

Petition to

Hon'ble Uttarakhand Electricity Regulatory Commission

For

True Up of Tariff for FY2022-23,  
Annual Performance Review for FY 2023-24

And

Annual Fixed Charges for FY 2024-25

For

Maneri Bhali-II Hydro Power Project  
(4x76 MW)

By

UJVN Ltd.

Dehradun

November – 2023



**UJVN Limited**  
A Govt. of Uttarakhand Enterprise

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21/11/2023

VIPUL RASTOGI  
STAMP VENDOR L.No.-11,  
COMET COMPLEX, D.D.N.

BEFORE THE HON'BLE UTTARAKHAND ELECTRICITY REGULATORY COMMISSION

In the matter of:

Filing of petition for True Up of Tariff for FY 2022-23, Annual Performance Review for FY 2023-24 and Annual Fixed Charges for FY 2024-25 for MB-II HEP of UJVN Ltd under Section 62 and 86 of the Electricity Act, 2003 read with the relevant regulations and guidelines of the Hon'ble Commission.

(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

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(iii)



### Affidavit

I, Suresh Chandra Baluni S/o Sh. Narayan Prasad Baluni, aged 59 years, working as Director (Projects), UJVN Ltd., residing at 175, Phase-I, Engineers Enclave, GMS Road, Dehradun, the deponent named above, do hereby solemnly affirm and state on oath as under: -

1. That the deponent, the petitioner in the matter, is the Director (Projects) of UJVN Ltd., Maharani Bagh, G.M.S. Road, Dehradun, and is acquainted with the facts deposed below.
2. I, the deponent named above do hereby verify that the contents of the Paragraph No. 1 of the affidavit and those of the Paragraph No. 1 to 12 of the accompanying petition are true and correct to my personal knowledge and based on the perusal of official records, information received and the legal advice which I believe to be true and verify that no part of this affidavit is false and nothing material has been concealed.

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

(Deponent)

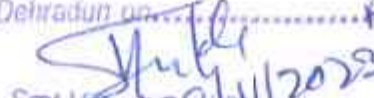
I, B.S. Bisht Advocate, D. Dun, do hereby declare that the person making this affidavit is known to me and I am satisfied that he is the same person alleging to be deponent.

Solemnly affirmed before me on this 29th day of Nov 2023 at \_\_\_\_\_ a.m./ p.m. by the deponent who has been identified by the aforesaid advocate.

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

This affidavit is sworn before me by  
Smt. Suresh Chandra Baluni  
who is identified by B.S. Bisht  
at Dehradun on 29/11/2023

(Notary Public)

  
Smt. Vinita Chandra Swalia  
Advocate & Notary, D. Dun

## 1. Specific Legal Provisions under which the Petition is being filed

UJVN Ltd. under Section 62 and 86 of the Electricity Act, 2003 read with Regulation 1(3), 11(1) and 12 of the Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Multi Year Tariff) Regulations, 2021 is filing this Tariff Petition before the Hon'ble Commission for True-Up of Tariff for the FY 2022-23, Annual Performance Review for Financial Year (FY) 2023-24 and Annual Fixed Charges for Financial Year (FY) 2024-25.

## 2. Limitation

Since an application for tariff determination by any generating company has to be filed before the Hon'ble Commission before 30th November of every year therefore, the present petition is not barred by limitation under Regulation 43(4) of Uttarakhand Electricity Regulatory Commission Conduct of Business Regulation 2014 and Regulation 12(2) of Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Multi Year Tariff) Regulations, 2021.

## 3. Facts of the case

3.1. The Petitioner, UJVN Ltd., is a company incorporated under the provisions of the Companies Act, 1956, having its registered office at UJJWAL, Maharani Bagh, GMS Road, Dehradun.

3.2. It is humbly submitted that the Government of India (GoI) vide order dated 05.11.2001 transferred all hydropower assets of Uttar Pradesh Jal Vidyut Nigam Limited (UPJVNL) located in the State of Uttarakhand to UJVNL with effect from 09.11.2001. In compliance to the aforementioned order of GOI, the administrative and financial control of all hydro power generation plants of UPJVNL in operation or under construction in Uttarakhand was taken over by UJVNL with effect from 09.11.2001.

3.3. Even though the administrative and financial control of all the generating

stations was transferred to UJVNL on 09.11.2001, the Transfer Scheme for transfer of balances of assets and liabilities though agreed in general by UJVNL and UPJVNL has not finalized


- 3.4. Government of Uttarakhand (GoU) notified the provisional transfer scheme vide its notification no. 70/AS (E)/1/2008-04 (3)/22/08 dated 07.03.08.
- 3.5. The Hon'ble Uttarakhand Electricity Regulatory Commission issued the following tariff regulations for hydro generating stations in the State of Uttarakhand, applicable for plants of capacity more than 25 MW:

|   |  |
|---|--|
| Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Hydro Generation Tariff) Regulations, 2004 | Applicable from 01.04.2004 to 31.03.2013 |
| Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2011                  | Applicable from 01.04.2013 to 31.03.2016 |
| Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Multi Year Tariff) Regulations, 2015       | Applicable from 01.04.2016 to 31.03.2019 |
| Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Multi Year Tariff) Regulations, 2018       | Applicable from 01.04.2019 to 31.03.2022 |
| Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Multi Year Tariff) Regulations, 2021       | Applicable from 01.04.2022 to 31.03.2025 |

- 3.6. It is respectfully submitted that the Hon'ble Commission had determined the provisional tariff of MB-II, HEP vide its various tariff orders issued from time to time as detailed below: -

| F.Y     | Tariff order |
|---------|--------------|
| 2007-08 | 28.11.2008   |
| 2008-09 | 28.11.2008   |

|                      |                                      |
|----------------------|--------------------------------------|
| 2009-10              | 30.12.2009                           |
| 2010-11              | 05.04.2010                           |
| 2011-12              | 10.05.2011                           |
| 2012-13              | 04.04.2012                           |
| 2013-14 to 2015-16   | 06.05.2013                           |
| 2014-15              | 10.04.2014 Released on 08.05.2014    |
| 2015-16              | 11.04.2015                           |
| 2016-17 to 2018-19   | 05.04.2016 , 29.03.2017 & 22.03.2018 |
| 2019-20 to 2022-23   | 27.02.2019,18.04.2020,26.04.2021     |
| 2022-2023 to 2024-25 | 31.03.2022, 30.03.2023               |



(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited



## Chapter 1. True-Up of Tariff for the FY 2022-23, Annual Performance Review for FY 2023-24 and Annual Fixed Charges for FY 2024-25

It is respectfully submitted that based on applicable Regulations of the Hon'ble Uttarakhand Electricity Regulatory Commission, the Petitioner is filing this instant petition for True-Up of Tariff for the FY 2022-23, Annual Performance Review for Financial Year (FY) 2023-24 and Annual Fixed Charges for Financial Year (FY) 2024-25.

### 1.1 Norms of Operation

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

#### (i) Normative Plant Availability Factor (NAPAF):

The NAPAF for the station has been approved as 76.00% for the FY 2022-23 to FY 2024-25 in the tariff orders dated 31.03.2022 & 30.03.2023 passed by the Hon'ble Commission. The Power Station has achieved PAF of 80.08% for FY 2022-23. The power station is likely to achieve PAF of 74.22 % & 72.77% in FY 2023-24 & 2024-25 respectively.

#### (ii) Auxiliary Energy Consumption including Transformation Losses:

The Hon'ble Commission under Regulation 47(4) of Tariff Regulations 2021 has specified the norms of Auxiliary Consumption. The Petitioner has claimed auxiliary consumption, transformation losses, consumption in Dam/ Barrages etc as per Table 1 below at the normative levels specified under Regulation 47(4).

Table 1: Auxiliary Consumption and Transformation Losses

| Station Particulars               | Norm |
|-----------------------------------|------|
| Type of Station                   |      |
| a) Surface                        | Yes  |
| b) Underground                    | No   |
| Type of excitation                |      |
| a) Rotating exciters on generator | No   |

| Station Particulars   | Norm        |
|---|-------------|
| b) Static excitation  | Yes         |
| <i>Auxiliary Consumption including Transformation losses (As % of Total Generation)</i> | <i>1.0%</i> |

(iii) The Annual Report on Technical Performance of Maneri Bhali-II HEP is enclosed at Annexure-1.

## 1.2 Apportionment of Common Expenses

The Hon'ble Commission in its earlier Orders has considered the ratio of 85:10:05 for allocating common expenses on 09 LHPs, MB-II and SHPs respectively. In April-May 2022, 120 MW Vyasi Hydro Electric Project of UJVN has been commissioned. In view of fact that the first year of Commercial Operation of Vyasi HEP is 2022-23, the Hon'ble Commission vide its Tariff Order dated 30.03.2023 has directed the petitioner to propose the revised allocation methodology of Common Expenses in next Tariff Petition.

In compliance of the Hon'ble Commission's directive 5.8.1 in Tariff Order dated 30.03.2023 the Petitioner in the present petition has adopted methodology of apportionment of common expense in the ratio of 95:05 among 11 LHPs (9 Old LHPs, MB-II & Vyasi) and SHPs respectively. Earlier 95% expenses were allocated among 09 LHPs and MB-II. Now Petitioner proposes to include Vyasi HEP with other 09 LHPs & MB-II in 95% common expenses. Further, allocation among LHPs is proposed in ratio of the installed capacity of the plant.

In present petition 95% of the common expenses are proposed to be allocated in MW proportion to 11 LHPs and 5% among SHPs. UJVNL has separated the direct expenses on Solar Business for FY 2022-23 and has not claimed the same from the tariff of LHPs.

Further, expenses incurred by such common units serving more than one station have been allocated as detailed below: -

- **Head Office/ CSPPO:** The 95% of the common expenses have been allocated among 9 LHPs, MB-II and Vyasi in a proportion of respective MW Capacity, and remaining 5% to SHPs

- **DDD Dakpathar:** The common expenses have been allocated between Chibro, Khodri, Dhakrani, Dhalipur and Kulhal in the ratio of their respective installed capacity.
- **DGM Civil Dhalipur:** The common expenses have been allocated on Chibro, Khodri, Dhakrani, Dhalipur and Kulhal LHPs in the ratio of their installed capacity.
- **DGM Civil Mayapur:** The common expenses have been allocated on Chilla, Ramganga, Khatima, and Pathri & Mohammadpur SHPs in the ratio of their installed capacity.
- **MB-I & II Civil:** The common expenses have been allocated on MB-I and MB-II HEP in the ratio of their installed capacity.

### 1.3 Capital Cost

1.3.1. The Hon'ble Commission in its Tariff Order dated April 11, 2015 has approved the capital cost of Rs. 1889.22 Crore. The Hon'ble Commission in its Tariff Order dated April 05, 2016 again revised the Capital Cost as Rs. 1885.50 Crore as on CoD of the project i.e. 15.03.2008.

1.3.2. The Hon'ble UERC in its tariff order dated 05.04.2016 reviewed various claims of the petitioner and approved the capital cost of MB-II HEP as on COD ( i.e. 15.03.2008) as Rs. 1885.50 Cr. With observations as under:

*"The Petitioner has requested the Commission to consider the capital cost of Rs. 1939.32 Crore as on COD, i.e. 15.03.2008 and, accordingly, allow true up of AFC and Tariff for MB-II HEP. With regard to fixation of the Capital Cost of MB-II on the date of its Commercial Operation (COD), the Commission vide its Tariff Order dated 10.04.2014 had revised the capital cost of MB-II project as on COD to Rs. 1831.72 Crore against the earlier approved Capital Cost of Rs. 1741.72 Crore. The Commission further in its Tariff Order dated 11.04.2015 had, after carrying out due prudence check and on the basis of recommendations of Expert Committee, revised the Capital Cost as on COD to Rs. 1889.22 Crores. The Commission does not find any reason to re-visit the same except for the reasons discussed*



below.

The Commission in the current tariff proceedings observed that the Petitioner has submitted that the Capital Cost as on COD included provisioning towards discharge of liabilities in future amounting to Rs. 3.72 Crore which was actually discharged in FY 2008-09 and wrongly included as R&M expenses. In accordance with MYT Regulations, 2011, any capital expenditure after COD is to be considered as additional capital expenditure subject to condition provided there in and also it has been the approach of the Commission in the past to not allow tariff on the provisioned amount and, therefore, the Commission has revised the Capital Cost of MB-II as on COD to Rs. 1885.50 Crore. Further, the Commission has considered the aforesaid amount of Rs. 3.72 Crore as additional capitalisation in FY 2008-09 as the same was actually discharged during FY 2008-09."

