFAF) & other normative parameters considered for tariff calculation

UP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDROPOWER PLANT

Name of the Company :  
Name of the Power Station :

	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Installed Capacity (MW)	30.60	30.60	30.60	30.60	30.60	30.60
Free power to home state	% 0	0	0	0	0	0
Date of commercial operation (actual/anticipated)						
a. Unit-1	26-02-1965	26-02-1965	26-02-1965	26-02-1965	26-02-1965	26-02-1965
b. Unit-2	02-06-1965	02-06-1965	02-06-1965	02-06-1965	02-06-1965	02-06-1965
c. Unit-3	03-09-1965	03-09-1965	03-09-1965	03-09-1965	03-09-1965	03-09-1965
Type of Station						
a) Surface/underground	Surface	Surface	Surface	Surface	Surface	Surface
b) Purely ROR/ Furdages/Storage	Storage	Storage	Storage	Storage	Storage	Storage
c) Peaking/non-peaking	Non-Peaking	Non-Peaking	Non-Peaking	Non-Peaking	Non-Peaking	Non-Peaking
d) No. of hours of peaking						
e) Overload capacity(MW) & period						
Type of excitation						
a) Rotating exciters on generator	Static	Static	Static	Static	Static	Static
b) Static excitation	Static	Static	Static	Static	Static	Static
Design Energy (Annual)	MU 123	279	279	279	279	279
Auxiliary Consumption including Transformation losses	% 1	1	1	1	1	1
Normative Plant Availability Factor (NAFAF)	% 85	85	85	85	85	85
Manufacture spares for WC	INR Crores 1.33	1.19	1.44	1.53	1.60	1.67
Revisions for WC	INR Crores 1.42	1.48	1.58	1.69	1.78	1.85
Base Rate of Return on Equity	% 12.05%	15%	15%	15%	15%	15%
SB- Base Rate = 350 basis points as on 2	% 12.05%	12.11%	12.50%	12.50%	12.50%	12.50%

Petitioner

Eminent Features of Hydroelectric Project		PART I FORM 1
Name of the Company		UPAL VIDYUT NIGAM LIMITED
Name of the Power Station		MADATLA HYDROPOWER PLANT
<b>1. Location</b>		
State/Zone	AP/Kalyan	
Area	Aditya	
<b>2. Reservoir/Tunnel</b>		
Type, shape		
Length (M)		
<b>3. Dam</b>		
Type	Masonry dam - Rankin type with embankments on either side	
Maximum dam height (M)	100 feet	
<b>4. Spillway</b>		
Type		
Control of spillway (M)		
<b>5. Penstock</b>		
Full Reservoir level (FRL) (M)	127 feet	
Minimum Clear Water level (MFWL) (M)		
Penstock (M) (M)	4000 to 5000 feet	
<b>6. Drafting/Generator</b>		
Type		
Number and size		
Particulars to be entered below		
<b>7. Head Race Tunnel</b>		
Type and shape		
Length (M)		
Design draft height (meters)		
<b>8. Turbine/Generator</b>		
Type		
Generator (M)		
Height (M)		
<b>9. Penstock/Pressure shaft</b>		
Type		
Number & length (M)		
<b>10. Power House</b>		
Structure capacity (M) (M) (M)	500 (to 1000 MW)	
Type of turbine	vertical shaft Kaplan turbine	
Particulars (M)		
Water discharge (M)		
Head at Full Reservoir level (M)	100 feet	
Head at Minimum Clear Water level (M)	80 feet	
WHL capacity (M)	1000 MW	
WHL capacity of (M)		
<b>11. Tail Race Tunnel/Channel</b>		
Dimension (M) (M)	25 x 100 (meters)	
Length (M)	1000 feet	
Minimum tail water level (M)	80 feet	
<b>12. Drafting/Generator</b>		
Type of draft of gas		
No. of generator sets	2	
No. of the capacity (M)	2	
No. of the sets	2	
Note: Specify conditions to generate during specific time periods in respect of withdrawal of water due to regulation, draft of water, industrial, agricultural, residential use.		

*(Handwritten Signature)*  
 (Date) (Time)  
 युवा अधिकारी (विद्युत एवं अर्थ)



Financial Year (Starting from 0000)	Year 1			Year 2			Year 3					
	2	3	4	5	6	7	8	9	10	11	12	13
	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)
<p>Name of the currency to be mentioned e.g. US\$, DM, etc. etc.</p> <p>1. Incase of more than one deal during the year, exchange rate at the date of each deal to be given.</p> <p>2. 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.</p> <p>3. The book is self-explanatory but details in applicable including change in rates, date from which change effective etc. shall be clearly indicated.</p>												

Particulars

*Chaitanya*  
 (Signature)  
 ज्ञान अध्यापक (विश्व विद्यापीठ)

## Details of Foreign Equity

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

UP JAL VIDYUT NIGAM LIMITED  
MATATRA HYDROPOWER PLANTName of the Company  
Name of the Project/Station  
Exchange Rate as on 31.03.2014

Financial Year (Starting from 000)

1	Year 1			Year 2			Year 3			Year 4			Year 5			
	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)	Exchange Rate	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?	NIL															
at the date of infusion																
Currency?																
at the date of infusion																
Currency? & so on																
at the date of infusion																

Name of the currency to be mentioned (e.g. US \$, DM, etc. etc.)  
Furnish details of foreign, in case of more than one foreign, details of each foreign are to be given

*Chaitanya*  
(Date filled)  
जय श्रीगणेश (११/०३/२०१४)

## Abstract of Admitted Capital Cost for the existing Projects

Name of the Company :

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station :

MATATILA HYDRONPOWER PLANT

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)	
c	Foreign Exchange rate considered for the admitted Capital cost (Rs Lakh)	NIL
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)	
Petitioner		

  
 (निर्देशक)  
 ऊर्जा अधिकांश (राज्य एवं राष्ट्रीय)

## Abstract of Capital Cost Estimates and Schedule of Commissioning for the New projects

Name of the Company : UP JAL VIDYUT NIGAM LIMITED  
 Name of the Power Station : MATATLA HYDROPOWER PLANT

New Projects : Nil  
 Capital Cost Estimates :

Board of Director/ Agency approving the Capital cost estimates:

Date of approval of the Capital cost estimates:

Price level of approved estimates	Present Day Cost	Completed Cost
	As of End of _____ Qtr. Of the year _____	As on Scheduled COD of the Station
Foreign Exchange rate considered for the Capital cost estimates		
<b>Capital Cost excluding IDC &amp; FC</b>		
Foreign Component, if any (in Million US \$ or the relevant Currency)	NIL	
Domestic Component (Rs. Cr.)		
<b>Capital cost excluding IDC &amp; FC (Rs. Cr.)</b>		
<b>IDC &amp; FC</b>		
Foreign Component, if any (in Million US \$ or the relevant Currency)		
Domestic Component (Rs. Cr.)		
<b>Total IDC &amp; FC (Rs. Cr.)</b>		
Rate of taxes & duties considered		
<b>Capital cost including IDC &amp; FC</b>		
Foreign Component, if any (in Million US \$ or the relevant Currency)		
Domestic Component (Rs. Cr.)		
<b>Capital cost including IDC &amp; FC (Rs. Cr.)</b>		

**Capital Cost excluding IDC & FC****IDC & FC****Capital cost including IDC & FC****Schedule of Commissioning**

COD of Unit (i/Block -)

COD of Unit (ii/Block -)

COD of last Unit/Block

*Chaitanya*  
 (Signature)  
 उपायुक्त निदेशक (सिंधु परियोजना)

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 5A.

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

Name of the Company :

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station :

NATATILA HYDROPOWER PLANT

Sl.No.	Break Down	Cost in Rs. Crores		Liabilities/ Provisions (5)	Variation (Rs. Cr.)	Reasons for Variation
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.0	Infrastructure Works					
1.1	Preliminary including Development					
1.2	Land					
1.3	R&D expenditure					
1.4	Buildings					
1.5	Towship					
1.6	Maintenance					
1.7	Tools & Plants		NIL			
1.8	Communication					
1.9	Environment & Ecology					
1.10	Losses on stock					
1.11	Receipt & Recoveries					
1.12	Total (Infrastructure )					
2.0	Major Civil Works					
2.1	Dam, intake & Desilting chambers					
2.2	HRT, TRT, Surge Shaft & Pressure shafts					
2.3	Power Plant civil works					
2.4	Other civil works (to be specified)					
2.5	Total (Major Civil Works)					
3.0	Hydro Mechanical equipments					
4.0	Plant & Equipment					
4.1	Initial spares of Plant & Equipment					
4.2	Total (Plant & Equipment)					
5.0	Taxes and Duties					
5.1	Custom Duty					
5.2	Other taxes & Duties					
5.3	Total Taxes & Duties					
6.0	Construction & Precommissioning expenses					
6.1	Erection, testing & commissioning					
6.2	Construction					
6.3	Site supervisor					
6.4	Total (Const. & Precommissioning)					
7.0	Overheads					
7.1	Establishment					
7.2	Design & Engineering					
7.3	Audit & Accounts					
7.4	Contingency					
7.5	Rehabilitation & Resettlement					

  
 (संकेत स्थिति)  
 प्रमुख अधिकारी (संकेत एवं प्रमाण)