1.3.3. The details of approved Capital cost and Financing of MB-II HEP vide Tariff Order Dated 11.04.2015 and Tariff Order Dated 05.04.2016 are as per details mentioned here under:

Table- 2: Approved Capital Cost for MB-II as on COD (Rs. Crore)

| Particulars                                | Approved vide Tariff Order<br>dt. 11.04.2015 | Approved vide Tariff<br>Order<br>dt. 05.04.2016 |
|--|--|---|
| Capital Expenditure                        | 1494.70                                      | 1490.98   |
| Add: Adjustment on<br>Account of DRB Award | 44.51  | 44.51   |
| Price Variation                            | -7.94  | -7.94   |
| <b>Sub-total (A)</b>                       | <b>1531.27</b>                               | <b>1527.55</b>                                  |
| <b>IDC &amp; Other Financial Charges</b>   |  |   |
| Interest paid to PFC                       | 257.41                                       | 257.41  |
| Guarantee Fee                              | 28.86  | 28.86   |
| Intt. On GoU Loan                          | 5.04   | 5.04  |
| Intt. Repayment AGSP                       | 66.64  | 66.64   |
| Excess Guarantee Fee<br>Payable            | 0.00   | 0.00  |
| <b>Sub-total (B)</b>                       | <b>357.95</b>                                | <b>357.95</b>                                   |
| <b>Total Capital cost (A+B)</b>            | <b>1889.22</b>                               | <b>1885.50</b>                                  |



Table-3: Financing for MB-II as on COD (Rs. Crore)

| Particulars                  | Approved in Tariff Order dated 11.04.2015 | Approved in Tariff Order dated 05.04.2016 |
|------------------------------|---|---|
| <b>Loans</b>                 |   |   |
| PFC Loan                     | 1200.00                                   | 1200.00                                   |
| Unpaid Liability             | 0.00                                      | 0.00                                      |
| Guarantee Fee Payable        | 0.00                                      | 0.00                                      |
| Normative Loan               | 122.45                                    | 119.85                                    |
| <b>Total debts</b>           | <b>1322.45</b>                            | <b>1319.85</b>                            |
| <b>Equity</b>                |   |   |
| PDF                          | 341.39                                    | 326.76                                    |
| GoU Budgetary support        | 61.38                                     | 74.89                                     |
| Pre-2002 expense             | 164.00                                    | 164.00                                    |
| <b>Total Equity</b>          | <b>566.77</b>                             | <b>565.65</b>                             |
| <b>Total Loan and Equity</b> | <b>1889.22</b>                            | <b>1885.50</b>                            |

1.3.4. In this regard it is also to submit that the petitioner had also filed review petition against the Tariff Order Dated 11.04.2015 before the Hon'ble UERC on several issues including the matter of capital cost & disallowance of Return on Equity (RoE) on the amount invested out of Power Development Fund (PDF) for construction of MB-II HEP on 09.09.2015 along with all necessary documentary support and requested the Hon'ble Commission in respect of MB-II HEP as under:

*...to kindly consider the delay of last six months in the Project on account of "uncontrollable factors" and also allow Guarantee Fee of Rs. 12.00 Crore provided for FY 2007-08 and paid in FY 2008-09 and approve the capital cost accordingly.*

*.... to kindly consider the Petitioner's claim of Return on Equity on the investment of Rs. 341.39 Crore made out of the PDF for MB-II HEP from FY 2007-08 to FY 2014-15 along with carrying cost and re-approve the AFC of MB-II accordingly.*

1.3.5. The Hon'ble Commission passed the order on 22.01.2016 against the aforementioned submissions in respect of MB-II HEP made under the review petition filed by UJVN Ltd as under:

  
(Suresh Chandra Bafuni)  
Director (Project)  
UJVN Limited

*With regard to examination of the delay of last six months in the Project on account of "uncontrollable factors", the Commission had appointed an expert consultant for the evaluation of the same, who had reviewed all submissions of the Petitioner in this regard and had submitted a report which was examined by the Commission and accordingly the Commission came to the conclusion that the delay in the project except for delay of the last 6 months was on account of factors beyond the control of the Petitioner. Since, it could not be established that the last 6 months delay was on account of controllable factors or due to uncontrollable factors, consequently, the Commission allowed the 50% of the excess IDC and 50% of price variation while approving the Capital cost for the delay of last 6 months in accordance with the principle laid down by Hon'ble APTEL in its judgment in Appeal No. 72 of 2010.*

*Therefore, the Commission opines that the view adopted by the Commission in the Order dated 11.04.2015 was based on the records brought before the Commission and also in line with the principle laid down by Hon'ble APTEL in similar matters. Hence, the Commission does not find any error apparent on the face of record and therefore, the contentions of the Petitioners cannot be considered as point for review.*

*Based on the observations made above, the Commission is of the view that this issue does not qualify for review as there is neither any error apparent on the face of record nor there discovery of new and important matter or evidence. Therefore, the Commission holds that the review of this issue of RoE on investments made out of PDF is not maintainable, hence, decides to reject the review of this particular issue.*

- 1.3.6. Subsequently, the petitioner has filed appeals before the Hon'ble Appellate Tribunal for Electricity (APTEL), on denial of Return on Equity on investment made from PDF for MB-II HEP and allowing only 50% of excess IDC & price variation component of Capital Cost for the last six months before CoD of MB-II HEP against this Hon'ble Commission's Tariff Order dated 11.04.2015 & Order dated 22.01.2016, Tariff Order dated 05.04.2016 and Tariff Order

dated 29.03.2017. Decision in the matter is still pending.

1.3.7. The Hon'ble Commission in Tariff Order dated 18.04.2020 continued to approve the Capital Cost of Rs. 1,885.50 Crore for MB-II. The relevant extracts are as below:

"Moreover, the Petitioner has filed an Appeal before the Hon'ble ATE vide its Appeal No. 283 of 2016 agitating the issue of Capital Cost of MB-II LHP and RoE on PDF against the principle adopted by the Commission in its MYT Order dated 05.04.2016. As the matter is still pending before the Hon'ble ATE, therefore, pending disposal of the Appeal, the Commission does not find any reason to revisit the capital cost of MB-II LHP approved by it in the Tariff Order dated 27.02.2019

Accordingly, in line with the above decision in MYT Order dated 27.02.2019, the Commission for the purposes of this Tariff Order is considering the capital cost for MB-II Power Station as on CoD, i.e. 15.03.2008, as Rs. 1885.50 Crore as per the details given below"

1.3.8. The Petitioner submits that in Order to comply with the directives issued in Tariff Orders dated 05.04.2016, 29.03.2017, 21.03.2018, 27.02.2019 & 18.04.2020 and the matter pending before Hon'ble APTEL the Petitioner for the purpose of this Petition has claimed the Capital Cost of Rs. 1,885.50 Crore and RoE on PDF for MB-II in line with the approved amount. Notwithstanding the claim of Capital Cost of Rs. 1,885.50 Crore and RoE on PDF in the instant Petition, the petitioner requests the Hon'ble Commission to pass on the impact of the Capital Cost for MB-II (i.e. Rs. 1923.60 Crore) and RoE on PDF as claimed previously, if the Appeal filed before the Hon'ble APTEL in this regard is ruled in favour of the Petitioner.

1.3.9. Keeping in view the above facts, it is respectfully submitted that the petitioner has considered the opening GFA and Equity for FY 2022-23 as approved by the Hon'ble Commission in the previous Tariff Orders.



## 1.4 Additional Capitalisation

1.4.1 The actual and the revised projections of the additional capitalisation for the true-up year, current year and for ensuing year are as detailed below:

Table 4: Additional Capitalisation for FY 2022-23, FY 2023-24 and FY 2024-25.

(In Rs. Crore)

| Particulars                  | FY 2022-23<br>(Approved) | FY 2022-23<br>(actual) | FY 2023-24<br>(Approved) | FY 2023-24<br>(RE) | FY 2024-25<br>(Approved) | FY 2024-25<br>(projected) |
|------------------------------|--------------------------|------------------------|--------------------------|--------------------|--------------------------|---------------------------|
| a) Land                      | -                        | -                      | -                        | -                  | -                        | 1.00                      |
| b) Building                  | -                        | 2.58                   | -                        | 6.58               | -                        | 0.04                      |
| c) Major Civil Works         | -                        | 31.36                  | -                        | 14.08              | -                        | 52.01                     |
| d) Plant & Machinery         | -                        | 3.78                   | -                        | 11.97              | -                        | 32.11                     |
| e) Vehicles                  | -                        | 0.23                   | -                        | 0.26               | -                        | -                         |
| f) Furniture and Fixtures    | -                        | 0.01                   | -                        | 0.04               | -                        | 0.20                      |
| g) Office Equipment & Others | -                        | 0.11                   | -                        | 0.07               | -                        | 0.10                      |
| g) IT Equipments             | -                        | 1.53                   | -                        | 0.05               | -                        | -                         |
| <b>Total Capitalisation</b>  | <b>19.55</b>             | <b>39.59</b>           | <b>21.06</b>             | <b>33.05</b>       | <b>50.84</b>             | <b>85.46</b>              |

1.4.2 The additional capitalization as given in the above table also includes the capital expenditure incurred /to be incurred on DRIP Works.

1.4.3 It is pertinent to note here that in order to ensure efficiency, safety and continuous operation of the plant, the additional capitalization was required to be incurred. It is also to be noted that the actual additional capital expenditure incurred for FY 2022-23 was in accordance to Regulation 22 (2) of the UERC (Terms and Conditions of determination of Tariff) Regulations, 2021.

1.4.4 Therefore, it is respectfully prayed that the Additional Capitalisation as proposed in the table 4 above may kindly be allowed by the Hon'ble Commission.

## 1.5 Debt Equity Ratio

1.5.1 In accordance with the Regulation 24 of Tariff Regulations, 2021 and Tariff Orders passed by the Hon'ble Commission, normative debt-equity ratio of 70:30 has been considered for True-up of FY 2022-23 and for projections of



FY 2023-24 & 2024-25 except DRIP Works for which debt-equity ratio of 80:20 has been considered. This normative debt-equity ratio has been considered on GFA as on CoD and additional capitalisation incurred till respective financial year.

## 1.6 Return on Equity

1.6.1 It is respectfully submitted that in view of para 1.3 above, petitioner has computed return on equity on opening equity for each financial year as considered by the Hon'ble Commission in its earlier tariff orders. Further, Petitioner very humbly request the Hon'ble Commission to allow return of equity on actual additional capitalization made during FY 2022-23 in true up.

1.6.2 The actual Return on Equity for FY 2022-23 based on audited accounts and the revised/proposed estimates for FY 2023-24 and FY 2024-25 are in accordance to the applicable regulations given below:

**Table 5: Calculation of RoE for FY 2022-23, FY 2023-24 and FY 2024-25**

| Particulars      | (In Rs. Crore)           |                         |                          |                    |                          |                           |
|------------------|--------------------------|-------------------------|--------------------------|--------------------|--------------------------|---------------------------|
|                  | FY 2022-23<br>(Approved) | FY 2022-23<br>(Claimed) | FY 2023-24<br>(Approved) | FY 2023-24<br>(RE) | FY 2024-25<br>(Approved) | FY 2024-25<br>(projected) |
| Equity           | -                        | 316.57                  | -                        | 325.87             | -                        | 335.21                    |
| Rate of return   | 16.50%                   | 16.50%                  | 16.50%                   | 16.50%             | 16.50%                   | 16.50%                    |
| Return on Equity | 52.67                    | 52.23                   | 52.88                    | 53.77              | 54.01                    | 55.31                     |

1.6.3 It is respectfully prayed that the Hon'ble Commission may kindly consider and allow the Return on Equity as proposed in the above table.

## 1.7 Depreciation

1.7.1 It is submitted that the depreciation on Opening GFA & Additional Capitalisation from FY 2007-08 onwards has been computed based on the rates specified under the Tariff Regulations 2004, 2011, 2015, 2018 & 2021 as applicable for relevant year(s).

1.7.2 The Depreciation for FY 2022-23, FY 2023-24 and FY 2024-25 has been computed considering actual and proposed additional capitalization in

accordance to the applicable provisions and the rates provided under Appendix II of Tariff Regulations, 2021. The asset class wise rates considered as per the said Regulations are as given in the table below:

Table 6: Rates of Depreciation as per Appendix II of UERC Tariff Regulations, 2021

| Particulars               | Depreciation Rates |
|---------------------------|--------------------|
| Land                      | 0.00%              |
| Building                  | 3.34%              |
| Major Civil Works         | 5.28%              |
| Plant & Machinery         | 5.28%              |
| Vehicles                  | 9.50%              |
| Furniture and Fixtures    | 6.33%              |
| Office Equipment & Others | 6.33%              |
| IT Equipments             | 15.00%             |

Table 7: Depreciation for FY 2022-23, FY 2023-24 and FY 2024-25

| Year                      | (In Rs. Crore)        |                      |                       |                 |                       |                        |
|---------------------------|-----------------------|----------------------|-----------------------|-----------------|-----------------------|------------------------|
|                           | FY 2022-23 (Approved) | FY 2022-23 (Claimed) | FY 2023-24 (Approved) | FY 2023-24 (RE) | FY 2024-25 (Approved) | FY 2024-25 (projected) |
| Opening GFA               | 2,266.89              | 2,266.91             | 2,286.44              | 2,306.51        | 2,307.50              | 2,339.55               |
| Additional Capitalisation | 19.55                 | 39.59                | 21.06                 | 33.05           | 50.84                 | 85.46                  |
| Depreciation              | 46.65                 | 51.68                | 46.21                 | 52.86           | 47.19                 | 54.43                  |

1.7.3 It is respectfully prayed that the Hon'ble Commission may kindly consider and allow the depreciation as proposed in the above Table.

## 1.8 Interest on Loan Capital

1.8.1 It is respectfully submitted that in accordance with the earlier tariff orders of the Hon'ble Commission, for the purpose of calculation of interest on loan, normative debt has been considered as 70% on additional capitalisation. Whereas, for DRIP works normative debt has been considered as 80%

1.8.2 Rate of Interest for normative loan for MB-II is assumed to be same as weighted average rate of all the loans of MB-II for FY 2022-23.

1.8.3 The Petitioner further submits that a fee of Rs. 0.98 Cr. has been paid to Government of Uttarakhand on PFC Loan as Guarantee fee in FY 2022-23. The Petitioner pleads before the Hon'ble Commission to allow the recovery of the same from the beneficiaries as part of Annual Fixed Charges.

1.8.4 Accordingly, the interest on loan has been calculated as under:-

Table 8: Interest on Loan for FY 2022-23, FY 2023-24 and FY 2024-25

(In Rs. Crore)

| Particulars       | FY 2022-23<br>(Approved) | FY 2022-23<br>(Claimed) | FY 2023-24<br>(Approved) | FY 2023-24<br>(RE) | FY 2024-25<br>(Approved) | FY 2024-25<br>(projected) |
|-------------------|--------------------------|-------------------------|--------------------------|--------------------|--------------------------|---------------------------|
| Opening Balance   |                          | 449.90                  |                          | 428.50             |                          | 399.35                    |
| Addition          | -                        | 30.29                   | -                        | 23.71              | -                        | 63.84                     |
| Repayment         | -                        | 51.68                   | -                        | 52.86              | -                        | 54.43                     |
| Closing Balance   | -                        | 428.50                  | -                        | 399.35             | -                        | 408.76                    |
| Average Loan      | -                        | 439.20                  | -                        | 413.93             | -                        | 404.05                    |
| Rate of Interest  | -                        | 9.79%                   | -                        | 10.26%             | -                        | 10.26%                    |
| Interest on Loan* | 46.55                    | 43.99                   | 38.81                    | 42.78              | 36.98                    | 38.18                     |

\*Including guarantee fee ( Rs. 0.98 Cr for FY 2022-23, Rs. 0.33 Cr for FY 2023-24 & Rs. 0.00 Cr for 2024-25)

1.8.5 It is respectfully prayed that the Hon'ble Commission may kindly consider and allow the Interest on Loan as proposed in the above table.

## 1.9 Operation and Maintenance (O&M) expenses

1.9.1 In accordance to the Regulation 30 (1) of Regulations, 2021 regarding Operation and Maintenance (O&M) expenses

*"Operation and Maintenance or O&M expenses' shall comprise of expenses incurred on manpower, repair & maintenance (R&M) and administrative and general expenses, including insurance expenses."*

1.9.2 O & M expenses for the FY 2022-23 have been considered as per the audited accounts. A copy of the audited Balance sheet for FY 2022-23 along with provisional segregated Annual Accounts for each of 10 LHPs & SHP for the FY 2022-23 is placed at Appendix-1.

1.9.3 The O&M Expenses for 2024-25 have been projected in accordance with the Regulation 48 (2d) of UERC Regulations, 2021.



1.9.4 The average CP Inflation and WP Inflation used for the escalation of Employee Cost, R&M and A&G cost respectively is as follows:

**Table 9: CPI and WPI Inflation FY 2022-23, FY 2023-24 and FY 2024-25**

| Year          | FY 2022-23<br>(Approved) | FY 2022-23<br>(actual) | FY 2023-24<br>(Approved) | FY 2023-24<br>(RE) | FY 2024-25<br>(Approved) | FY 2024-25<br>(projected) |
|---------------|--------------------------|------------------------|--------------------------|--------------------|--------------------------|---------------------------|
| CPI Inflation | 6.00%                    | 5.89%                  | 5.89%                    | 5.40%              | 6.00%                    | 5.40%                     |
| WPI Inflation | 2.42%                    | 5.32%                  | 5.32%                    | 7.90%              | 2.42%                    | 7.90%                     |

1.9.5 The K factor approved by the Hon'ble Commission in previous tariff orders has been considered for projection of R&M expenses of FY 2023-24 & FY 2024-25.

1.9.6 The Growth Factor (Gn) has been approved by the Hon'ble Commission in the Tariff Order dated 31.03.2022 & 30.03.2023 for FY 2022-23 to FY 2024-25. For the projections of Employee Cost for FY 2023-24 and FY 2024-25 the petitioner has taken Growth Factor on the basis of tentative recruitment which is under process and considering upcoming retirement of employees of the company. The recruitment plan of the petitioner has been annexed here as Annexure 2. The Growth Factor approved by this Hon'ble Commission and considered in the petition is tabulated below:

**Table 10: Growth Factor (Gn) for FY 2022-23, FY 2023-24 and FY 2024-25**

| Particular    | FY 2022-23<br>(Approved) | FY 2022-23<br>(Claimed) | FY 2023-24<br>(Approved) | FY 2023-24<br>(RE) | FY 2024-25<br>(Approved) | FY 2024-25<br>(projected) |
|---------------|--------------------------|-------------------------|--------------------------|--------------------|--------------------------|---------------------------|
| Growth Factor | 0.60%                    | 0.00%                   | 2.92%                    | 2.28%              | 2.15%                    | 2.08%                     |

1.9.7 In accordance with Regulation 14 of UERC Tariff Regulations 2021, the sharing of gains and losses on account of controllable factors for the financial year (FY) 2022-23 is to be done as follows:

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited



- “
- (1) The approved aggregate gain and loss to the Applicant on account of controllable factors shall be dealt with in the following manner:
- a) 1/3rd of such gain or loss shall be passed on as a rebate or allowed to be recovered in tariffs over such period as may be specified in the Order of the Commission;
- b) The balance amount of such gain or loss may be utilized or absorbed by the Applicant. “

1.9.8 The O&M expenses approved by the Hon'ble Commission, Actual & Claimed expenses (after sharing of loss & gain) for FY 2022-23, Revised Estimates for FY 2023-24 and Projections for FY 2024-25 are as under:

Table 11: O&M Expenses for FY 2022-23, FY 2023-24 and FY 2024-25

(In Rs. Crore)

| Particulars        | FY 2022-23 (Approved) | FY 2022-23 (actual) | FY 2022-23 (Claimed) After Sharing of Loss/Gain | FY 2023-24 (Approved) | FY 2023-24 (RE) | FY 2024-25 (Approved) | FY 2024-25 (projected) |
|--------------------|-----------------------|---------------------|---|-----------------------|-----------------|-----------------------|------------------------|
| Employee Cost      | 30.11                 | 37.84               | 37.84   | 32.87                 | 41.52           | 35.49                 | 44.68                  |
| R&M Cost           | 21.37                 | 26.31               | 23.02   | 22.09                 | 23.39           | 21.76                 | 23.73                  |
| A&G Cost           | 12.36                 | 14.97               | 13.23   | 14.09                 | 16.15           | 12.59                 | 17.42                  |
| Total O&M Expenses | 63.84                 | 79.11               | 74.08   | 69.05                 | 81.07           | 69.84                 | 85.83                  |

1.9.9 Further, the Hon'ble Commission in MYT order dated 31.03.2022 and previous tariff order has allowed the Employee Cost, insurance expenses, ERP expenses, Petition filing fees, security expenses on actual basis. Therefore, it is humbly prayed that these expenses may kindly be allowed on actual basis for true up of FY 2022-23.

1.9.10 It is respectfully prayed that the Hon'ble Commission may kindly consider and allow the Operation and Maintenance Expenses as proposed in Table 11 above.

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVNL Limited

## 1.10 Interest on Working Capital

1.10.1 In accordance with the norms established under Regulation 33 (1) (b) of UERC Tariff Regulations, 2021, the components of working capital are as follows:

- Operation & Maintenance expense for one month;
- Maintenance spares @15% of operation and maintenance expenses; and
- Receivables equivalent to two months of the annual fixed charge.

1.10.2 Further, in accordance to the Regulation 33 of UERC Tariff Regulations 2021, which provides the norms for the calculation of rate of interest on working capital for the Hydro Generating Stations, the computation shall be on the basis of following factors:

*"Rate of interest on working capital shall be on normative basis and shall be equal to the weighted average of 'one year Marginal Cost of Funds based Lending Rate (MCLR)' as declared by State Bank of India from time to time for the financial year in which the application for determination of tariff is made plus 350 basis points."*

1.10.3 In accordance to the aforementioned regulation, the rate of Interest on Working Capital is considered as per State Bank MCLR as applicable on date of filing of petition for Tariff determination. The copy of the Historical MCLR is placed at Annexure-3.

Table 12: Interest on Working Capital for FY 2022-23, FY 2023-24 and FY 2024-25

(In Rs. Crore)

| Particulars                           | FY 2022-23<br>(Approved) | FY 2022-23<br>(Claimed) | FY 2023-24<br>(Approved) | FY 2023-24<br>(RE) | FY 2024-25<br>(Approved) | FY 2024-25<br>(projected) |
|---------------------------------------|--------------------------|-------------------------|--------------------------|--------------------|--------------------------|---------------------------|
| O & M expenses - 1 month              | 5.32                     | 6.59                    | 5.75                     | 6.76               | 5.82                     | 7.15                      |
| Spares (15% of O&M Expenses)          | 9.58                     | 11.87                   | 10.36                    | 12.16              | 10.48                    | 12.87                     |
| Receivables- 2 months                 | 35.71                    | 38.84                   | 35.34                    | 39.51              | 35.45                    | 40.16                     |
| Total Working Capital                 | 50.61                    | 57.30                   | 51.45                    | 58.43              | 51.75                    | 60.19                     |
| Interest Rate (MCLR+3.5%)             | 10.50%                   | 10.50%                  | 10.29%                   | 11.30%             | 10.50%                   | 12.02%                    |
| Normative Interest on Working Capital | 5.31                     | 6.02                    | 5.81                     | 6.60               | 5.43                     | 7.24                      |

1.10.4 It is respectfully prayed that the Hon'ble Commission may kindly consider and allow the Interest on Working Capital as proposed in the above table.

### 1.11 Non-Tariff Income

1.11.1 In accordance to the Regulation 46 of UERC Tariff Regulations, 2021, the Non-Tariff Income for any Generating Station is to be considered as:

*"The amount of non-tariff income relating to the Generation Business as approved by the Commission shall be deducted from the Annual Fixed Charges in determining the Net Annual Fixed Charges of the Generation Company.*

*Provided that the Generation Company shall submit full details of its forecast of nontariff income to the Commission in such form as may be stipulated by the Commission from time to time."*

1.11.2 The Non-Tariff income for the FY 2022-23 as claimed for true up of tariff is based on audited accounts.

1.11.3 The Non-Tariff income for the FY 2022-23 has been claimed in accordance to the following exception provided in the Regulation 46 of UERC Tariff Regulations, 2021–

*"...Provided that the interest earned from investments made out of Return on Equity corresponding to the regulated business of the Generating Company shall not be included in Non-Tariff Income. "*

1.11.4 The Non-Tariff income for the revised estimates for FY 2023-24 and FY 2024-25 have been considered as approved by the Hon'ble Commission in Tariff Order dated 31.03.2022.

1.11.5 The non-tariff income earned by the Petitioner has been deducted from the Annual Fixed Charges to arrive at net Annual Fixed Charges.

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited



Table 13: Non-Tariff Income for FY 2022-23, FY 2023-24 and FY 2024-25

| Particulars       | (In Rs. Crore)           |                         |                          |                    |                          |                           |
|-------------------|--------------------------|-------------------------|--------------------------|--------------------|--------------------------|---------------------------|
|                   | FY 2022-23<br>(Approved) | FY 2022-23<br>(Claimed) | FY 2023-24<br>(Approved) | FY 2023-24<br>(RE) | FY 2024-25<br>(Approved) | FY 2024-25<br>(projected) |
| Non-Tariff Income | 0.73                     | 1.49                    | 0.73                     | 0.73               | 0.73                     | 0.73                      |

## 1.12 Design Energy

1.12.1 It is respectfully submitted that the Hon'ble Commission in its earlier orders had approved the Design Energy and saleable energy of 1291 MU and 1278.09 MU respectively for the MB-II HEP.

1.12.2 Further as per the directions of Hon'ble Commission in Tariff order dated 18.04.2020 the actual impact of NGT/NMGC order for FY 2022-23 & FY 2023-24 is enclosed at Annexure- 4.