Sl.No.	Break Down	Cost in Rs. Crores		Liabilities/ Provisions (5)	Variation (Rs. Cr.)	Reasons for Variation
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Total (Overheads)					
8.0	Capital Cost without IDC, FC, FERV & Hedging Cost					
9.0	IDC, FC, FERV & Hedging Cost					
9.1	Interest During					
9.2	Financing Charges					
9.3	Foreign Exchange					
9.4	Hedging Cost					
9.5	Total of IDC, FC, FERV					
10	Capital cost including					
<p>Note:</p> <ol style="list-style-type: none"> <li>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 ailing company</li> <li>In case of both time &amp; 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.</li> <li>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 cited COD, increase in IDC from scheduled COD to actual COD/anticipated COD and increase of IDC from scheduled COD to actual anticipated COD.</li> <li>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.</li> <li>A list of balance work assets/work wise including initial spare on original scope of works along with estimate shall be furnished positively.</li> </ol>						
Petitioner						

  
 (संकेत मीले)  
 ज्ञान अधिका (संकेत मीले)





In case there is cost over run

Name of the Company :  
Name of the Power Station :UP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDROPOWER PLANT

Sl.No.	Break Down	Cost in Rs. Crores		Variation( Rs. Cr.)	Reasons for Variation	Admitted Cost (Rs. Cr.)
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.0	Cost of Land & Site Development					
1.1	Land					
1.2	Rehabilitation & Resettlement (R&R)					
1.3	Preliminary Investigation & Site development					
	Total Land & Site Development	0	0	0	0	0
2.0	Plant & Equipment					
2.1	Steam Turbine generator island					
2.2	Turbine Generator Island					
2.3	BOP Mechanical					
2.3.1	Fuel handling & Storage system					
2.3.2	External water supply system					
2.3.3	CW system					
2.3.4	Cooling Towers					
2.3.5	DM water Plant					
2.3.6	Clarification plant					
2.3.7	Chlorination Plant					
2.3.8	Air condition & Ventilation System					
2.3.9	Fire fighting system					
2.3.10	HP/LP Piping					
	Total BOP Mechanical	0	0	0	0	0
2.4	BOP Electrical					
2.5.1	Switch Yard Package					
2.5.2	Transformers package					
2.5.3	Switch gear Package					
2.5.4	Cable, Cable Facilities & grounding					
2.5.5	Lighting					
2.5.6	Emergency D.C. set					
	Total BOP Electrical	0	0	0	0	0
2.6	C & I Package					
	Total Plant & Equipment excluding taxes & Duties					
2.7	Taxes and Duties					
2.7.1	Custom Duty					
2.7.2	Other Taxes & Duties					
	Total Taxes & Duties	0	0	0	0	0
	Total Plant & Equipment(with taxes & Duties)					
3.0	Initial spares					
4.0	Civil Works					
4.1	Main plant/Adm. Building					
4.2	External water supply system					
4.3	CW system					
4.4	Cooling Towers					
4.5	DM water Plant					
4.6	Clarification plant					
4.7	Fuel Handling & Storage system					
4.8	Township & Colony					
4.9	Temp. construction & enabling works					

  
 (Name)  
 पुष्प अशोक (पिता का अंग)

Sl.No.	Break Down	Cost in Rs. Crores		Variation (Rs. Cr.)	Reasons for Variation	Admitted Cost (Rs. Cr.)
		As per original Estimates	As on COB			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
4.10	Road & Drainage					
4.11	Fire fighting system					
	<b>Total Civil works</b>	0	0	0	0	0
<b>5.0</b>	<b>Construction &amp; Pre-Commissioning Expenses</b>					
5.1	Erection Testing and commissioning					
5.2	Site supervision					
5.3	Operator's Training					
5.4	Construction insurance					
5.5	Tools & Plant					
5.6	Start up fuel					
	<b>Total Construction &amp; Pre-Commissioning Expenses</b>	0	0	0	0	0
<b>6.0</b>	<b>Overheads</b>					
6.1	Establishment					
6.2	Design & Engineering					
6.3	Audit & Accounts					
6.4	Contingency					
	<b>Total Overheads</b>	0	0	0	0	0
<b>7.0</b>	<b>Capital cost excluding IDC &amp; FC</b>					
7.1	Interest During Construction (IDC)					
7.2	Financing Charges (FC)					
<b>8.0</b>	<b>Capital cost including IDC &amp; FC</b>					
<p>Note:</p> <p>Note: Impact on account of each reason for Cost overrun should be quantified and substantiated with necessary documents and supporting workings.</p>						
Petitioner						

  
 (मीनेर गिल)  
 मुख्य अधिकारी (सीएच एवं एमएच)



## Financial Package upto COD

Name of the Company  
Name of the Power Station  
Project Cost as on COD  
Date of Commercial Operation of the Station:

UP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDRONPOWER PLANT

1	Financial Package as Approved		Financial Package as on COD		As Admitted on COD	
	Currency and Amount		Currency and Amount		Currency and Amount	
	2	3	4	5	6	7
Loan-I						
Loan-II			Nil			
Loan-III						
and so on						
Loan						
Foreign						
Domestic						
Total loan(Rs)						
Equity						
Foreign						
Domestic						
Total Equity(Rs)						
Debt : Equity Ratio						

1. Say Rs. 80 Cr. + 255 200 m or Rs. 1320 Cr. including US\$ 200 m at an exchange rate of US\$-Rs62.
2. Provide details on commercial operation as on COD of each line.
3. For example: US \$ 200m, etc.

Petitioner

*(Signature)*  
(Name)  
एन.ए.सी. (एन.ए.सी. एन.ए.सी.)

## Details of Project Specific Loans

Name of the Company  
Name of the Power Station:UP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDROPOWER PLANT

Particulars	Package1	Package2	Package3	Package4	Package5	Package6
1	2	3	4	5	6	7
Loan No.						
Source of Loan						
Currency						
Amount of Loan sanctioned			Nil			
Amount of Gross Loan drawn upto 31.03.2014/COO						
Interest Type						
Fixed Interest Rate, if applicable						
Base Rate, if floating interest						
Margin, if floating interest						
Are there any Caps/Floor						
If above is yes, specify caps/floor						
Moratorium Period						
Moratorium effective from						
Repayment Period						
Repayment effective from						
Repayment Frequency						
Repayment Installment						
Base Exchange Rate						

Source of loan means the agency from which the loan has been taken such as WB, ADB, WMR, PMR, IBR, ICCL, BIL, IFC etc.

Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

Details are to be submitted as on 31.03.2014 for existing assets and as on COO for the remaining assets.

Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.

Interest type means whether the interest is fixed or floating.

Base rate means the loan as PLR, LIBOR etc., over which the margin is to be added. Applicable base rate on different dates from the date of draw may also be enclosed.

Margin means the points over and above the floating rate.

At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

Moratorium period refers to the period during which loan servicing liability is not required.

Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately.

If the repayment installment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished separately.

In case of foreign loan date of each drawal & repayment alongwith exchange rate at that date may be given.

Base exchange rate means the exchange rate prevailing as on 31.03.2004 for existing assets and as on COO for the remaining assets.

*V. Mohan Rao*  
 Director (Finance)

उप निदेशक (वित्त एवं अकाउंट्स)





## Statement of Additional Capitalisation during lag end of useful life of the Project

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
MATATLA HYDROPOWER PLANT

Sl.No.	Year	Work / Equipment added during last five years of useful life of each Unit/Station	Amount capitalised	Justification	Impact on life extension
(1)	(2)	(3)	(4)	(5)	(6)
1	2024-25	Details as per Annexure-4	2.67	Details as per Annexure-4	
2	2025-26		3.01		
3	2026-27		3.07		
4	2027-28		1.72		
5	2028-29		3.85		
		<b>TOTAL</b>	<b>14.32</b>		

Note:  
1. Fill the form in chronological order year wise along with detailed justification clearly bring out the necessity and the benefits accruing to the beneficiaries.

2. In case initial spares are purchased along with any equipment, then the cost of such spares should be indicated separately. e.g. Motor - 10 Crs. Initial

Petitioner



(प्रीति सिंह)

मुख्य अभियन्ता (पी० ए० एन०)



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

Name of the Company  
Name of the Power StationLJP JAL VIDYUT NIGAM LIMITED  
METATIKA HYDROPOWER PLANT

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
(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.

Petitioner

*(Signature)*  
 (Name of the  
 Petitioner) (Date and Place)



Statement of Capital cost  
(To be given for relevant dates and year wise)Name of the Co.  
Name of the Po:UP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDROPOWER PLANT

Amount in Rs. Lakh

S. No.	Variables	As on Relevant Date
A	Opening Gross Block Amount 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	Nil
	Amount of FERV in A(a) above	
	Amount of Hedging Cost in A(a) above	
	Amount of RDC in A(a) above	
B	Addition in Gross Block Amount during the period (Direct purchases)	
	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 RDC in B(a) above	
C	Addition in Gross Block Amount during the period (Transferred from CWP)	
	Amount of capital liabilities in C(a) above	
	Amount of IDC in C(a) above	
	(i) Amount of FC in C(a) above	
	(ii) Amount of FERV in C(a) above	
	(iii) Amount of Hedging Cost in C(a) above	
	(iv) Amount of RDC in C(a) above	
D	(a) Deletion in Gross Block Amount during the period	
	(i) Amount of capital liabilities in D(a) above	
	(ii) Amount of IDC in D(a) above	
	(iii) Amount of FC in D(a) above	
	(iv) Amount of FERV in D(a) above	
	(v) Amount of Hedging Cost in D(a) above	
	(vi) Amount of RDC in D(a) above	
E	(a) Closing Gross Block Amount 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 RDC in E(a) above	

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

Petitioner

(Signature)

उपल अभियंता (पी० एन० अ०)

Statement of Capital works in progress  
(To be given for relevant dates and year wise)

Name of the Co:

UP JAL VIDYUT NIGAM LIMITED

Name of the Po:

MATATILA HYDRONPOWER PLANT

Amount in Rs. Lakh

S. No.	Variables	As on Relevant Date
<b>A</b>	Opening CWP as per books	
	Amount of capital liabilities in A(a) above	NIL
	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 EDC in A(a) above	
<b>B</b>	Addition in CWP 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 EDC in B(a) above	
<b>C</b>	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 EDC in C(a) above	
<b>D</b>	Deletion in CWP 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 EDC in D(a) above	
<b>E</b>	Closing CWP 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 EDC 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

Petitioner (Signature)

23/05/2020



## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDROPOWER PLANT

(Amount in Rs Crore)

FY 2023-23

S.No.	Name of the Asset	Gross Block as on 31.03.2018 or as on COB	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation	Depreciation Amount
	(1)	(2)			(5)	4 = Col 2 x Col 5
1	Land & Land Rights	0.02			-	-
2	Temporary Structure	-			25.7%	-
3	Buildings	0.36			25.7%	0.01
4	Hydraulic Works	6.29			1.80%	0.11
5	Other Civil works	2.76			25.7%	0.07
6	Plant & Machinery	8.53			25.7%	0.22
7	Lines, Cables, Networks Etc.	0.29			4.00%	0.02
8	Vehicles	1.74			18.00%	0.31
9	Furniture & Fixtures	0.05			6.00%	0.00
10	Office Equipments	0.05			6.00%	0.00
11	Capital Spares at Generating Stations	0.02			25.7%	0.00
12	Electric Equipments	-			25.7%	-
13	Survey Equipments	-			25.7%	-
14	Tools & Tackles	0.01			25.7%	0.00
15	Electric Installations	0.00			25.7%	0.00
16	Steel Scaffolding	-			1.80%	-
17	Library Book	0.00			25.7%	0.00
18	Wooden Frames	-			18.00%	-
19	Wireless Set	-			3.00%	-
20	Computers	-			25.7%	-
	<b>TOTAL</b>	<b>21.08</b>	<b>-</b>	<b>-</b>	<b>3.67%</b>	<b>0.77</b>
	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



(फॉर्म 11)

मुख्य अधिकारी (सीई एवं एड्यू)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDROPOWER PLANT

FY 2024-25

S.No.	Name of the Asset	Gross Block as on 31.03.2024 or as on LOU	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 & Col.3
1	Land & Land Rights	0.02				
2	Temporary Structure	-			100.00%	
3	Buildings	0.36			5.54%	0.01
4	Hydroelectric Works	6.77			1.83%	0.17
5	Other Civil works	3.76			3.54%	0.13
6	Plant & Machinery	8.52	2.67		5.83%	0.57
7	Lines, Cables, Networks etc.	0.29			5.83%	0.02
8	Vehicles	1.74			5.83%	0.10
9	Furniture & Fixtures	0.03			5.83%	0.00
10	Office Equipments	0.05			5.83%	0.00
11	Capital Spares at Generating Stations	0.02				
12	Electric Equipments	-			5.83%	
13	Survey Equipments	-			5.83%	
14	Tools & Tackles	0.01			5.83%	0.00
15	Electric Installation	1.00			5.83%	0.00
16	Steel Shuttering	-			5.83%	
17	Library Book	0.00			100.00%	0.00
18	Wooden Frames	-			6.33%	
19	Wireless Set	-			6.33%	
20	Computers	-			6.33%	
	<b>TOTAL</b>	<b>21.09</b>	<b>2.67</b>		<b>5.83%</b>	<b>1.20</b>
	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.

Position:

*Charak*  
 (सिनेस सिने)  
 मुख्य अधिकारी (सी० एवं ए०)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDROPOWER PLANT

FY 2025-26

Sl.No.	Name of the Asset	Gross Block as on 31.03.2024 or as on COB	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation [1]	Depreciation Amount 4= Col 2 X Col 3
1	Land & Land Rights	0.07				
2	Temporary Structure				100.00%	
3	Buildings	0.36			3.34%	0.01
4	Hydraulic Works	6.29			5.80%	0.37
5	Other Civil works	3.76			3.34%	0.13
6	Plant & Machinery	11.19	3.01		5.80%	0.74
7	Lines, Cables, Networks Etc.	0.29			5.80%	0.02
8	Vehicles	1.74			5.80%	0.10
9	Furniture & fixtures	0.01			5.70%	0.00
10	Office Equipments	0.05			4.30%	0.00
11	Capital Spares at Generating Stations	0.02			5.80%	0.00
12	Electric Equipments	-			5.80%	-
13	Survey Equipments	-			5.80%	-
14	Tools & Tackles	0.01			5.80%	0.00
15	Electric Insulation	0.00			5.80%	0.00
16	Steel Shuttering	-			5.80%	-
17	Library Book	0.00			5.80%	0.00
18	Wooden Frames	-			100.00%	-
19	Wireless Set	-			5.30%	-
20	Computers	-			5.30%	-
	<b>TOTAL</b>	<b>23.77</b>	<b>3.01</b>	<b>-</b>	<b>5.42%</b>	<b>1.37</b>
	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

*(Signature)*  
(सिनेस मिया)  
मुख्य अभियन्ता (पट्टा एवं अड्डा)

## Calculation of Depreciation

Name of the Company  
Name of the Power Station:UP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDROPOWER PLANT

FY 2026-27

Sl. No.	Name of the Asset	Gross Block as on 31.03.2018 or as on COO	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation [1]	Depreciation Amount 4= Col.2 X Col.3
	(i)	(ii)			(ii)	
1	Land & Land Rights	0.02				
2	Temporary Structure				100.00%	
3	Building	0.36			3.30%	0.01
4	Hydraulic Works	6.71			5.00%	0.37
5	Other Civil works	3.70			3.30%	0.13
6	Plant & Machinery	14.20	3.07		5.00%	0.97
7	Lines, Cables, Networks Etc.	0.29			5.00%	0.02
8	Vehicles	1.74			5.00%	0.10
9	Furniture & Fixtures	0.03			6.30%	0.00
10	Office Equipments	0.05			6.30%	0.00
11	Capital Spares at Generating Stations	0.02			3.00%	0.00
12	Electric Equipments	-			5.00%	-
13	Survey Equipments	-			5.00%	-
14	Tools & Tackles	0.03			5.00%	0.00
15	Electric Installation	0.00			5.00%	0.00
16	Steel Shuttering	-			5.00%	-
17	Library Book	0.00			5.00%	0.00
18	Wooden Frames	-			100.00%	-
19	Wireless Set	-			5.30%	-
20	Computers	-			6.30%	-
	<b>TOTAL</b>	<b>26.76</b>	<b>3.07</b>		<b>5.00%</b>	<b>1.55</b>
	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

*(Signature)*  
(सिंह गिरी)  
मुख्य अभियंता (पीएच एड अफिस)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationLIP SAL VIDYUT NISAM LIMITED  
MATATLA HYDROPOWER PLANT

FY 2027-28

S. No.	Name of the Asset <sup>1</sup>	Gross Block as on 31.03.2028 or as on COB	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation	Depreciation Amount
	(1)	(2)			(5)	4= Col 2 x Col 5
1	Land & Land Right	0.07				
2	Temporary Structure				100.00%	
3	Buildings	0.36			3.34%	0.01
4	Hydraulic Works	6.26			5.83%	0.37
5	Other Civil works	8.76			3.34%	0.13
6	Plant & Machinery	17.27	1.72		5.83%	1.06
7	Lines, Cables, Networks Etc.	0.29			5.83%	0.02
8	Vehicles	1.74			5.83%	0.10
9	Furniture & Fixtures	0.03			6.33%	0.00
10	Office Equipments	0.05			6.33%	0.00
11	Capital Spares of Generating Stations	0.07			5.83%	0.00
12	Electric Equipments				5.83%	
13	Survey Equipments				5.83%	
14	Tools & Tackles	0.01			5.83%	0.00
15	Electric Installation	0.00			5.83%	0.00
16	Steel Shuttering				5.83%	
17	Library Book	0.00			5.83%	0.00
18	Wooden Frames				100.00%	
19	Wireless Set				6.33%	
20	Computers				6.33%	
	<b>TOTAL</b>	<b>26.85</b>	<b>1.72</b>		<b>5.49%</b>	<b>1.48</b>
	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

*M. S. Kulkarni*  
(सिनेटिंग ऑफिस)  
पुनर्व्यवस्थापक (सिनेटिंग एवं अडमिनिस्ट्रेशन)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
MATATIHA HYDROPOWER PLANT

FY 2025-26

Sl.No.	Name of the Asset	Gross Block as on 31.03.2025 or as on COC	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rate as per CERC's Depreciation	Depreciation Amount
	[1]	[2]			[3]	4- Col.2 x Col.3
1	Land & Land Rights	0.03				
2	Temporary Structure				100.00%	
3	Buildings	0.36			5.00%	0.01
4	Hydraulic works	6.25			5.00%	0.31
5	Other Civil works	3.71			5.00%	0.19
6	Plant & Machinery	18.91	3.85		5.00%	1.22
7	Lines, Cables, Networks Etc.	0.25			5.00%	0.01
8	Vehicles	1.74			5.00%	0.09
9	Furniture & Fixtures	0.03			5.00%	0.00
10	Office Equipments	0.01			5.00%	0.00
11	Capital Issues at Generating Stations	0.02			5.00%	0.00
12	Electric Equipments				5.00%	
13	Survey Equipments				5.00%	
14	Tools & Tackles	0.01			5.00%	0.00
15	Electric Installation	0.00			5.00%	0.00
16	Steel Shuttering				5.00%	
17	Library Book	0.00			5.00%	0.00
18	Wooden Frames				100.00%	
19	Wireless Set				5.00%	
20	Computers				5.00%	
	<b>TOTAL</b>	<b>31.57</b>	<b>3.85</b>		<b>5.02%</b>	<b>1.85</b>
	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