## 1.13 Annual Fixed Charges

1.13.1. The Annual Fixed Charges (AFC) for FY 2022-23 considered for True up of tariff based on Audited Accounts and the Revised Estimates of AFC for the FY 2023-24 and FY 2024-25 for MB-II power plant are detailed below:

Table 14: Annual Fixed Charges for FY 2022-23, FY 2023-24 and FY 2024-25

| Particulars                      | (In Rs. Crore)           |                         |                          |                    |                          |                           |
|----------------------------------|--------------------------|-------------------------|--------------------------|--------------------|--------------------------|---------------------------|
|                                  | FY 2022-23<br>(Approved) | FY 2022-23<br>(Claimed) | FY 2023-24<br>(Approved) | FY 2023-24<br>(RE) | FY 2024-25<br>(Approved) | FY 2024-25<br>(projected) |
| Depreciation                     | 46.65                    | 51.68                   | 46.21                    | 52.86              | 47.19                    | 54.43                     |
| Interest on Loan                 | 46.55                    | 43.99                   | 38.81                    | 42.78              | 36.98                    | 38.18                     |
| Interest on Working Capital      | 5.31                     | 6.02                    | 5.81                     | 6.60               | 5.43                     | 7.24                      |
| O&M Exp(after Sharing loss/gain) | 63.84                    | 74.08                   | 69.05                    | 81.07              | 69.84                    | 85.83                     |
| ROE                              | 52.67                    | 52.23                   | 52.88                    | 53.77              | 54.01                    | 55.31                     |
| Gross AFC                        | 215.02                   | 228.00                  | 212.76                   | 237.08             | 213.45                   | 240.99                    |
| Less Non tariff income           | 0.73                     | 1.49                    | 0.73                     | 0.73               | 0.73                     | 0.73                      |
| Total AFC                        | 214.29                   | 226.51                  | 212.03                   | 236.35             | 212.72                   | 240.26                    |

1.13.2. It is respectfully prayed that the Hon'ble Commission may kindly consider and allow the aforesaid Annual Fixed Charges which have been computed in accordance to the UERC Tariff Regulations, 2021.

  
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UJVN Limited



### 1.14 Truing up of FY 2022-23

1.14.1 Gap/(surplus) between Approved and claimed AFC for truing up of financial year 2022-23 are provided in the table given below:

Table 15: Approved & Actual Annual Fixed Charges for FY 2022-23

| (In Rs. Crore)                   |                          |                         |
|----------------------------------|--------------------------|-------------------------|
| Particulars                      | FY 2022-23<br>(Approved) | FY 2022-23<br>(Claimed) |
| Depreciation                     | 46.65                    | 51.68                   |
| Interest on Loan                 | 46.55                    | 43.99                   |
| Interest on Working Capital      | 5.31                     | 6.02                    |
| O&M Exp(after Sharing loss/gain) | 63.84                    | 74.08                   |
| ROE                              | 52.67                    | 52.23                   |
| Gross AFC                        | 215.02                   | 228.00                  |
| Less Non tariff Income           | 0.73                     | 1.49                    |
| Net AFC                          | 214.29                   | 226.51                  |
| AFC Gap/(Surplus)                |                          | 12.22                   |

1.14.2 It is respectfully submitted that the net truing up amount on the basis of allowable and actual recovery from the beneficiary after sharing gain/loss have been calculated is given in the table here below:

Table 16: Net Truing Up for FY 2022-23

| Summary of net truing up for FY 2022-23 for UPCL |                                |                             |           |                 |                                       |   |                             |   |                               |                     |                              |                         |                       |                          |                                      |                            |                            |   |
|--|--------------------------------|-----------------------------|-----------|-----------------|---------------------------------------|---|-----------------------------|---|-------------------------------|---------------------|------------------------------|-------------------------|-----------------------|--------------------------|--------------------------------------|----------------------------|----------------------------|---|
| Beneficiary/Particulars                          | AFC to be recovered (Rs Crore) | Capacity Charges (Rs Crore) | NAPAF (%) | Actual PAFY (%) | Capacity charges allowable (Rs Crore) | Capacity charges after sharing (Rs Crore) | Saleable Primary Energy(MU) | Saleable Primary Energy(Up to Original Design Energy(MU)) | Actual Energy Considered (MU) | Primary Energy (MU) | Primary Energy Rate (Rs/kWh) | Allowable EC (Rs Crore) | Secondary energy (MU) | Sec Energy Rate (Rs/kWh) | Total Sec. Energy charges (Rs Crore) | Total allowable (Rs Crore) | Total recovered (Rs Crore) | Truing Up Impact (Rs Crore)- Recoverable/(Refundable) |
| UPCL   | 226.51                         | 113.26                      | 75.00%    | 80.08%          | 113.26                                | 113.26                                    | 1278.09                     | 1550.44   | 1280.64                       | 1280.64             | 0.886                        | 113.26                  | 0.00                  | 0.730                    | 0.00                                 | 226.51                     | 214.29                     | 12.22   |

### 1.15 Net Impact of truing up for FY 2022-23

1.15.1. As presented in section 1.14 of this petition, Truing up amount on account of EC/CC and Sharing of Loss and gain would be Recovered from or (Refunded) to the Beneficiary on account of True up of the Annual Fixed Charge of the FY 2022-23. Net amount to be Recovered/(Refunded) including carrying cost is

as given below:

Table 17: Net Impact of truing up for FY 2022-23

| Particulars                        | (Rs Crore) |            |
|------------------------------------|------------|------------|
|                                    | FY 2022-23 | FY 2023-24 |
| Opening Balance                    | -          | 12.87      |
| Total True up amount Gap/(Surplus) | 12.22      | -          |
| Carrying Cost                      | 0.64       | 1.45       |
| Amount Recoverable/ (Refundable)   | 12.87      | 14.32      |
| Interest Rate                      | 10.50%     | 11.30%     |

- 1.15.2. It is respectfully prayed that the truing up of FY 2022-23 as shown above may kindly be approved.

## 1.16 Income Tax

- 1.16.1. It is respectfully submitted that as per Regulation 34 of UERC Tariff Regulations, 2021.

*"Income Tax, if any, on the income stream of the regulated business of Generating Companies, Transmission Licensees, Distribution Licensees and SLDC shall be reimbursed to the Generating Companies, Transmission Licensees, Distribution Licensees and SLDC as per actual income tax paid, based on the documentary evidence submitted at the time of truing up of each year of the Control Period, subject to the prudence check."*

- 1.16.2. On the basis of filling of I Tax return, the amount recoverable from beneficiaries is determined. The actual claim for income tax reimbursement for true up for 10 LHPs of UJVNL is enclosed at Annexure-5.
- 1.16.3. It is submitted that the UJVNL claims the reimbursement of income tax immediately on final assessment of tax & payment of the same to the income tax department. However, there is substantial delay in receiving the reimbursement of the tax paid from UPCL. The delay in receiving the claim

adversely impacts the cash flow of UJVNL. Therefore, it is prayed that the Hon'ble Commission may issue appropriate direction to UPCL for prompt payment of income tax reimbursement claims. Moreover, it is humbly requested that the amount of income tax to be recovered from beneficiaries may kindly be allocated in the Tariff Order itself after prudence check.

- 1.16.4. In view of the above, it is respectfully submitted that income tax on actual basis may kindly be allowed to be recovered from the beneficiaries

### 1.17 Water Tax, Cess & Royalty

1.17.1. **Water Tax:** Government of Uttarakhand has imposed duty under The Uttarakhand Water Tax on Electricity Generation Act, 2012(Act 09 of 2013). As per the Government of Uttarakhand Order No. 2883/II-2015/01(50)/2011 dated 07 November 2015 and subsequent orders dated 21.08.2019 & 02.12.2021, water tax is to be paid by the generating company to the Government of Uttarakhand for use of water for generation of electricity. The tentative calculation of the impact of water tax for FY 2024-25 on Petitioner's Power Stations has been enclosed at Annexure-6. The Hon'ble Commission may kindly allow to recover the same from UPCL.

1.17.2. **Cess:** Government of Uttarakhand has imposed duty under Uttarakhand Power Development Fund Act, 2012 (Act of 21 of 2003). As per the Government of Uttarakhand Notification No. 601/I(2)/04(1)-1/2017 dated 31 May 2017 the cess of Rs 0.30/unit is applicable to the Hydro Power Plants in commercial operation for over ten years and the tariff of the plant is not more than Rs. 2.00 per unit. The Hon'ble Commission may kindly allow to recover the same from UPCL.

1.17.3. **Royalty:** As per the Government of Uttarakhand Notification No. 600/I(2)/2017-04(1)-01/2017 dated 31 May 2017 the Royalty of Rs 0.10/unit is applicable to the Hydro Power Plants in commercial operation for over ten years and the tariff of the plant is not more than Rs. 2.00 per unit. The Hon'ble Commission may kindly allow to recover the same from UPCL.



## Chapter 2. Status of Directives in Tariff Order Dated 30<sup>th</sup> March, 2023

### Action Taken by UJVNL on the Directives

It is respectfully submitted that the Petitioner has taken following action on the directives issued by Hon'ble Commission in the Tariff Order dated 30.03.2023:

| S.No. | Directives   | Action to be Taken by the Petitioner   |
|-------|--|--|
| 1.    | <b>Transfer Scheme (5.1.1)</b><br>".....The Commission, therefore, directs the Petitioner to closely follow up the pending issues and submit quarterly status report to the Commission. The Commission further reiterates that there has been an inordinate delay in the finalization of the Transfer Scheme, which is attributable to the Petitioner, hence, any consequential claim arising due to finalization of the Transfer Scheme shall be considered on merits by the Commission without any carrying cost on the same." | Quarterly Progress Report upto September 2023 has been submitted to the Hon'ble Commission vide letter no. 43 dated 16.11.2023.  |
| 2.    | <b>Design Energy (5.1.2):</b><br>"...the Commission again directs the Petitioner to nominate/depute senior officers to pursue the above matter personally with appropriate authorities to arrange the DPR for each of its 9 Large Hydro Generating Stations along with the next Tariff Petition."  | It is to submit that efforts are being made to trace out the Original DPRs of old LHPs of UJVNL Ltd. However, no DPR except Chibro and Khodri could be found which have already been submitted to the Hon'ble UERC. In case the DPR of any of the other plants becomes available, the same shall be submitted with the Hon'ble UERC. However, new DPRs of project under RMU have been submitted with the Hon'ble UERC for kind consideration and approval. |
| 3.    | <b>Status of upcoming projects (5.2.1):</b><br>".....The Commission directs the Petitioner to continue submitting the quarterly progress report on status of all upcoming projects without fail."  | Quarterly Progress Report upto September 2023 has been submitted to the Hon'ble Commission vide letter no. 43 dated 16.11.2023.  |
| 4.    | <b>Utilisation of Expenses approved by the Commission (5.2.2):</b><br>".....The Commission directs the Petitioner to continue submitting the annual budget for future financial years by 31st May of the respective financial year."   | Annual Budget for FY 2023-24 has been submitted to the Hon'ble Commission vide letter no. M-754 dated 05.07. 2023.   |
| 5.    | <b>RMU works of Khatima LHP (5.3.2):</b><br>".....The Commission has noted the submissions of the Petitioner and again directs the Petitioner to complete all the works covered under RMU of Khatima as soon as possible by making its best possible efforts and with regard   | The RMU of Machines of Khatima has already been completed in 2016. However, the petitioner is making its utmost efforts for completing the remaining civil works related to upstream and downstream.   |

| S. No. | Directives   | Action to be Taken by the Petitioner  |
|--------|--|---|
|        | to the pending works related to the safety of the Plant, the Commission again cautions that any occurrence of damage in future due to delay in execution of the works shall solely be attributable to UJVN Ltd."   |   |
| 6.     | <b>Non-Tariff Income (5.3.3):</b><br><br>".....The Commission took note of the same and further directs the Petitioner to maintain proper accounting with regard to disposal of such assets including sale of scrap and submit the same separately along with subsequent tariff filings."  | Noted for compliance.   |
| 7.     | <b>Balance Capital Works of MB-II HEP (5.4.1)</b><br>".....the Commission has decided to close the account of works proposed under Balance Capital Works.<br>..... the Commission directs the Petitioner to complete the works for testing of Surge shaft gate as soon as possible and cautions that any occurrence of damage to safety of the MB-II plant in future due to delay in execution of the testing of surge shaft gate shall be solely attributable to UJVN Ltd."   | The Hon'ble Commission has closed the accounts of the works proposed under Balance Capital Works.   |
| 8.     | <b>Insurance Claim of Chilla HEP due to flooding event in July 13, 2018 (5.5.1)</b><br><br>".....the Commission again directs the Petitioner to expedite the claim process and submit the details of final Insurance claim received in the next Tariff proceedings."   | The Claim for Material Damage (MD) Rs. 10.05 Crore has been received to UJVNL. For Business Interruption (BI) loss, the acceptance of net assessed value of Rs. 2.85 Crore has been submitted to the insurance company for releasing the payment. Regular follow up is been done by UJVNL.  |
| 9.     | <b>Impact of NGT Order dated August 9, 2017 on Design Energy (5.5.2)</b><br><br>".... The Commission further directs the Petitioner to maintain separate discharge data of rivers as well as the data of mandatory discharges being released in compliance to NGT/NMCG Order and any other data to substantiate the impact.<br>Further, the Petitioner shall submit the data at the time of Truing-up of FY 2022-23 and also for subsequent years, thereafter, appropriate view will be taken by the Commission in this regard after carrying out due prudence check." | The Order of Hon'ble NGT has already been implemented in compliance of directives of Govt. of Uttarakhand. Minimum 15% of e-flow is being released from all the Dams and Barrages. In Ganga valley Projects e-flow is being released 20%, 25% and 30% in dry, lean and monsoon season respectively and is being monitored by CWC directly. Separate discharge data of the rivers as well as mandatory discharge are being maintained as per directives of the Hon'ble Commission. The data is being submitted with the petitions. |
| 10.    | <b>Delay in completion of RMU works (5.6.1)</b><br><br>".....the Commission directs the Petitioner to ensure that the RMU works are to be completed without any further delay thereby reducing the generation and revenue loss on account of the   | It is respectfully submitted that the petitioner has completed the RMU works of Tiloth and Dhalipur power stations in spite of unprecedented Covid-19 pandemic and consequent restrictions. UJVNL is making all efforts for completion of ongoing RMU   |