*Manish*  
(सिनेम सिनेम)  
मुख्य अधिकारी (परिचालन एवं मनुष्य)

## Statement of Depreciation

Name of the Company  
Name of the Power StationLIP JAL VIDYUT NIGAM LIMITED  
MATATGA HYDROPOWER PLANT

(Amount in Rs Crores)

S. No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
	Opening Capital Cost	21.09	21.09	23.76	26.77	28.84	31.56
	Closing Capital Cost	21.09	23.76	26.77	28.84	31.56	35.41
	Average Capital Cost	21.09	22.43	25.27	28.31	30.70	33.49
	Residual land						
	Rate of depreciation	5.67%	5.37%	5.42%	5.46%	5.49%	5.52%
	Depreciable value	18.98	20.38	22.14	25.48	27.63	30.14
	Balance useful life at the beginning of the period	33	32	31	30	29	28
	Remaining depreciable value	17.57	18.40	19.75	22.12	23.75	26.55
	Depreciation for the period	0.77	1.20	1.37	1.55	1.69	1.86
	Depreciation (annualized)	0.77	1.20	1.37	1.55	1.69	1.86
	Cumulative depreciation at the end of the period	5.78	6.98	8.35	9.90	11.59	13.44
	Less: Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2005/Various CDO						
	Less: Cumulative depreciation adjustment on account of de-capitalization						
	Net Cumulative depreciation at the end of the period	5.78	6.98	8.35	9.90	11.59	13.44

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

Petitioner

*(Signature)*  
(सिनेम सिने)  
मुख्य अधिकारी (परिचालन विभाग)

## FORM-13 Calculation of Weighted Average Rate of Interest on Actual Loans

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
MATATLA HYDROPOWER PLANT

(Amount in Rs Lakh)

Particulars	Existing 2011-14	2014-15	2015-16	2016-17	2017-18	2018-19
<b>Loan-1</b>		Nil				
Gross loan - Opening						
Cumulative repayments of loans upto previous year						
Net loan - Opening	-	-	-	-	-	-
Add Drawals during the year						
Less: Repayment (s) of loans during the year						
Net loan - Closing	-	-	-	-	-	-
Average Net Loan	-	-	-	-	-	-
Rate of Interest on loan on annual basis						
Interest on loan	-	-	-	-	-	-
<b>Loan-2</b>						
Gross loan - Opening						
Cumulative repayments of loans upto previous year						
Net loan - Opening	-	-	-	-	-	-
Add Drawals during the year						
Less: Repayment (s) of loans during the year						
Net loan - Closing	-	-	-	-	-	-
Average Net Loan	-	-	-	-	-	-
Rate of Interest on loan on annual basis						
Interest on loan	-	-	-	-	-	-
<b>Loan-3 and so on</b>						
Gross loan - Opening						
Cumulative repayments of loans upto previous year						
Net loan - Opening	-	-	-	-	-	-
Add Drawals during the year						
Less: Repayment (s) of loans during the year						
Net loan - Closing	-	-	-	-	-	-
Average Net Loan	-	-	-	-	-	-
Rate of Interest on loan on annual basis						
Interest on loan	-	-	-	-	-	-
<b>Total Loan</b>						
Gross loan - Opening						
Cumulative repayments of loans upto previous year						
Net loan - Opening	-	-	-	-	-	-
Add Drawals during the year						
Less: Repayment (s) of loans during the year						
Net loan - Closing	-	-	-	-	-	-
Average Net Loan	-	-	-	-	-	-
Interest on loan	-	-	-	-	-	-
Weighted average Rate of Interest on loans						

## Note:

1. In case of foreign loans, the calculations in Indian Rupees are to be furnished. However, the calculations in original currency are also to be furnished separately in the same form.

Petitioner

## Calculation of Interest on Normative Loan

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
MATATELA HYDROPOWER PLANT

(Amount in Rs Crores)

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Gross Normative loan - Opening						
	Cumulative repayment of Normative loan upto previous year						
	Net Normative loan - Opening	0.00	0.00	0.67	1.40	2.05	2.52
	Add: Increase due to addition during the year / period	0.00	1.87	2.31	2.51	3.21	2.60
	Less: Repayment during the year	0.00	1.30	1.37	1.55	1.69	0.94
	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
	Add: Increase due to discharge during the year / period						
	Net Normative loan - Closing	0.00	0.67	1.40	2.00	3.52	3.28
	Average Normative loan	0.00	0.19	1.09	1.70	2.76	2.40
	Weighted average rate of interest	12.25%	12.25%	12.25%	12.25%	12.25%	12.25%
	Interest on Loan	0.00	0.08	0.13	0.21	0.33	0.29

Petitioner

*Usha Kishor*

(सीकेएस एल)

मुख्य अधिकारी (पीपीए एवं एमएड)

## Calculation of Interest on Working Capital

Name of the Company  
Name of the Power StationLIP LAI VIDYUT NIGAM LIMITED  
MATATLA HYDROPOWER PLANT

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	O & M expenses for the year	0.87	0.28	0.72	10.17	10.65	11.14
	O & M Capexes	0.74	0.77	0.81	0.85	0.89	0.93
	Maintenance Spares	1.13	1.29	1.40	1.51	1.60	1.67
	Reservables	1.42	1.48	1.54	1.60	1.78	1.85
	Total Working Capital	3.49	3.64	3.85	4.06	4.26	4.49
	Rate of interest	12.25%	12.15%	12.50%	12.50%	12.50%	12.50%
	Interest on Working Capital	0.43	0.44	0.48	0.51	0.53	0.56

Petitioner

*Chaitanya*  
(Signature)  
मुख्य अधिकारी (पीएचएस)

## Other Income as on COD

Name of the Company  
Name of the Power StationLIP SAL VIDYUT NIGAM LIMITED  
MATATELA HYDROPOWER PLANT

(Amount in Rs Lakh)

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	Interest on loans and advances						
2	Interest received on deposits						
3	Income from investments		Nil				
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)						
	(cont)						

Petitioner

*Chaitanya*  
(निवेदन दाता)  
जय अविनाश (श्री १३ अ३०)

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

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDRONPOWER PLANT

Amount in Rs Lakh

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

Petitioner


(नाम लिखें)  
— अधिकारी (पत्रिका के अंग)

**Draw Down Schedule for Calculation of DE & Floating Charge**  
(Part I, Section 17, Schedule III, 1956)  
**वित्तिक एवं वित्तिकीय विवरण**

Name of the Particular

Name of the Government/State

Sl. No.	Draw Down Particular	Quarter 1 (2000)		Quarter 2 (2000)		Quarter 3 (2000)				
		Quantity in Foreign Currency	Exchange Rate on Draw Down Date	Amount in Indian Rupee (Rs. Lakh)	Quantity in Foreign Currency	Exchange Rate on Draw Down Date	Amount in Indian Rupee (Rs. Lakh)	Quantity in Foreign Currency	Exchange Rate on Draw Down Date	Amount in Indian Rupee (Rs. Lakh)
1	Draw Down									
2	Foreign Loans									
3	Foreign Loans									
4	Foreign Loans									
5	Foreign Loans									
6	Foreign Loans									
7	Foreign Loans									
8	Foreign Loans									
9	Foreign Loans									
10	Foreign Loans									
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70	Foreign Loans									
71	Foreign Loans									
72	Foreign Loans									
73	Foreign Loans									
74	Foreign Loans									
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97	Foreign Loans									
98	Foreign Loans									
99	Foreign Loans									
100	Foreign Loans									

*Handwritten signature*  
 (Date) \_\_\_\_\_  
 गणतंत्रिय (१०० वरु २०१०)

Sl. No.	Date Sheet Description	Quarter 1			Quarter 2			Quarter 3		
		Quantum in Foreign Currency	Exchange Rate on date shown above	Amount in Indian Rupee (Rs. Lakh)	Quantum in Foreign Currency	Exchange Rate on date shown above	Amount in Indian Rupee (Rs. Lakh)	Quantum in Foreign Currency	Exchange Rate on date shown above	Amount in Indian Rupee (Rs. Lakh)
	Foreign Debt									
	Equity									
	Foreign equity shown									
	Indian equity shown									
	Two years interest									

Note:  
 1. Gross debt and equity shall be as per the date shown above to show the contribution of foreign. Gross of higher equity in the beginning is permitted.  
 2. Apply the interest rate including most date on the above computation may be furnished accordingly.  
 3. Reserve should not played below of capitalization rate used to be furnished.

(Signature)

*Shri. L. K.*  
 (Signature)  
 ज्ञान प्रतिष्ठान (पंजीत एवं अज्ञान)

## Actual Cash Expenditure

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDRONPOWER PLANT

(Amount in Rs. Lakh)

Particulars	Quarter-I	Quarter-II	Quarter-III	Quarter-IV (COO)
Payments to contractors / suppliers				
Intangible assets				
% of fund deployment		NIL		

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

(Petitioner)

*Shri. Lalit*

(Name Print)

जल विद्युत निगम (एन.ए.ए.ए.)

PART-I  
FORM- 13 B

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

Name of the Company

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station :

MATATIYA HYDROPOWER PLANT

Month	Unit	Design Energy	Designed Peaking Capability (MW)*
April	I		
	II		
	III		
	Total	10.11	
May	I		
	II		
	III		
	Total	10.45	
June	I		
	II		
	III		
	Total	10.11	
July	I		
	II		
	III		
	Total	10.45	
August	I		
	II		
	III		
	Total	10.45	
September	I		
	II		
	III		
	Total	10.11	
October	I		
	II		
	III		
	Total	10.45	
November	I		
	II		
	III		
	Total	10.11	
December	I		
	II		
	III		
	Total	10.45	
January	I		
	II		
	III		
	Total	10.45	
February	I		
	II		
	III		
	Total	9.88	
March	I		
	II		
	III		
	Total	10.45	

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(सिद्धांत सिंह)

अधीक्षक (सिद्धांत सिंह एवं अशुभ)

Petitioner

PART-I  
FORM- 15 B

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

Name of the Company

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station :

MATATILA HYDRONPOWER PLANT

Month	Unit	Design Energy	Designed Peaking Capability (MW)*
April	I		
	II	NIL	
	III		
May	I		
	II		
	III		
June	I		
	II		
	III		
July	I		
	II		
	III		
			Petitioner

*Usha Kulkarni*  
(सिनेटिंग)  
मुख्य अधिकारी (पीएच एंड एमएच)

## Liability Flow Statement

Name of the Company

UP JAL VIDYUT NIGAM LIMITED  
MATATILA HYDRONPOWER PLANT

Party	Asset/Work	Year of Actual Capitalisation	Original Liability	Liability as on 31.03.2014	Discharges (Yearwise)	Reversal (Yearwise)
	Nil					

Petitioner

*Ujjwal Kishor*  
(Petitioner)  
याच अधिकार (पति) राखण

# Upper Ganga Canal SHP's Tariff Filing Formats

*Shri. S. S. S.*  
(श्री. एस. एस. एस.)  
मुख्य अधिकारी (परिचालन एवं अर्थ)

## Summary Sheet

Name of the Company  
Name of the Power Station :  
RegionUP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATION  
State: UTTAR PRADESH

S. No.	Particulars		2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	5	6	7	8
1.1	Depreciation	Rs Crore	0.25	0.20	0.00	0.00	0.00	0.00
1.2	Interest on Loan	Rs Crore	0.01	0.00	0.00	0.00	0.00	0.00
1.3	Return on Equity	Rs Crore	0.17	0.17	0.17	0.17	0.17	0.17
1.4	Interest on Working Capital	Rs Crore	0.46	0.48	0.57	0.54	0.56	0.59
1.5	O & M Expenses	Rs Crore	10.40	10.86	11.35	11.86	12.39	12.94
	<b>Total</b>		<b>11.29</b>	<b>11.72</b>	<b>12.03</b>	<b>12.56</b>	<b>13.12</b>	<b>13.70</b>

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

Petitioner

*Charit*(सीकर सिंह)  
मुख्य अधिकारी (पीएच एस अग्रुप)

## Statement Showing Claimed Capital Cost

Name of the Company UP JAL VIDYUT NIGAM LIMITED  
 Name of the Power Station : UGC HYDRO POWER STATION  
 Region State: UTTAR PRADESH

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Opening Capital Cost	3.68	3.68	3.68	3.68	3.68	3.68
	Add: Addition during the year / period	0.00	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	0.00
	Less: Reversal during the year / period						
	Add: Discharges during the year / period						
	Closing Capital Cost	3.68	3.68	3.68	3.68	3.68	3.68
	Average Capital Cost	3.68	3.68	3.68	3.68	3.68	3.68

Petitioner

*Shashi*  
 (Name Sign)  
 जल विभाग (ए/उ एड अडो)

## Statement Showing Return on Equity

Name of the Company  
Name of the Power Station:  
Region:UP JAL VYAPYUT NIGAM LIMITED  
UGC HYDRO POWER STATION  
STATE: UTTAR PRADESH

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Opening Equity	1.30	1.30	1.30	1.30	1.30	1.30
	Add: Increase due to addition during the year / period	0.00	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	0.00
	Less: Decrease due to reversal during the year / period						
	Add: Increase due to discharge during the year / period						
	Closing Equity	1.30	1.30	1.30	1.30	1.30	1.30
	Average Equity	1.30	1.30	1.30	1.30	1.30	1.30
	Rate of ROE	11.00%	11.00%	11.00%	11.00%	11.00%	11.00%
	Return on Equity	0.17	0.17	0.17	0.17	0.17	0.17

Particulars

*Charan Kumar*  
(Charan Kumar)  
जल अधिकारी (गति एवं अर्थ)

PART-1  
FORM-2

Details of COD, Type of hydro station, Normative Annual Plant Availability Factor (NAPAF) &amp; other normative parameters considered for tariff calculation

Name of the Company UP JAL VIDYUT NIGAM LIMITED  
Name of the Power Station : UGC HYDRO POWER STATION

	Unit	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Installed Capacity (MW)	MW	13.7	13.7	13.7	13.7	13.7	13.7
Free power to home state	%	0	0	0	0	0	0
Date of commercial operation (actual/anticipated)							
a. Nirgaxini Power Station	Unit-1	1937	1937	1937	1937	1937	1937
	Unit-2	1931	1931	1931	1931	1931	1931
b. Chitara Power Station	Unit-1	1938	1938	1938	1938	1938	1938
	Unit-2	1938	1938	1938	1938	1938	1938
c. Salawa Power Station	Unit-1	1937	1937	1937	1937	1937	1937
	Unit-2	1937	1937	1937	1937	1937	1937
d. Bhola Power Station		1929-1935	1929-1935	1929-1935	1929-1935	1929-1935	1929-1935
Type of Station							
a) Surface/underground		Surface	Surface	Surface	Surface	Surface	Surface
b) Purely ROR/ Pondsage/Storage		Canal Base					
c) Peaking/non-peaking		Non-Peaking	Non-Peaking	Non-Peaking	Non-Peaking	Non-Peaking	Non-Peaking
d) No. of hours of peaking							
e) Overload capacity(MW) & period							
Type of excitation							
a) Rotating exciter or generator		Static	Static	Static	Static	Static	Static
b) Static excitation		Static	Static	Static	Static	Static	Static
Design Energy (Annual)	MU	32	32	32	32	32	32
Auxiliary Consumption including Transformation losses	%	1%	1%	1%	1%	1%	1%
Normative Plant Availability Factor (NAPAF)	%	85%	85%	85%	85%	85%	85%
Maintenance Spares for WC	INR Crores	1.56	1.63	1.70	1.78	1.86	1.94
Reservables for WC	INR Crores	1.39	1.44	1.48	1.55	1.61	1.69
Base Rate of Return on Equity	%	15%	15%	15%	15%	15%	15%
5th Base Rate + 350 basis points as on 7	%	12.25%	12.25%	12.25%	12.25%	12.25%	12.25%

Petitioner

  
 उद्योग अधिकारी (सीओ एंड डीओ)

## Details of Foreign Loans

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

UP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

Name of the Company  
Name of the Power Station  
Exchange Rate as on 31.03.2004, whichever is later  
Exchange Rate as on 31.03.2014

Financial Year (Starting from 0000)	Year 1			Year 2			Year 3		
	7 Date	8 Amount (Foreign Currency)	9 Exchange Rate	10 Amount (Rs. Lakh)	11 Date	12 Amount (Foreign Currency)	13 Exchange Rate	14 Amount (Rs. Lakh)	15 Amount (Foreign Currency)
Category <sup>1</sup>									
As the date of issue or at the beginning to the year of the period <sup>2</sup>									
Scheduled repayment date of principal									
Scheduled payment date of interest									
As the end of financial year									
In case of hedging:									
As the date of hedging									
Period of hedging									
Cost of hedging									
Category <sup>2</sup>									
As the date of issue or at the beginning to the year of the period <sup>2</sup>									
Scheduled repayment date of principal									
Scheduled payment date of interest									
As the end of financial year									
In case of hedging:									
As the date of hedging									
Period of hedging									
Cost of hedging									
Category <sup>3</sup> & so on									
As the date of issue or at the beginning to the year of the period <sup>2</sup>									
Scheduled repayment date of principal									
Scheduled payment date of interest									
As the end of financial year									
In case of hedging:									
As the date of hedging									
Period of hedging									
Cost of hedging									

Includes  
(Value Shy)  
जान अक्टूबर (वॉल्यूम शी)

Financial Year (Starting from 0000)	Year 1			Year 2				Year 3				
	2	3	4	5	6	7	8	9	10	11	12	13
(Date)	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)	Date (Foreign Currency)	Amount (Foreign Currency)	Exchange Rate	Amount (Rs. Lakh)	Date (Foreign Currency)
<p>*Name of the currency to be mentioned is US\$, DM, etc. etc.            In case of more than one share during the year, Exchange rate at the date of each issue to be given.            *Favourable details of hedging, in case of more than one hedging during the year as per hedging, details of each hedging are to be given.            The birth or anniversary date (date on applicable including change in rates, date from which change effective etc., must be clearly indicated.</p>												

Particulars

*Shankar*  
 (शंकर सिंह)  
 पुस्तक लेखिका (एन।ए.ए.ए.)