| S. No. | Directives   | Action to be Taken by the Petitioner   |
|--------|--|--|
|        | same."   | works of Dhakrani and Chilla.  |
| 11.    | <b>Solar Energy Business (5.7.1)</b><br><br>"...the Commission again directs the Petitioner to ensure that expenses incurred on account of Solar power evacuation should be borne by the developer and any financial implication on account of solar power Plants should not be included in its AFC of respective LHPs."   | It is to submit that the petitioner is not claiming expenses incurred on solar unit in the instant ARR petitions.  |
| 12.    | <b>Auxiliary Energy Consumption (5.7.2)</b><br><br>"...the Commission again directs the Petitioner to ensure correct energy accounting of the Auxiliary Energy Consumption at its Dams/Barrages and their apportionment amongst respective LHPs as per apportionment philosophy/methodology."  | The petitioner has taken necessary measures for correct energy accounting of the Auxiliary Energy Consumption at Dams/Barrages and their apportionment amongst respective HEPs is being done as per the apportionment methodology. |
| 13.    | <b>Release of SOR (5.7.3)</b><br><br>"...The Commission has noted the submission of the Petitioner and directs the Petitioner to release its SoR for the subsequent FY and upload it prior to the commencement of the respective FY."  | The information has been submitted to the Hon <sup>ble</sup> Commission vide letter no. M-753 dated 05.07.2023.  |
| 14.    | <b>Decapitalization Policy (5.7.4)</b><br><br>"...The Commission directs the Petitioner that as a matter of de-capitalisation policy, the Petitioner should continue to carry out de-capitalisation in the same year in which the asset is taken out from its service."  | Noted for compliance.  |
| 15.    | <b>Booking under right Asset head (5.7.5)</b><br><br>"...the Commission directs the Petitioner to make sincere efforts while booking of its expenses under respective heads i.e., Additional Capitalisation or R&M."   | Noted for compliance. It is to submit that due care is being taken for booking of items in appropriate head.   |
| 16.    | <b>Proposed/Planned Additional capitalization Works (5.7.6)</b><br><br>"...with regard to the additional capitalization pertaining to Civil Works, the Commission directs the Petitioner to give priority to those Civil Works which directly/genuinely influence the generation of the Plant or are essentially required for safety of the Plants keeping in view of the budget provision." | Noted for compliance.  |
| 17.    | <b>Security Expense under head of Administrative and General Expenses (5.7.7)</b><br><br>"...The Commission has noted the Petitioner's   | Noted for compliance. It is to submit that cost centre wise security expenses are being provided in the instant petitions.   |



| S. No. | Directives  | Action to be Taken by the Petitioner   |
|--------|---|--|
|        | submission and directs the Petitioner to continue furnishing the cost centre-wise details of security expenses in future Tariff/True-up filings."   |  |
| 18.    | <b>Apportionment of Common Expenses (Vyasi LHP) (5.8.1)</b><br><br>"... The Commission has considered the submission of the Petitioner and directs the Petitioner to adopt sound commercial principles while proposing the revised allocation methodology along with the next Tariff Petition. The Commission as of now has continued with its earlier approach, however, while carrying out the Truing-up of FY 2023-24, the revised allocation principles shall apply." | In the present tariff petitions, the petitioner has adopted methodology of apportionment of common expenses in the ratio of 95:05 among 11 LHPs (9 Old LHPs, MB-II & Vyasi) and SHPs respectively. Earlier 95% expenses were allocated among 09 LHPs and MB-II. Now petitioner's proposal is to include Vyasi HEP with other 09 LHPs & MB-II in 95% common expense. Further, allocation among LHPs is proposed in ratio of the installed capacity of the respective plant. |

#### 4. Cause of Action

The cause of action for the present petition arises on the basis of compliance of the UERC (Terms and Conditions for Determination of Tariff) Regulations 2021.

#### 5. Ground of Relief

Not Applicable

#### 6. Detail of Remedies Exhausted

Not Applicable

#### 7. Matter Not Previously Filed or Pending With any Court

The petitioner(s) further declares that it has not previously filed any petition or writ petition or suit regarding the matter in respect of which this petition has been made, before the Commission, or any other court or any other authority, nor any such writ petition or suit is pending before any of them. However, regarding Capital Cost & RoE on PDF amount invested in MB-II HEP the Petitioner has filed appeals before the Hon'ble APTEL against previous orders passed by this Hon'ble Commission on these issues.

  
 (Suresh Chandra Baluni)  
 Director (Project)  
 UJVN Limited

## 8. Relief Sought

### 8.1. Relief Sought from the Hon'ble Commission

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

8.1.2 The Petitioner respectfully requests that the orders of the Hon'ble Commission may adequately consider the positions expounded in the present petition for approval of Annual Fixed Charges for FY2024-25 and true up for the FY 2022-23 based on audited account. This Petition incorporates substantially improved information as compared to the earlier tariff petition. However, the Petitioner is making continuous efforts to refine the information system. The same may kindly be suitably considered for the orders of the Hon'ble Commission.

8.1.3 The financial projections have been developed based on the Petitioner's assessment, trend available and estimates available. There may be differences between the projections and the actual performance of the Petitioner. The Hon'ble Commission may condone the same. The Petitioner also requests the Hon'ble Commission to allow making revisions to the Petition and submitting additional relevant information that may emerge or become available subsequent to this filing.

8.1.4 The petitioner respectfully requests that the Hon'ble Commission may kindly consider and allow the recovery of Taxes/Levies i.e., Water Tax, Cess and Royalty imposed by Government of Uttarakhand from the beneficiaries in its order.

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

- Accept and approve the accompanying projected financial

information of the Petitioner for determination of generation tariff for the FY 2024-25 and true up for the FY 2022-23 prepared in accordance with Tariff Regulations established by the Hon'ble Commission and directives of the Hon'ble Commission contained in the earlier tariff orders.

- Grant suitable opportunity to the Petitioner with a reasonable time frame to file additional material information that may be subsequently available;
- Grant the waivers prayed with respect to such filing requirements as the Petitioner is unable to comply with at this stage of filing;
- Treat the filing as complete in view of substantial compliance and also the specific humble requests for waivers with justification placed on record;
- Condone any inadvertent omissions/ errors/ shortcomings and permit the Petitioner to add/ change/ modify/ alter this filing and make further submissions as may be required at a future date;
- Consider and approve the Petitioner's application including all requested regulatory treatments in the filing;
- Consider the submissions of Petitioner that could be at variance with the orders and regulations of the Hon'ble Commission, but are nevertheless fully justified from a practical viewpoint;
- Pass such orders as the Hon'ble Commission may deem fit and proper keeping in mind the facts and circumstances of the case.

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

Not Applicable



(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited



## 10. Details of Index

The detail of Index is given at the beginning of the petition.

## 11. Particulars of Fee Remitted

The details of the fee remitted are as follows:

D.D. No - 089974  
In favour of - Uttarakhand Electricity Regulatory Commission  
Name of Bank - PNB, Yamuna Colony  
Dated - 22.11.2023

## 12. List of Enclosures

|     |            |   |
|-----|------------|---|
| i   | Annexure 1 | : Technical Report of MB-II HEP   |
| ii  | Annexure 2 | : Recruitment Plan  |
| iii | Annexure 3 | : State Bank India MCLR   |
| iv  | Annexure 4 | : Impact of NGT Order on Design Energy  |
| v   | Annexure 5 | : Income Tax Reimbursement Claim for True Up  |
| vi  | Annexure 6 | : The tentative calculation of the impact of water tax for FY 2024-25 on UJVN Limited |

  
UJVN Limited Dehradun

Dated:

Petitioner  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

### VERIFICATION

I, Suresh Chandra Baluni S/o Sh. Narayan Prasad Baluni, aged 59 years, working as Director (Projects), UJVN Ltd., residing at 175, Phase-I, Engineers Enclave, GMS Road Dehradun do hereby verify that the contents of the Paragraph Nos. 1 to 12 of the accompanying Petition are true and correct to my personal knowledge and based on the perusal of official records, information received and the legal advice which I believe to be true.



(Signature of Petitioner)

(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

## INDEX OF FORMATS

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 (Suresh Chandra Baluni)  
 Director (Project)  
 UJVN Limited



Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

Form: F-1.1

### Computation of Per Unit Rate

| S. No. | Item  | Units     | Previous Year (n-1)          | Current Year (n)    |                        |                          | Ensuing Year (n+1) |
|--------|---|-----------|------------------------------|---------------------|------------------------|--------------------------|--------------------|
|        |   |           | 2022-23<br>(Actuals/Audited) | Apr-Sep<br>(Actual) | Oct-Mar<br>(Estimated) | Total (April -<br>March) | 2024-25<br>RE      |
| 1      | Annual Fixed Cost   | Rs. Crore | 231.54                       |                     |                        | 236.35                   | 240.26             |
| 2      | Saleable Energy (Design Energy net of auxiliary consumption and home state share) | MU        | 1281.37                      |                     |                        | 1282.25                  | 1282.11            |
| 3      | Per unit Rate of Saleable Energy  | Rs./unit  | 1.81                         |                     |                        | 1.84                     | 1.87               |

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

Form: F-1.2

Summary of Revenue and Revenue Requirement

(Figures in Rs Crore)

| S. No.    | Item   | Previous Year (n-1) |  | Current Year (n) |                     |                       | Ensuing Year (n+1) |  |
|-----------|--|---------------------|--|------------------|---------------------|-----------------------|--------------------|--|
|           |  | 2022-23             |  | 2023-24          |                     |                       | 2024-25            |  |
|           |  | (Actuals/Audited)   |  | Apr-Oct (Actual) | Nov-Mar (Estimated) | Total (April - March) | RE                 |  |
| <b>A.</b> | <b>Generation</b>                              |                     |  |                  |                     |                       |                    |  |
| 1         | Gross Generation (MU)                          | - 1290.21           |  | 914.90           | 374.00              | ✓ 1288.90             | ✓ 1310.00          |  |
| 2         | Aux Consumption and Transformation Losses (%)  | 0.75%               |  | 0.67%            | 0.69%               | 0.68%                 | 0.68%              |  |
| 3         | Aux Consumption and Transformation losses (MU) | 9.63                |  | 6.17             | 2.58                | 8.75                  | 8.89               |  |
| 4         | Net Generation (MU) (1-3)                      | 1,280.58            |  | 908.73           | 371.42              | 1,280.15              | 1,301.11           |  |
| <b>B.</b> | <b>Revenue</b>                                 |                     |  |                  |                     |                       |                    |  |
| 1         | Revenue from Sale of Power                     | 214.29              |  |                  |                     |                       |                    |  |
| 2         | Non-Tariff Income                              | - 1.49              |  |                  |                     |                       |                    |  |
|           | <b>Total Revenue (1+2)</b>                     | <b>215.78</b>       |  |                  |                     |                       |                    |  |
| <b>C.</b> | <b>Expenditure</b>                             |                     |  |                  |                     |                       |                    |  |
| 1         | O&M expenses                                   | 79.11               |  |                  |                     | 81.07                 | 85.83              |  |
| a         | Employee Expenses                              | 37.84               |  |                  |                     | 41.52                 | 44.68              |  |
| b         | Repair and Maintenance                         | 26.31               |  |                  |                     | 23.39                 | 23.73              |  |
| c         | A&G Expense                                    | 14.97               |  |                  |                     | 16.15                 | 17.42              |  |
| d         | Colony Supply and concessional supply          | 0.00                |  |                  |                     | 0.00                  | 0.00               |  |
| 2         | Depreciation                                   | 51.68               |  |                  |                     | 52.86                 | 54.43              |  |
| 3         | Lease Charges                                  |                     |  |                  |                     |                       |                    |  |
| 4         | Interest on Loans                              | 43.99               |  |                  |                     | 42.78                 | 38.18              |  |
| 5         | Interest on Working Capital                    | 6.02                |  |                  |                     | 6.60                  | - 7.24             |  |
| 6         | Other Income                                   | 1.49                |  |                  |                     | 0.73                  | - 0.73             |  |
|           | <b>Total Expenditure (1+2+3+4+5+6)</b>         | <b>179.31</b>       |  |                  |                     | <b>182.59</b>         | <b>184.95</b>      |  |
| <b>D.</b> | <b>Return on Equity</b>                        | <b>52.23</b>        |  |                  |                     | <b>53.77</b>          | <b>55.31</b>       |  |
| <b>E</b>  | <b>Revenue Requirement (C+D)</b>               | <b>231.54</b>       |  |                  |                     | <b>236.35</b>         | <b>240.26</b>      |  |