## Abstract of Admitted Capital Cost for the existing Projects

Name of the Company : UP JAL VIDYUT NIGAM LIMITED  
 Name of the Power Station : UGC HYDRO POWER STATION

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)	
c	Foreign Exchange rate considered for the admitted Capital cost (Rs Lakh)	NIL
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)	
Petitioner		

*Ushankh*  
 (सिद्धि सिंह)  
 युवा अधिकारी (सी० एवं अ०)

## Abstract of Capital Cost Estimates and Schedule of Commissioning for the New projects

Name of the Company : UP JAL VIDYUT NIGAM LIMITED  
Name of the Power Station : UGC HYDRO POWER STATION

New Projects : Nil  
Capital Cost Estimates

Board of Director/ Agency approving the Capital cost estimates:

Date of approval of the Capital cost estimates:

Price level of approved estimates	Present Day Cost		Completed Cost	
	As of End of _____ Qtr. Of the year _____	Or	As or Scheduled COO of the Station	
Foreign Exchange rate considered for the Capital cost estimates:				
Capital Cost excluding IDC & FC				
Foreign Component, if any (in Million US \$ or the relevant Currency)		NIL		
Domestic Component (Rs. Cr.)				
Capital cost excluding IDC & FC (Rs. Cr.)				
<b>IDC &amp; FC</b>				
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.)				
<b>Schedule of Commissioning</b>				
COO of Unit-I/Block-I				
COO of Unit-II/Block-II				
COO of Unit-III/Block-III				
COO of Unit-IV/Block-IV				

Note:

- Copy of approval letter should be enclosed.
- Details of Capital cost are to be furnished as per FORM 5B or 5C as applicable.
- Details of IDC & Financing Charges are to be furnished as per FORM 14.

*Handwritten Signature*  
(निर्मल सिंह)  
मुख्य अभियंता (पनिह घाट अणु)

Petitioner

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

Name of the Company :  
Name of the Power Station :UP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

Sl.No.	Break Down	Cost in Rs. Crores		Liabilities/ Provisions (5)	Variation (Rs. Cr.)	Reasons for Variation
		As per original Estimates	As an COD			
(3)	(2)	(3)	(4)	(5)	(6)	(7)
1.0	Infrastructure Works					
1.1	Preliminary including Development					
1.2	Land					
1.3	R&D expenditure					
1.4	Buildings					
1.5	Township					
1.6	Maintenance					
1.7	Tools & Plants		Nil			
1.8	Communication					
1.9	Environment & Ecology					
1.10	Losses on stock					
1.11	Receipt & Recoveries					
1.12	Total (Infrastructure )					
2.0	Major Civil Works					
2.1	Dam, intake & Desilting chambers					
2.2	HRT, TRT, Surge Shaft & Pressure shafts					
2.3	Power Plant civil works					
2.4	Other civil works (to be specified)					
2.5	Total (Major Civil Works)					
3.0	Hydro Mechanical equipments					
4.0	Plant & Equipment					
4.1	Initial spares of Plant & Equipment					
4.2	Total (Plant & Equipment)					
5.0	Taxes and Duties					
5.1	Custom Duty					
5.2	Other taxes & Duties					
5.3	Total Taxes & Duties					
6.0	Construction & Precommissioning expenses					
6.1	Erection, testing & commissioning					
6.2	Construction					
6.3	Site supervisor					
6.4	Total (Const. & Precommissioning)					
7.0	Overheads					
7.1	Establishment					
7.2	Design & Engineering					
7.3	Audit & Accounts					
7.4	Contingency					
7.5	Rehabilitation & Resettlement					

*Charities*  
(Name Sign)  
उप निर्देश (को-एच-२२०)

Sl.No.	Break Down	Cost in Rs. Crores		Liabilities/ Provisions (5)	Variation (Rs. Cr.)	Reasons for Variation
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Total (Overheads)					
8.0	Capital Cost without IDC, FC, FERV & Hedging Cost					
8.0	IDC, FC, FERV & Hedging Cost					
8.1	Interest During					
8.2	Financing Charges					
8.3	Foreign Exchange					
8.4	Hedging Cost					
8.5	Total of IDC, FC, FERV					
10	Capital cost including					
<p>Note:</p> <ol style="list-style-type: none"> <li>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 ating company</li> <li>In case of both time &amp; 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.</li> <li>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 cited COD, increase in IDC from scheduled COD to actual COD/anticipated COD and increase of IDC from scheduled COD to actual anticipated COD.</li> <li>Impact on account of each reason for Time over run on Cost of projects should be quantified and substantiated with necessary documents and supporting workings.</li> <li>A list of balance work assets/work wise including initial spare on original scope of works along with estimate shall be furnished positively.</li> </ol>						
						Petitioner

  
 (Name Sign)  
 - तिना (११/११/२०२०)

## Break-up of Capital Cost for Plant &amp; Equipment (New Project)

Name of SE  
Name of PEUPJAL WINDY NGAM LIMITED  
UGC HYDRO POWER STATION

S. No.	Variable	Original Cost as approved by Authority/Insurence or Approved (%)	Original Cost as approved by Authority/Insurence or Approved (%)	Revision	Reasons for Variation?
1	Generator, Turbine & Accessories Generator package Turbine package unit control board CB package Re/Duct of ST connection Total (Generator turbine & Accessories)		Nil		
2	Auxiliary Electrical equipment Step up transformer unit Auxiliary transformer local supply transformer cable busbar/switch MCCB switchgear, batteries, DC bus, busbar telecommunications equipment Automation of Dam, HV and Switchyard Cables & cable Switchgear, grounding Panel assembly, etc. Total (Auxiliary Elec. Equipment)				
3	Auxiliary equipment & services for power station Cable CCT cable Other wires Pumps, etc. & elevators Cooling water system Drainage & dewatering system Lighting equipment Air conditioning ventilation and heating Water supply system Sewerage equipment Workshop, machines & equipment Total (Auxiliary equipm. & services for PS)				
4	Switchyard package				
5	Initial spares for all above equipments				
6	Total Cost (Plant & Equipment) including GC, FC, P&V & Working Cost				
7	GC, FC, P&V & Working Cost Interest during construction (IDC) Financing Charges (FC) Foreign Exchange Rate contingency (P&V) Working Cost Total of GC, FC, P&V & Working Cost				
8	Total Cost (Plant & Equipment) including GC, FC, P&V & Working Cost				

*Handwritten signature*  
(Name Sign)

2011-11-10 10:10:10 AM



## In case there is cost over run

Name of the Company :  
Name of the Power Station :UP JAL VIOYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

Sl.No.	Break Down	Cost in Rs. Crores		Variation[ Rs. Cr.]	Reasons for Variation	Admitted Cost (Rs. Cr.)
		As per original Estimates	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.0	Cost of Land & Site Development					
1.1	Land					
1.2	Rehabilitation & Resettlement (R&R)					
1.3	Preliminary Investigation & Site development					
	Total Land & Site Development	0	0	0	0	0
2.0	Plant & Equipment					
2.1	Steam Turbine generator island					
2.2	Turbine Generator Island					
2.3	BOP Mechanical					
2.3.1	Fuel Handling & Storage system					
2.3.2	External water supply system					
2.3.3	CW system					
2.3.4	Cooling Towers					
2.3.5	DM water Plant					
2.3.6	Clarification plant					
2.3.7	Chlorination Plant					
2.3.8	Air condition & Ventilation System					
2.3.9	Fire fighting system					
2.3.10	HP/LP Piping					
	Total BOP Mechanical	0	0	0	0	0
2.5	BOP Electrical					
2.5.1	Switch Yard Package					
2.5.2	Transformers package					
2.5.3	Switch gear Package					
2.5.4	Cable, Cable Facilities & grounding					
2.5.5	Lighting					
2.5.6	Emergency D.G. set					
	Total BOP Electrical	0	0	0	0	0
2.6	C & I Package					
	Total Plant & Equipment excluding taxes & Duties					
2.7	Taxes and Duties					
2.7.1	Custom Duty					
2.7.2	Other Taxes & Duties					
	Total Taxes & Duties	0	0	0	0	0
	Total Plant & Equipment(with taxes & Duties)					
3.0	Initial spares					
4.0	Civil Works					
4.1	Main plant/Adm. Building					
4.2	External water supply system					
4.3	CW system					
4.4	Cooling Towers					
4.5	DM water Plant					
4.6	Clarification plant					
4.7	Fuel Handling & Storage system					
4.8	Township & Colony					
4.9	Temp. construction & enabling works					

*Chaitanya*  
(सिद्धि सिंह)  
जल विभाग (सीएचएस)

Sl.No.	Break Down	Cost in Rs. Crores		Variation( Rs. Cr.)	Reasons for Variation	Admitted Cost (Rs. Cr.)
		As per original Estimates	As on COO			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
4.10	Road & Drainage					
4.11	Fire Fighting system					
	<b>Total Civil works</b>	0	0	0	0	0
<b>5.0</b>	<b>Construction &amp; Pre-Commissioning Expenses</b>					
5.1	Erection Testing and commissioning					
5.2	Site supervision					
5.3	Operator's Training					
5.4	Construction Insurance					
5.5	Tools & Plant					
5.6	Start up fuel					
	<b>Total Construction &amp; Pre- Commissioning Expenses</b>	0	0	0	0	0
<b>6.0</b>	<b>Overheads</b>					
6.1	Establishment					
6.2	Design & Engineering					
6.3	Audit & Accounts					
6.4	Contingency					
	<b>Total Overheads</b>	0	0	0	0	0
<b>7.0</b>	<b>Capital cost excluding IDC &amp; FC</b>					
7.1	Interest During Construction (IDC)					
7.2	Financing Charges (FC)					
<b>8.0</b>	<b>Capital cost including IDC &amp; FC</b>					
<p>Note:</p> <p>Note: Impact on account of each reason for Cost overrun should be quantified and substantiated with necessary documents and supporting workings.</p>						
Petitioner						

  
 (विक्रम सिंह)  
 जल अधिकारी (पपिप एवं मयु)

In case there is time over run

UP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATIONName of the Company  
Name of the Power Station

Description of Activity/ Works/ Service	Original Schedule (As per Planning)		Actual Schedule (As per Actual)		Time Over- Run days	Reasons for delay	Other Activity effected (Mention S. No. of activity affected)
	Start Date	Completion Date	Actual Start Date	Actual Completion Date			
		NIL					

Petitioner

*Shanubhai*  
(Shanubhai)  
जला अधिकारी (उद्योग विभाग)

## Financial Package upto COD

Name of the Company

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station

UGC HYDRO POWER STATION

Project Cost as on COD:

Date of Commercial Operation of the Station:

1	Financial Package as Approved Currency and Amount		Financial Package as on COD Currency and Amount		As Admitted on COD Currency and Amount	
	2	3	4	5	6	7
Loan-I						
Loan-II			Nil			
Loan-III						
and so on						
Loan						
Foreign						
Domestic						
Total loan(Rs)						
Equity						
Foreign						
Domestic						
Total Equity (Rs)						
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. Provide details on commercial operation as on COD of each Unit
3. For example: US \$ 200m; etc.

Petitioner

*Exhibit*  
(गौरी नदी)  
उप नदिमा (पौरो दस मजु)

## Details of Project Specific Loans

Name of the Company: UP JAL VIDYUT NIGAM LIMITED  
 Name of the Power Station: UGC HYDRO POWER STATION

Particulars	Package1	Package2	Package3	Package4	Package5	Package6
1	2	3	4	5	6	7
Loan No.						
Source of Loan						
Currency						
Amount of Loan sanctioned			Rs.			
Amount of Gross Loan drawn upto 31.03.2014/COO						
Interest Type						
Fixed Interest Rate, if applicable						
Base Rate, if floating interest						
Margin, if floating interest						
Are there any Caps/Floors						
If above is yes, specify caps/floor						
Moratorium Period						
Moratorium effective from						
Repayment Period						
Repayment effective from						
Repayment Frequency						
Repayment Instalment						
Base Exchange Rate						

<sup>1</sup> Source of loan means the agency from whom the loan has been taken such as WB, ADB, WAP, PMB, IB, ICICI, IFC, PFC etc.

<sup>2</sup> Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

<sup>3</sup> Details are to be submitted as on 31.03.2014 for existing assets and as on COO for the remaining assets.

<sup>4</sup> Where the loan has been refinance/d, details in the form is to be given for the loan refinance. However, the details of the original loan is to be given separately in the same form.

<sup>5</sup> If the Tariff in the petition is claimed separately for various units, details in the form is to be given separately for all the units in the same form.

<sup>6</sup> Interest type means whether the interest is fixed or floating.

<sup>7</sup> Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawal may also be enclosed.

<sup>8</sup> Margin means the points over and above the floating rate.

<sup>9</sup> At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

<sup>10</sup> Moratorium period refers to the period during which loan servicing liability is not required.

<sup>11</sup> Repayment period means the repayment of loan such as 7 years, 10 years, 25 year etc.

<sup>12</sup> Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

<sup>13</sup> Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately.

<sup>14</sup> If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished separately.

<sup>15</sup> In case of Foreign loan/date of each drawal & repayment alongwith exchange rate at that date may be given.

<sup>16</sup> Base exchange rate means the exchange rate prevailing as on 31.03.2014 for existing assets and as on COO for the remaining assets.

UP JAL VIDYUT NIGAM LIMITED  
 Director









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

Name of the Company  
Name of the Power StationLIP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Closing Gross Book					
	Less: Opening Gross Book		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

Petitioner

*Manish*  
(नीला सिंग)  
जुवा अधिकारी (पीओ एवं वरिष्ठ)



## Statement of Capital cost (To be given for relevant dates and year wise)

Name of the Co.  
Name of the PoUP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

Amount in Rs. Lakh

S. No.	Variables	As on Relevant Date
A	Opening Gross Block Amount 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	Nil
	Amount of FERV in A(a) above	
	Amount of Hedging Cost in A(a) above	
	Amount of RDC in A(a) above	
B	Addition in Gross Block Amount during the period (Direct purchase)	
	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 RDC in B(a) above	
C	Addition in Gross Block Amount during the period (Transferred from CWP)	
	Amount of capital liabilities in C(a) above	
	Amount of IDC in C(a) above	
	d) Amount of FC in C(a) above	
	e) Amount of FERV in C(a) above	
	f) Amount of Hedging Cost in C(a) above	
	g) Amount of RDC in C(a) above	
D	a) Deletion in Gross Block Amount 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 RDC in D(a) above	
E	a) Closing Gross Block Amount 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 RDC in E(a) above	

*Shashi Kishor*

(Signature)

पूरा जलविद्युत (परिचालन विभाग)

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

Petitioner

## Statement of Capital works in progress (To be given for relevant dates and year wise)

Name of the Co  
Name of the ProjUP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

Amount in Rs. Lakh

S. No.	Variables	As on Relevant Date
<b>A</b>	Opening CWP as per books	
	Amount of capital liabilities in A(a) above	Nil
	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>B</b>	Addition in CWP 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	
<b>C</b>	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	
<b>D</b>	Deletion in CWP during the period	
	a) 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	
<b>E</b>	Closing CWP 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	

*Handwritten signature*

(Print Name)

पुनः अधिसूचना (२०१०-११-२०१०)

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

Petitioner

Financing of Additional Capitalization

UP JAL VEHPUT NAGAM LIMITED  
UP Jal VEHPUT POWER STATION

Name of the Company  
Name of the Power Station  
Date of Commercial Operation

Financial Year (Starting from CDD)	Actual			Estimated			Amount in Rs. Lakhs		
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9 & so on
Amount Capitalized in Work/Equipment									
Financial Details									
Year 1									
Year 2									
Year 3 and so on									
Total (Year 1)									
Salvage									
Interest Reserves									
Others (If any)									
Total									

Note:  
1. Year 1 refers to Financial Year of CDD and Year 2, Year 3 etc. are the subsequent financial years respectively.  
2. Loan details for meeting the additional capitalization requirement should be given as per column 7 and 8 with interest in retention.

*Char Singh*  
(Name in Hindi)  
उप निदेशक (सीएच एच डी)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

(Amount in Rs Crore)

FY 2023-24

Sl.No.	Name of the Asset <sup>1</sup>	Gross Block as on 31.03.2023 or as on COD	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CIPC's Depreciation	Depreciation Amount
	(i)	(ii)			(iii)	4= Col.2 X Col.3
1	Land & Land Rights	0.03				
2	Temporary Structure				100.00%	
3	Buildings	0.18			3.34%	0.01
4	Hydraulic Works	1.60			3.83%	0.09
5	Other Civil works	0.04			3.34%	0.00
6	Ram & Machinery	1.34			5.85%	0.08
7	Lines, Cables, Networks etc.	0.48			5.85%	0.03
8	Vehicles	0.03			9.52%	0.00
9	Furniture & Fixtures	0.03			6.33%	0.00
10	Office Equipments	0.03			6.33%	0.00
11	Capital Spares of Generating Stations	0.00			3.83%	0.00
12	Electric Equipments				5.85%	
13	Survey Equipments				5.85%	
14	Tools & Tackles	0.00			5.85%	0.00
15	Electric Installation				5.85%	
16	Steel Shuttering				5.85%	
17	Library Book				5.85%	
18	Wooden Frames				100.00%	
19	Wireless Set				6.33%	
20	Computers	0.00			15.00%	0.00
	<b>TOTAL</b>	<b>3.68</b>	<b>-</b>	<b>-</b>	<b>5.68%</b>	<b>0.21</b>
	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

*(Signature)*  
 (Name of the)  
 (Petitioner)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

FY 2024-25

Sl. No.	Name of the Asset	Gross Block as on 31.03.2023 or as on COO	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)	As per Col 2 & Col 3
1	Land & Land Rights	0.01			0.00%	
2	Temporary structure				100.00%	
3	Buildings	0.18			1.50%	0.01
4	Hydraulic Works	1.60			5.00%	0.08
5	Other Civil works	0.04			1.50%	0.00
6	Plant & Machinery	1.34			5.00%	0.08
7	Lines, Cables, Networks Etc.	0.48			5.00%	0.01
8	Vehicles	0.01			5.00%	0.00
9	Furniture & Fixtures	0.01			5.00%	0.00
10	Office Equipments	0.01			6.00%	0.00
11	Capital Spares at Generating Stations	0.00			5.00%	0.00
12	Electric Equipments				5.00%	
13	Survey Equipments				5.00%	
14	Tools & Tackles	0.00			5.00%	0.00
15	Electric Insulators				5.00%	
16	Steel Shuttering				5.00%	
17	Library Book				5.00%	
18	Wooden Frames				100.00%	
19	Wireless Set				6.00%	
20	Computers	0.00			10.00%	0.00
	<b>TOTAL</b>	<b>3.68</b>	-	-	<b>5.68%</b>	<b>0.21</b>
	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:

*(Signature)*  
(संकेत स्थान)  
मुख्य अधिकारी (परीक्षा एवं प्रशिक्षण)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VOYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