(Suresh Chandra Galuni)  
Director (Project)  
UJVN Limited

UJVN Ltd.  
MB-II HEP

Name of Generating Company  
Name of Generating Station

Form: F-2.1

Saleable Energy & PAF

| Sl. No. | Description                             | Unit | Previous Year (n-1) | Current Year (n) |                     |                       | Ensuing Year (n+1) |
|---------|---|------|---------------------|------------------|---------------------|-----------------------|--------------------|
|         |   |      | 2022-23             | 2023-24          |                     |                       | 2024-25            |
|         |   |      | (Actuals/Audited)   | Apr-Sep (Actual) | Oct-Mar (Estimated) | Total (April - March) | RE                 |
| 1       | Design Energy/Primary Energy Generation | (MU) | 1291.00             |                  |                     | 1,291.00              | 1291.00            |
| 2       | Auxiliary Consumption and other losses  | (%)  | 0.75%               |                  |                     | 0.88%                 | 0.88%              |
|         | (a) In % of Energy Generated            | (MU) | 9.53                |                  |                     | 8.75                  | 8.89               |
| 3       | Energy Sent Out (1-2b)                  | (MU) | 1281.37             |                  |                     | 1282.25               | 1282.11            |
| 4       | Home State Share                        | (%)  |                     |                  |                     |                       |                    |
| 5       | Saleable Energy ((3)-(4))               | (MU) | 1281.37             |                  |                     | 1282.25               | 1282.11            |
| 6       | Plant Availability Factor               | (%)  | 80.06%              | 89.78%           | 58.85%              | 74.22%                | 72.77%             |

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited



Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

**Form: F-2.2**  
**Information on Energy Generation (MU)**

| Sl.No. | Month        | Design Energy | Previous Year (n-1) |  | Current Year (n)  |                     | Ensuing Year (n+1) |
|--------|--------------|---------------|---------------------|--|-------------------|---------------------|--------------------|
|        |              |               | 2022-23             |  | 2023-24           |                     | 2024-25            |
|        |              |               | (Actuals/Audited)   |  | Apr-Sept (Actual) | Oct-Mar (Estimated) | RE                 |
| 1      | April        |               | 71.40               |  | 52.12             |                     | 68.00              |
| 2      | May          |               | 144.97              |  | 95.89             |                     | 110.00             |
| 3      | June         |               | 165.49              |  | 164.30            |                     | 150.00             |
| 4      | July         |               | 194.09              |  | 194.94            |                     | 195.00             |
| 5      | August       |               | 191.85              |  | 210.69            |                     | 195.00             |
| 6      | September    |               | 191.91              |  | 196.97            |                     | 185.00             |
| 7      | October      |               | 115.23              |  |                   | 125.00              | 158.00             |
| 8      | November     |               | 54.60               |  |                   | 65.00               | 65.00              |
| 9      | December     |               | 46.60               |  |                   | 52.00               | 52.00              |
| 10     | January      |               | 40.47               |  |                   | 40.00               | 40.00              |
| 11     | February     |               | 35.24               |  |                   | 42.00               | 42.00              |
| 12     | March        |               | 38.36               |  |                   | 50.00               | 50.00              |
|        | <b>Total</b> |               | <b>1290.21</b>      |  | <b>914.90</b>     | <b>1288.90</b>      | <b>1310.00</b>     |

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Form : F-2.3

Salient Features of Hydroelectric Project

| S. No. | Details   | Previous Year (n-1)      | Current Year (n)              | Ensuing Year (n+1)       |
|--------|---|--------------------------|-------------------------------|--------------------------|
|        |   | FY 2022-23               | FY 2023-24                    | FY 2024-25               |
| 1      | Installed Capacity (MW)   |                          |                               |                          |
|        | (a) Unit -1   | 76                       | 76                            | 76                       |
|        | (b) Unit -2   | 76                       | 76                            | 76                       |
|        | (c) Unit -3   | 76                       | 76                            | 76                       |
|        | (d) Unit -4   | 76                       | 76                            | 76                       |
| 2      | Date of commercial operation (DD/MM/YYYY)   |                          |                               |                          |
|        | (a) Unit -1   | 17, Feb, 2008            | 17, Feb, 2008                 | 17, Feb, 2008            |
|        | (b) Unit -2   | 03, Oct, 2008            | 03, Oct, 2008                 | 03, Oct, 2008            |
|        | (c) Unit -3   | 23, Feb, 2008            | 23, Feb, 2008                 | 23, Feb, 2008            |
|        | (d) Unit -4   | 16, Feb, 2008            | 16, Feb, 2008                 | 16, Feb, 2008            |
| 3      | Details of tied up beneficiaries/target beneficiaries/merchant capacity along with percentage share with reference to the installed capacity for each |                          |                               |                          |
|        | (i) UPCL (%)  | 100%                     | 100%                          | 100%                     |
|        | (ii) Beneficiary - 2 (%)  |                          |                               |                          |
| 4      | Design Energy (MU)  | 1291                     | 1291                          | 1291                     |
| 5      | Expected annual energy generation (MU)  | 1290.21                  | 1288.90                       | 1310.00                  |
| 6      | Associated transmission system details of proposed evacuation arrangement   |                          |                               |                          |
|        | i) Voltage level.   | 220 kV                   | 220 kV                        | 220 kV                   |
|        | ii) Conductor Name & no. of Circuits.   |                          |                               |                          |
|        | iii) Line length in Km.   |                          | 79.53, 80, 37.907, 25, 24.57  |                          |
|        | iv) Name of Interconnecting Substation  |                          | Rishikesh, Chamba, Uttarkashi |                          |
| 7      | Name of manufacturer :  |                          |                               |                          |
|        | (i) Turbine (Francis/Kaplan/Pelton)   | Francis                  | Francis                       | Francis                  |
|        | (ii) Generator  | BHEL                     | BHEL                          | BHEL                     |
| 8      | Efficiency  |                          |                               |                          |
|        | (i) Design guaranteed efficiency of turbine   | 93%                      | 93%                           | 93%                      |
|        | (ii) Design guaranteed efficiency of Generator  | 98%                      | 98%                           | 98%                      |
| 9      | Type of Governing System  | Electro-hydraulic        | Electro-hydraulic             | Electro-hydraulic        |
| 10     | Type of Station   |                          |                               |                          |
|        | (a) Surface/Underground   | Surface                  | Surface                       | Surface                  |
|        | (b) Purely RoR/Pondage/Storage  | Pondage                  | Pondage                       | Pondage                  |
|        | (c) Peaking/Non-Peaking   | Peaking                  | Peaking                       | Peaking                  |
|        | (d) No. of Hours of Peaking   |                          |                               |                          |
| 11     | Type of excitation  |                          |                               |                          |
|        | a) Rotating exciters on generator   |                          |                               |                          |
|        | b) Static excitation.   | Static                   | Static                        | Static                   |
| 12     | Location  |                          |                               |                          |
|        | Station/Dist.   | Uttarkashi (Uttarakhand) | Uttarkashi (Uttarakhand)      | Uttarkashi (Uttarakhand) |
|        | River   | Bhagirathi               | Bhagirathi                    | Bhagirathi               |
| 13     | Diversion Tunnel  |                          |                               |                          |
|        | Size, shape   | Horse Shoe 6 M dia       | Horse Shoe 6 M dia            | Horse Shoe 6 M dia       |
|        | Length  | 16 km                    | 16 km                         | 16 km                    |
| 14     | Dam/Barrage   |                          |                               |                          |
|        | Type  | Barrage                  | Barrage                       | Barrage                  |
|        | Maximum dam height  |                          |                               |                          |
| 15     | Spillway  |                          |                               |                          |
|        | Type  |                          |                               |                          |
|        | Crest level of spillway   | 1093 m                   | 1093 m                        | 1093 m                   |

  
(Suresh Chandra Batuni)  
Director (Project)  
UJVN Limited

|   |                         |                         |                         |
|---|-------------------------|-------------------------|-------------------------|
| <b>16 Reservoir / Barrage</b>   |                         |                         |                         |
| Full Reservoir Level (FRL) Max bound level  | 1108                    | 1108                    | 1108                    |
| Minimum Draw Down Level (MDDL)  | 1103                    | 1103                    | 1103                    |
| Live storage (MCM)  | 7 million cumecs        | 7 million cumecs        | 7 million cumecs        |
| <b>17 Desilting Arrangement</b>   |                         |                         |                         |
| Type  | Hoppers                 | Hoppers                 | Hoppers                 |
| Number and Size   | 97 & 13mx13m            | 97 & 13mx13m            | 97 & 13mx13m            |
| Particle size to be removed (MM)  | above 0.15 mm           | above 0.15 mm           | above 0.15 mm           |
| <b>18 Design Silt Level for desilting chamber</b>   |                         |                         |                         |
| Maximum at inlet (ppm)  | 3000                    | 3000                    | 3000                    |
| Maximum at outlet (ppm)   | 3000                    | 3000                    | 3000                    |
| <b>19 Head Race Tunnel / Power Channel</b>  |                         |                         |                         |
| Size and type   | Horse Shoe 6 M dia      | Horse Shoe 6 M dia      | Horse Shoe 6 M dia      |
| Length  | 16 km                   | 16 km                   | 16 km                   |
| Design discharge (Cumecs)   | 142                     | 142                     | 142                     |
| <b>20 Surge Shaft</b>   |                         |                         |                         |
| Type  | Restricted orifice type | Restricted orifice type | Restricted orifice type |
| Diameter  | 13.7 m                  | 13.7 m                  | 13.7 m                  |
| Height  | 172 m                   | 172 m                   | 172 m                   |
| <b>21 Penstock/Pressure shafts</b>  |                         |                         |                         |
| Type  | Circular, Steel         | Circular, Steel         | Circular, Steel         |
| Diameter & Length   | 3 m, 800 m              | 3 m, 800 m              | 3 m, 800 m              |
| <b>22 Power House</b>   |                         |                         |                         |
| Type  | Hydro                   | Hydro                   | Hydro                   |
| Installed capacity (No of units x MW)   | 4x76                    | 4x76                    | 4x76                    |
| Peaking capacity during lean period (MW)  | 152                     | 152                     | 152                     |
| Type of turbine   | Francis                 | Francis                 | Francis                 |
| Rated Head (M)  | 248                     | 248                     | 248                     |
| Average Head (M)  | 280                     | 280                     | 280                     |
| Rated Discharge (Cumecs)  | 36                      | 36                      | 36                      |
| Head at Full Reservoir Level (M)  | 283                     | 283                     | 283                     |
| Head at Minimum Draw Down Level (M)   | 234                     | 234                     | 234                     |
| MW Capability at FRL (MW)   | 86                      | 86                      | 86                      |
| MW Capability at MDDL (MW)  | 78                      | 78                      | 78                      |
| Variation in machine output at different levels between Full Reservoir Level and Minimum Draw Down level (MW) | 7.8                     | 7.8                     | 7.8                     |
| <b>23 Tail Race Channel</b>   |                         |                         |                         |
| Diameter, shape   | Rectangular             | Rectangular             | Rectangular             |
| Length  | 51.35 m                 | 51.35 m                 | 51.35 m                 |
| Minimum tail water level  |                         |                         |                         |
| <b>24 Switchyard</b>  |                         |                         |                         |
| Type of Switch gear   | Siemens, GE             | Siemens, GE             | Siemens, GE             |
| No. of generator bays 04  | 4                       | 4                       | 4                       |
| No. of Bus coupler bays 01  | 1                       | 1                       | 1                       |
| No. of line bays 03   | 5                       | 5                       | 5                       |
| <b>25 Generator transformer details:</b>  |                         |                         |                         |
| (i) Make  | ALSTOM                  | ALSTOM                  | ALSTOM                  |
| (ii) No. of Transformers  | 12, Single Phase        | 12, Single Phase        | 12, Single Phase        |
| (iii) Rating  | 31 MVA                  | 31 MVA                  | 31 MVA                  |
| (iv) Voltage Ratio  | 11/220 kV               | 11/220 kV               | 11/220 kV               |

  
 (Sumesh Chandra Baluni)  
 Director (Project)  
 UJVN Limited



Name of Generating Company :- UJVN Limited.

Name of Generating Satation :- Dharasu Power House.