FY 2025-26

Sl. No.	Name of the Asset <sup>1</sup>	Gross Block as on 31.03.2022 or as on COO	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
1	Land & Land rights	0.01				
2	Temporary Structure	-			100.00%	
3	Buildings	0.18			3.34%	0.01
4	Hydraulic Works	1.60			3.03%	0.09
5	Other Civil works	0.04			3.34%	0.00
6	Plant & Machinery	1.34			5.83%	0.08
7	Lines, Cables, Networks Etc.	0.48			5.83%	0.01
8	Vehicles	0.01			9.50%	0.00
9	Furniture & Fixtures	0.01			6.33%	0.00
10	Office Equipments	0.01			6.33%	0.00
11	Capital Spares at Generating Stations	0.00			5.83%	0.00
12	Electric Equipments	-			5.83%	
13	Survey Equipments	-			5.03%	
14	Tools & Tackles	0.00			5.83%	0.00
15	Electric Installation	-			5.83%	
16	Steel Shuttering	-			5.83%	
17	Concrete form	-			5.83%	
18	Wooden Frames	-			100.00%	
19	Wireless Set	-			6.33%	
20	Computers	0.00			15.00%	0.00
	<b>TOTAL</b>	<b>3.68</b>	<b>-</b>	<b>-</b>	<b>5.68%</b>	<b>0.21</b>
	Weighted Average Rate of Depreciation (%)					

\*Provide details of Freehold land and Leasehold 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

*Charak*

(सीन वि०)

जग अभियन्ता (पी० एच० इन्फो)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIOYUT NIGAM LIMITED  
UGC HYDRD POWER STATION

FY 2026-27

S.No.	Name of the Asset <sup>1</sup>	Gross Block as on 31.03.2023 or as on COG	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per (CIRC's Depreciation) [2]	Depreciation Amount As- Col.2 & Col.3
1	Land & Land Rights	0.01				
2	Temporary Structure				100.00%	
3	Buildings	0.18			3.34%	0.01
4	Hydraulic Works	1.80			3.82%	0.08
5	Other Civil works	0.04			3.34%	0.00
6	Plant & Machinery	1.34			3.82%	0.08
7	Lines, Cables, Networks Etc.	0.48			5.82%	0.03
8	Vehicles	0.01			8.34%	0.00
9	Furniture & fixtures	0.01			6.33%	0.00
10	Office Equipments	0.01			6.33%	0.00
11	Capital Spares of Generating Stations	0.00			5.82%	0.00
12	Electric Equipments				5.82%	
13	Survey Equipments				5.82%	
14	Tools & Tackles	0.00			5.82%	0.00
15	Electric Installation				5.82%	
16	Steel Shuttering				5.82%	
17	Library Book				5.82%	
18	Wooden Frames				100.00%	
19	Wooden Set				6.33%	
20	Computers	0.00			25.00%	0.00
	<b>TOTAL</b>	<b>3.68</b>			<b>5.88%</b>	<b>0.21</b>
	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

*(Signature)*  
(Name of the)  
जुल अभियन्ता (पीठ एवं मंडल)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

FY 2027-28

Sl. No.	Name of the Asset	Gross Block as on 31.03.2023 or as on COO	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)	As per Col 2 & Col 3
1	Land & Land rights	0.01			-	-
2	Temporary Structure	-			100.00%	-
3	Buildings	0.18			5.34%	0.01
4	Hydraulic Works	1.60			5.80%	0.09
5	Other Civil works	0.04			5.84%	0.00
6	Plant & Machinery	3.34			5.80%	0.08
7	Lines, Cables, Networks Etc.	0.48			5.80%	0.03
8	Vehicles	0.01			5.50%	0.00
9	Furniture & Fixtures	0.01			8.30%	0.00
10	Office Equipments	0.01			8.30%	0.00
11	Capital Spares at Generating Stations	0.00			5.80%	0.00
12	Electric Equipments	-			5.80%	-
13	Survey Equipments	-			5.80%	-
14	Tools & Tackles	0.00			5.80%	0.00
15	Electric Installation	-			5.80%	-
16	Steel Shuttering	-			5.80%	-
17	Library Boats	-			5.80%	-
18	Wooden Frames	-			100.00%	-
19	Wireless Set	-			5.30%	-
20	Computers	0.00			15.00%	0.00
	<b>TOTAL</b>	<b>3.68</b>	<b>-</b>	<b>-</b>	<b>5.88%</b>	<b>0.21</b>
	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

*Chand*  
(सिंह सिंग)  
जुल मंत्रालय (पीएच एन ११११)

## Calculation of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
USC HYDRO POWER STATION

FY 2028-29

Sl.No.	Name of the Asset	Gross Book at on 31.03.2023 or at an COO	Additions During the Year as per provisional accounts	Adjustment for deletion of units	Depreciation Rates as per CERC's Depreciation (1)	Depreciation Amount 4= Col 2 X Col 3
1	Land & Land Rights	0.01				
2	Temporary Structure				100.00%	
3	Building	1.18			3.50%	0.01
4	Hydraulic works	1.10			5.00%	0.00
5	Other Civil works	0.04			3.50%	0.00
6	Plant & Machinery	1.34			5.00%	0.08
7	Lines, Cables, Networks Etc.	0.40			5.00%	0.01
8	Vehicle	0.03			9.50%	0.00
9	Furniture & Fixtures	0.01			6.50%	0.00
10	Office Equipments	0.01			6.50%	0.00
11	Capital spares at Generating Stations	0.00			5.00%	0.00
12	Electric Equipments				5.00%	
13	Survey Equipments				5.00%	
14	Tools & Tackles	0.00			5.00%	0.00
15	Electric Installation				5.00%	
16	Steel Shuttering				5.00%	
17	Library Book				1.00%	
18	Wooden frames				100.00%	
19	Wireless Set				6.00%	
20	Computers	0.00			15.00%	0.00
	<b>TOTAL</b>	<b>3.68</b>	<b>-</b>	<b>-</b>	<b>5.68%</b>	<b>0.21</b>
	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

*Shashish*  
(सिंह सिंग)  
जल अधिकारी (सीओ एच डी)

## Statement of Depreciation

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
USC HYDRO POWER STATION

(Amount in Rs Lakh)

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Opening Capital Cost	3.68	3.68	3.68	3.68	3.68	3.68
	Closing Capital Cost	3.68	3.68	3.68	3.68	3.68	3.68
	Average Capital Cost	3.68	3.68	3.68	3.68	3.68	3.68
	Useful life						
	Rate of depreciation	3.68%	3.68%	3.68%	3.68%	3.68%	3.68%
	Depreciable value	3.31	3.31	3.31	3.31	3.31	3.31
	Balance useful life at the beginning of the period	1	1	1	1	1	1
	Remaining depreciable value	0.75	0.70	0.00	0.00	0.00	0.00
	Depreciation for the period	0.75	0.70	0.00	0.00	0.00	0.00
	Depreciation (accumulated)	0.75	0.70	0.00	0.00	0.00	0.00
	Cumulative depreciation at the end of the period	3.11	3.31	3.31	3.31	3.31	3.31
	Less: Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2009/Station CDD						
	Less: Cumulative depreciation adjustment on account of de-capitalisation						
	Net Cumulative depreciation at the end of the period	3.11	3.31	3.31	3.31	3.31	3.31

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

Particulars

*U. S. Singh*  
 (Signature)  
 उपाय अधिकारी (पीपी एवं अड्डा)

## FORM-15 Calculation of Weighted Average Rate of Interest on Actual Loans

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

(Amount in Rs Lakh)

Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>Loan-1</b>		Nil				
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawals during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on loan on annual basis						
Interest on loan						
<b>Loan-2</b>						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawals during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
<b>Loan-3 and so on</b>						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawals during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
<b>Total loan</b>						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawals during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Interest on loan						
Weighted average Rate of Interest on Loans						

*Shashi*  
(Signature)

2023-24 (2024-25)

Note:

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

Fill/Signer

## Calculation of Interest on Normative Loan

Name of the Company  
Name of the Power StationUP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

(Amount in Rs Lakh)

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	Gross Normative loan - Opening						
	Cumulative repayment of Normative loan upto previous year						
	Net Normative loan - Opening	0.00	0.00	0.00	0.00	0.00	0.00
	Add: Increase due to addition during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Repayment during the year	0.00	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	0.00
	Add: Increase due to discharges during the year / period						
	Net Normative loan - Closing	0.00	0.00	0.00	0.00	0.00	0.00
	Average Normative loan	0.00	0.00	0.00	0.00	0.00	0.00
	Weighted average rate of interest	12.25%	12.25%	12.25%	12.25%	12.25%	12.25%
	Interest on loan	0.00	0.00	0.00	0.00	0.00	0.00

Petitioner



(मानव सिंह)

उप निदेशक (पी० एन० ब्यूरो)

## Calculation of Interest on Working Capital

Name of the Company  
Name of the Power StationLIP JAL VIDYUT NIGAM LIMITED  
UGC HYDRO POWER STATION

S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	O & M expenses for the year	10.40	10.86	11.15	11.86	11.29	12.94
	O & M Expenses	0.87	0.91	0.75	0.99	1.03	1.09
	Maintenance Spares	1.16	1.63	1.70	1.78	1.88	1.94
	Reservables	1.39	1.44	1.49	1.55	1.61	1.69
	<b>Total Working Capital</b>	<b>3.82</b>	<b>3.98</b>	<b>4.13</b>	<b>4.32</b>	<b>4.50</b>	<b>4.71</b>
	Rate of Interest	17.55%	17.75%	17.50%	17.50%	17.50%	17.50%
	<b>Interest on Working Capital</b>	<b>0.66</b>	<b>0.68</b>	<b>0.52</b>	<b>0.54</b>	<b>0.56</b>	<b>0.59</b>

Petitioner

*Charudatta*

(Name Sign)

जस अविना (जिओ वे अजो)



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

Name of the Company

UP JAL VIDYUT NIGAM LIMITED

Name of the Power Station

UGC HYDRO POWER STATION

Amount in Rs Lakh

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

Petitioner


(श्रीमती)  
सुजाता देवी (सी.ई.ओ.)