FORM: F - 2.4

**Design energy and MWContinuous (month wise)- ROR Type Stations**

Installed Capacity: No of units X MW= 4x76=304MW

| Month     |                          | Design Energy* (MUs) | Total Month (MU) | MW Continuous* |
|-----------|--------------------------|----------------------|------------------|----------------|
| April     | I                        | 24.33                | 111.0            | 101.4          |
|           | II                       | 48.35                |                  | 201.5          |
|           | III                      | 38.37                |                  | 159.9          |
| May       | I                        | 35.57                | 117.7            | 148.2          |
|           | II                       | 33.59                |                  | 139.9          |
|           | III                      | 48.52                |                  | 183.8          |
| June      | I                        | 63.18                | 201.8            | 263.3          |
|           | II                       | 69.31                |                  | 288.8          |
|           | III                      | 69.31                |                  | 288.8          |
| July      | I                        | 69.31                | 214.9            | 288.8          |
|           | II                       | 69.31                |                  | 288.8          |
|           | III                      | 76.24                |                  | 288.8          |
| August    | I                        | 69.31                | 214.9            | 288.8          |
|           | II                       | 69.31                |                  | 288.8          |
|           | III                      | 76.24                |                  | 288.8          |
| September | I                        | 69.31                | 207.9            | 288.8          |
|           | II                       | 69.31                |                  | 288.8          |
|           | III                      | 69.31                |                  | 288.8          |
| October   | I                        | 64.72                | 140.5            | 269.7          |
|           | II                       | 41.04                |                  | 171            |
|           | III                      | 34.72                |                  | 131.5          |
| November  | I                        | 27.93                | 86.0             | 116.4          |
|           | II                       | 26.80                |                  | 111.7          |
|           | III                      | 31.28                |                  | 130.3          |
| December  | I                        | 25.81                | 73.7             | 107.5          |
|           | II                       | 23.73                |                  | 98.9           |
|           | III                      | 24.16                |                  | 91.5           |
| January   | I                        | 23.48                | 64.3             | 97.8           |
|           | II                       | 20.52                |                  | 85.5           |
|           | III                      | 20.28                |                  | 76.8           |
| February  | I                        | 18.74                | 51.8             | 78.1           |
|           | II                       | 16.35                |                  | 68.1           |
|           | III                      | 16.69                |                  | 84.3           |
| March     | I                        | 22.29                | 81.6             | 92.9           |
|           | II                       | 26.40                |                  | 110.0          |
|           | III                      | 32.87                |                  | 124.5          |
| Total     | Total Annual Energy (MU) |                      | 1566.0           |                |

\*As per DPR/TEC of CEA dated: 21st Feb 2000

  
 Petitioner  
 (Suresh Chandra Baluni)  
 Director (Project)  
 UJVN Limited

Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

**Form: F-3**  
**Computation of Net Annual Fixed Charges**

Computation of Net Annual Fixed Charges

(Figures in Rs Crore)

| Sl.No. | Year ending March  | Previous Year (n-1) | Current Year (n)  |                  |         | Ensuing Year (n+1)  |
|--------|--|---------------------|-------------------|------------------|---------|---------------------|
|        |  | 2022-23             | 2023-24           |                  | 2024-25 |                     |
|        |  |                     | (Actuals/Audited) | Apr-Sep (Actual) |         | Oct-Mar (Estimated) |
| 1      | Interest on Loan (Including Interest on Normative Loans) | 43.99               |                   |                  | 42.78   | 39.18               |
| 2      | Depreciation   | 51.68               |                   |                  | 52.88   | 54.43               |
| 3      | Lease Charges  |                     |                   |                  |         |                     |
| 4      | Return on Equity   |                     |                   |                  |         |                     |
|        | (a) Rate of Return on Equity                             | 16.50%              |                   |                  | 16.50%  | 16.50%              |
|        | (b) Equity   | 316.57              |                   |                  | 325.87  | 335.21              |
|        | (c) Return on Equity (4a)*(4b)                           | 52.23               |                   |                  | 53.77   | 55.31               |
| 5      | O&M Expenses   | 79.11               |                   |                  | 81.07   | 85.83               |
|        | 5.1 Employee Costs                                       | 37.84               |                   |                  | 41.52   | 44.68               |
|        | 5.2 Repair and Maint. Expenses                           | 26.31               |                   |                  | 23.39   | 23.73               |
|        | 5.3 Admin & Gen Costs                                    | 14.97               |                   |                  | 16.15   | 17.42               |
|        | Colony Supply and concessional supply                    | 0.00                |                   |                  | 0.00    | 0.00                |
| 6      | Interest on Working Capital                              | 6.02                |                   |                  | 6.60    | 7.24                |
| 7      | Gross Annual Fixed Charges (1+2+3+4(c)+5+6)              | 233.03              |                   |                  | 237.08  | 240.99              |
| 8      | Less: Other Income (provide details)                     | 1.49                |                   |                  | 0.73    | 0.73                |
| 9      | Net Annual Fixed Charges (7-8)                           | 231.54              |                   |                  | 236.35  | 240.26              |

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Name of Generating Company  
Name of Generating Station

UJVNL Ltd.  
MB-II HEP

Form: F-4

Statement of Gross Fixed Asset Base & Financing Plan

Final Approved Cost as on Commercial Operations Date

| Unit   | Capital Expenditure | Date of commercial operation |
|--------|---------------------|------------------------------|
| Unit 1 | 1885.50             | 17-02-2008                   |
| Unit 2 |                     | 03-10-2008                   |
| Unit 3 |                     | 25-02-2008                   |
| Unit 4 |                     | 16-02-2008                   |

|                             |
|-----------------------------|
| CIFA Decree No. 2021-22 (C) |
| 5.00                        |

Original Financing Plan (Unitwise)

|                       |          |
|-----------------------|----------|
| Rupiah Term Loan      | 1,319.85 |
| Normative Debt        |          |
| Debt 2 *              |          |
| Foreign Currency Loan |          |
| Debt 1                | NA       |
| Debt 2 *              | NA       |
| Equity                |          |
| In Rupees             | 665.65   |
| In Foreign Currency   |          |

|      |
|------|
| 3.50 |
|      |
|      |
| 1.50 |

Gross Fixed Asset  
Previous year (n-1)

| 2022-23                           |                 | (Figures in Rs Crore)                                  |                                      |
|-----------------------------------|-----------------|--|--------------------------------------|
| Particulars of Assets             | GFA (as in COP) | additional capitalization at the beginning of the year | Retirement of assets during the year |
| (1)                               | (2)             | (3)  | (4)                                  |
| a) Land                           |                 | 12.05  | 0.00                                 |
| b) Building                       |                 | 13.16  | 2.58                                 |
| c) Major Civil Works              |                 | 288.33   | 31.36                                |
| d) Plant & Machinery              |                 | 64.23  | 3.78                                 |
| e) Vehicles                       |                 | 0.44   | 0.23                                 |
| f) Furniture and Fixtures         |                 | 0.68   | 0.81                                 |
| g) Office Equipment & Other Items |                 | 1.24   | 0.11                                 |
| h) IT Equipments                  |                 | 2.96   | 1.53                                 |
| Total                             | 1480.90         | 586.41   | 39.59                                |
|                                   |                 |  | 2308.51                              |

(Suresh Chandra Baluni)  
Director (Project)  
UJVNL Limited



Name of Generating Station

MB-II HEP

Form: F-4

## Statement of Gross Fixed Asset Base &amp; Financing Plan

Current Year (n)

2023-24

| Statement of Gross Fixed Asset Base & Financing Plan |         |                 |  |                           |  |   |  |                                |
|--|---------|-----------------|--|---------------------------|--|---|--|--------------------------------|
| Current Year (in)                                    |         | 2023-24         |  |                           |  |   |  |                                |
| Particulars of Assets**                              |         | GFA (as on COD) | additional capitalization at the beginning of the year | Additions during the year | Additions during the year proposed to be undertaken* | Retirement of assets during the year already undertaken | Retirement of assets during the year proposed to be undertaken | Balance at the end of the year |
| (1)  | (2)     | (3)             | (4a)†  | (4b)**                    | (5a)†  | (5b)**  | (6)  |                                |
| a) Land  |         | 12.55           | 0.00   | 0.00                      | 0.00   | 0.00  |  |                                |
| b) Building  |         | 15.74           | 2.16   | 4.42                      | 0.00   | 0.00  |  |                                |
| c) Major Civil Works                                 |         | 317.69          | 0.41   | 13.66                     | 0.00   | 0.00  |  |                                |
| d) Plant & Machinery                                 |         | 73.03           | 2.30   | 8.77                      | 0.00   | 0.00  |  |                                |
| e) Vehicles  |         | 0.07            | 0.00   | 0.26                      | 0.00   | 0.00  |  |                                |
| f) Furniture and Fixtures                            |         | 0.70            | 0.04   | 0.00                      | 0.00   | 0.00  |  |                                |
| g) Office Equipment & Other Items                    |         | 1.34            | 0.07   | 0.00                      | 0.00   | 0.00  |  |                                |
| h) IT Equipments                                     |         | 4.40            | 0.05   | 0.00                      | 0.00   | 0.00  |  |                                |
| Total  | 1880.50 | 426.01          | 4.93   | 28.12                     | 0.00   | 0.00  | 2339.55  |                                |

Ensuing year (n +1)

2024-25

| Particulars of Assets**            |         | (Figures in Rs Crores) |  |  |  |                                |
|------------------------------------|---------|------------------------|--|--|--|--------------------------------|
| (1)                                | (2)     | GFA (as on COD)        | additional capitalization at the beginning of the year | Additions during the year proposed to be undertaken* | Retirement of assets during the year proposed to be undertaken | Balance at the end of the year |
|                                    |         |                        | (3)  | (4b)**   | (5b)**   | (6)                            |
| a) Land                            |         |                        | 12.55  | 1.00   | 0.00   |                                |
| b) Building                        |         |                        | 32.32  | 8.04   | 0.00   |                                |
| c) Major Civil Works               |         |                        | 331.77   | 53.01  | 0.00   |                                |
| d) Plant & Machinery               |         |                        | 85.00  | 32.13  | 0.00   |                                |
| e) Vehicles                        |         |                        | 0.93   | 0.00   | 0.00   |                                |
| f) Furniture and Fixtures          |         |                        | 0.74   | 0.30   | 0.00   |                                |
| g) Office Equipments & Other Items |         |                        | 1.41   | 0.10   | 0.00   |                                |
| h) IT Equipments                   |         |                        | 4.54   | 0.00   | 0.00   |                                |
| Total                              | 1880.50 |                        | 499.05   | 83.46  | 0.00   | 3425.02                        |

  
 (Suresh Chandra Baluni)  
 Director (Project)  
 UJVNL Limited

Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

Form: F- 6.1

# Statement of Asset wise Depreciation

| Previous year (n-1) 2022-23  |                                   |   |  |  |   |  |  |                                    |  |
|------------------------------|-----------------------------------|---|--|--|---|--|--|------------------------------------|--|
| Particulars of Assets*       | Rate of Depreciation for GFA in % | Rate of Depreciation for Additional Capitalization in % | Accumulated Depreciation on GFA at the beginning of the Year | Accumulated Depreciation on Additional Capitalization at the beginning of the Year | Accumulated depreciation at the beginning of the year | Depreciation provided for GFA for the Year | Depreciation provided for Additional Capitalization for the Year | Depreciation provided for the year | Balance of accumulated depreciation at the end of the year |
| (1)                          | (2)                               | (3)   | 4(a)   | 4(b)   | (4)   | 5(a)                                       | 5(b)   | (5)                                | (6)  |
| a) Land                      | 0.00%                             | 0.00%   |  |  |   |  | 0.0000   |                                    |  |
| b) Building                  | 3.34%                             | 3.34%   |  |  |   |  | 0.4398   |                                    |  |
| c) Major Civil Works         | 5.28%                             | 5.28%   |  |  |   |  | 13.1534  |                                    |  |
| d) Plant & Machinery         | 5.28%                             | 5.28%   |  |  |   |  | 3.0184   |                                    |  |
| e) Vehicles                  | 9.50%                             | 9.50%   |  |  |   |  | 0.0105   |                                    |  |
| f) Furniture and Fixtures    | 6.33%                             | 6.33%   |  |  |   |  | 0.0704   |                                    |  |
| g) Office Equipment & Others | 6.33%                             | 6.33%   |  |  |   |  | 0.4442   |                                    |  |
| h) IT Equipments             |                                   |   |  |  |   |  | 19.16  |                                    |  |
| Total                        |                                   |   | 1014.00  | 93.65  | 1107.65   | 32.52                                      | 19.16  | 31.68                              | 1139.53  |

(Figures in Rs Crore)

| Current Year (n) 2023-24     |                                   |   |  |  |   |  |  |                                    |  |
|------------------------------|-----------------------------------|---|--|--|---|--|--|------------------------------------|--|
| Particulars of Assets*       | Rate of Depreciation for GFA in % | Rate of Depreciation for Additional Capitalization in % | Accumulated Depreciation on GFA at the beginning of the Year | Accumulated Depreciation on Additional Capitalization at the beginning of the Year | Accumulated depreciation at the beginning of the year | Depreciation provided for GFA for the Year | Depreciation provided for Additional Capitalization for the Year | Depreciation provided for the year | Balance of accumulated depreciation at the end of the year |
| (1)                          | (2)                               | (3)   | 4(a)   | 4(b)   | (4)   | 5(a)                                       | 5(b)   | (5)                                | (6)  |
| a) Land                      | 0.00%                             | 0.00%   |  |  |   |  | 0.0000   |                                    |  |
| b) Building                  | 3.34%                             | 3.34%   |  |  |   |  | 0.5239   |                                    |  |
| c) Major Civil Works         | 5.28%                             | 5.28%   |  |  |   |  | 16.4683  |                                    |  |
| d) Plant & Machinery         | 5.28%                             | 5.28%   |  |  |   |  | 2.5664   |                                    |  |
| e) Vehicles                  | 9.50%                             | 9.50%   |  |  |   |  | 0.0239   |                                    |  |
| f) Furniture and Fixtures    | 6.33%                             | 6.33%   |  |  |   |  | 0.0201   |                                    |  |
| g) Office Equipment & Others | 6.33%                             | 6.33%   |  |  |   |  | 0.0673   |                                    |  |
| h) IT Equipments             |                                   |   |  |  |   |  | 0.6735   |                                    |  |
| Total                        |                                   |   | 1046.62  | 113.01   | 1159.63   | 32.52                                      | 20.34  | 52.86                              | 1212.40  |

(Figures in Rs Crore)

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited





Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

Form: F-5.2  
Statement of Depreciation

(Figures in Rs Crores)

| Financial Year   | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Depreciation on Capital Cost   | 2.25    | 45.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   | 48.47   |
| Depreciation on Additional Capitalisation  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Amount of Additional Capitalisation  | 0.1     | 10.35   | 8.14    | 31.70   | 3.02    | 17.91   | 35.33   | 38.78   | 127.24  | 55.08   | 17.00   | 10.54   | 9.02    | 18.17   | 16.05   | 16.05   | 16.05   | 16.05   | 16.05   | 16.05   | 16.05   | 16.05   |
| Depreciation Amount  | 3.055   | 55.82   | 56.61   | 80.17   | 51.49   | 66.38   | 83.80   | 86.61   | 185.71  | 103.55  | 65.47   | 58.98   | 57.49   | 67.64   | 64.52   | 64.52   | 64.52   | 64.52   | 64.52   | 64.52   | 64.52   | 64.52   |
| Detail of F&EV   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Amount of F&EV on which Depreciation is charged                                  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Depreciation Amount  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Depreciation recovered during the year   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Advance against Depreciation (Referred during the year)                          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Depreciation and Advance against Depreciation recovered during the year          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Cumulative Depreciation and Advance against Depreciation recovered upto the year | 2.25    | 57.87   | 114.48  | 194.65  | 246.14  | 312.52  | 396.32  | 482.93  | 668.64  | 772.19  | 875.66  | 934.63  | 992.12  | 1059.76 | 1124.28 | 1188.80 | 1253.32 | 1317.84 | 1382.36 | 1446.88 | 1511.40 | 1575.92 |

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Name of Generating Company  
UJVN Ltd.

Name of Generating Station  
MB-II HEP

**Form: F-6.1**  
**Statement of Capital Expenditure**

| opening balance for n-1 year        |           | 2,266.91            |      | Figures in Rs Crore) |                     |    |          |                       |  |   |                                     |           |  |
|-------------------------------------|-----------|---------------------|------|----------------------|---------------------|----|----------|-----------------------|--|---|-------------------------------------|-----------|--|
| Particulars                         | FY of COD | Previous Year (n-1) |      | Current Year (n)     |                     |    | Remarks+ | Ensuing Year (n+1)    |  | Total Expenditure Approved by Competent Authority | Total Expenditure Actually Incurred | Remarks++ |  |
|                                     |           | 2022-23             |      | 2023-24              |                     | RE |          |                       |  |   |                                     |           |  |
|                                     |           | (Actuals/Audited)   |      | Apr-Sep (Actual)     | Oct-Mar (Estimated) |    |          | Total (April - March) |  |   |                                     |           |  |
| A) Expenditure Details              |           |                     |      |                      |                     |    |          |                       |  |   |                                     |           |  |
| a) Land                             |           | -                   | -    | -                    | -                   | -  |          | 1.00                  |  |   |                                     |           |  |
| b) Building                         |           | 2.58                | 2.16 | 4.42                 | 6.58                |    |          | 0.04                  |  |   |                                     |           |  |
| c) Major Civil Works                |           | 31.36               | 0.41 | 13.68                | 14.06               |    |          | 52.01                 |  |   |                                     |           |  |
| d) Plant & Machinery                |           | 3.78                | 2.20 | 9.77                 | 11.97               |    |          | 32.11                 |  |   |                                     |           |  |
| e) Vehicles                         |           | 0.23                | -    | 0.26                 | 0.26                |    |          | -                     |  |   |                                     |           |  |
| f) Furniture and Fixtures           |           | 0.01                | 0.04 | -                    | 0.04                |    |          | 0.20                  |  |   |                                     |           |  |
| g) Office Equipment & Others        |           | 0.11                | 0.07 | -                    | 0.07                |    |          | 0.10                  |  |   |                                     |           |  |
| h) IT Equipments                    |           | 1.53                | 0.05 | -                    | 0.05                |    |          | -                     |  |   |                                     |           |  |
| Total (A)                           | 1895.50   | 39.59               | 4.93 | 28.12                | 33.05               |    |          | 85.46                 |  |   |                                     |           |  |
| B) Break up of sources of financing |           |                     |      |                      |                     |    |          |                       |  |   |                                     |           |  |
| Rupess term Loan                    |           | 30.29               |      |                      | 23.71               |    |          | 63.84                 |  |   |                                     |           |  |
| Normative Debt                      |           |                     |      |                      |                     |    |          | -                     |  |   |                                     |           |  |
| Debt                                |           |                     |      |                      |                     |    |          | -                     |  |   |                                     |           |  |
| Foreign Currency Loan               |           |                     |      |                      |                     |    |          | -                     |  |   |                                     |           |  |
| Debt                                |           |                     |      |                      |                     |    |          | -                     |  |   |                                     |           |  |
| Total Debt                          |           | 30.29               |      |                      | 23.71               |    |          | 63.84                 |  |   |                                     |           |  |
| Equity                              |           |                     |      |                      |                     |    |          |                       |  |   |                                     |           |  |
| In Rupees                           |           | 9.30                |      |                      | 9.34                |    |          | 21.62                 |  |   |                                     |           |  |
| In Foreign Currency                 |           |                     |      |                      |                     |    |          | -                     |  |   |                                     |           |  |
| c) Others (Please specify)          |           |                     |      |                      |                     |    |          | -                     |  |   |                                     |           |  |
| Total (B)                           |           | 36.59               |      |                      | 33.05               |    |          | 85.46                 |  |   |                                     |           |  |

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

## Form: F-7

## Details of Capital Cost and Financing Structure

| Year ending March                                   | FY of CDD | Previous Year (n-1)          | Current Year (n)    |                        |         | Ensuing Year (n+1)       | Remarks |
|---|-----------|------------------------------|---------------------|------------------------|---------|--------------------------|---------|
|   |           | 2022-23<br>(Actuals/Audited) | 2023-24             |                        | 2024-25 |                          |         |
|   |           |                              | Apr-Sep<br>(Actual) | Oct-Mar<br>(Estimated) |         | Total (April -<br>March) |         |
| Basic Project Financial Parameters                  |           |                              |                     |                        |         |                          |         |
| Capital Cost*                                       |           | 2266.91                      |                     |                        | 2339.51 | 2339.55                  |         |
| Addition during the year                            |           | 39.59                        |                     |                        | 33.05   | 85.48                    |         |
| Deletion during the year                            |           | 0.00                         |                     |                        |         |                          |         |
| Gross Capital Cost (A)                              |           | 2306.51                      |                     |                        | 2339.55 | 2425.02                  |         |
| Equity against Original Project Cost                |           | 316.57                       |                     |                        | 325.87  | 335.21                   |         |
| *Addition during the year                           |           | 9.30                         |                     |                        | 9.34    | 27.62                    |         |
| Equity Sub-Total (B)                                |           | 325.87                       |                     |                        | 335.21  | 366.83                   |         |
| *Debt outstanding against the original Capital cost |           | 1950.35                      |                     |                        | 1980.63 | 2004.34                  |         |
| New Loans added during the year                     |           | 30.29                        |                     |                        | 23.71   | 63.84                    |         |
| Debt Sub-Total (C)                                  |           | 1980.63                      |                     |                        | 2004.34 | 2068.18                  |         |
| Grants against original project cost                |           |                              |                     |                        |         |                          |         |
| Addition during the year                            |           |                              |                     |                        |         |                          |         |
| Grants Sub-Total (D)                                |           | 0.00                         |                     |                        | 0.00    | 0.00                     |         |
| Total Financing (B+C+D)                             |           | 2306.51                      |                     |                        | 2339.55 | 2425.02                  |         |
| Net of decapitalization during the year             |           |                              |                     |                        |         |                          |         |

  
(Suresh Chandra Batuni)  
Director (Project)  
UJVN Limited



Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

**Form: F-9.1**  
**Statement of Outstanding Loans**

| Previous Year (n-1)            | 2022-23             |                          |                                      |                                 |                               |                                    |                                   |                               |         |  |  |
|--------------------------------|---------------------|--------------------------|--------------------------------------|---------------------------------|-------------------------------|------------------------------------|-----------------------------------|-------------------------------|---------|--|--|
| Loan Agency (Source of loan)   | Rate of Interest(%) | Repayment period (Years) | Balance at the beginning of the year | Amount Received during the year | Principal due during the year | Principal redeemed during the year | Principal Overdue at the year end | Principal Due at the year end | Remarks |  |  |
| (1)                            | (2)                 | (3)                      | (4)                                  | (5)                             | (6)                           | (7)                                | (8)                               | (9)                           | (10)    |  |  |
| A. Other than state government |                     |                          |                                      |                                 |                               |                                    |                                   |                               |         |  |  |
| Loan 1-PFC/09202001            | 10.25%              |                          | 50                                   |                                 | 40                            | 40                                 |                                   | 20.00                         |         |  |  |
| Loan 2-PFC/09202002            | 10.25%              |                          | 30                                   |                                 | 20                            | 20                                 |                                   | 10.00                         |         |  |  |
| Loan 3-PFC/09202003            | 10.25%              |                          | 7.72                                 |                                 | 5.15                          | 5.15                               |                                   | 2.57                          |         |  |  |
| Loan 4-PFC                     | 10.25%, 10.35%      |                          | 84.77                                |                                 | 8.99                          | 8.99                               |                                   | 76.07                         |         |  |  |
|                                |                     |                          |                                      |                                 |                               |                                    |                                   | 0.00                          |         |  |  |
| Sub Total (A)                  |                     |                          | 182.49                               | 0.00                            | 73.84                         | 73.84                              | 0.00                              | 108.65                        |         |  |  |
| B. Government Loans            |                     |                          |                                      |                                 |                               |                                    |                                   |                               |         |  |  |
| Type 1: GOU Loan               | 9.50%               |                          | 0.00                                 |                                 | 0.00                          | 0.00                               |                                   | 0.00                          |         |  |  |
| Type 2: GOU Loan               | 9.50%               |                          | 0.00                                 |                                 | 0.00                          | 0.00                               |                                   | 0.00                          |         |  |  |
| Type 3:                        |                     |                          |                                      |                                 |                               |                                    |                                   |                               |         |  |  |
| Sub Total (B)                  |                     |                          | 0.00                                 | 0.00                            | 0.00                          | 0.00                               | 0.00                              | 0.00                          |         |  |  |
| Sub Total (A+B)                |                     |                          | 182.49                               | 0.00                            | 73.84                         | 73.84                              | 0.00                              | 108.65                        |         |  |  |
| C. Normative Loans             | 9.75%               |                          | 267.41                               | 52.45                           | 0.00                          | 0.00                               |                                   | 319.86                        |         |  |  |
| Total (A+B+C)                  |                     |                          | 449.90                               | 52.45                           | 73.84                         | 73.84                              | 0.00                              | 428.50                        |         |  |  |

| Current Year (n)               |                      | 2023-24                  |                                      |                                 |                               |                                    |                                   |                               |         |  |
|--------------------------------|----------------------|--------------------------|--------------------------------------|---------------------------------|-------------------------------|------------------------------------|-----------------------------------|-------------------------------|---------|--|
| Loan Agency (Source of loan)   | Rate of Interest (%) | Repayment period (Years) | Balance at the beginning of the year | Amount Received during the year | Principal due during the year | Principal redeemed during the year | Principal Overdue at the year end | Principal Due at the year end | Remarks |  |
| (1)                            | (2)                  | (3)                      | (4)                                  | (5)                             | (6)                           | (7)                                | (8)                               | (9)                           | (10)    |  |
| A. Other than state government |                      |                          |                                      |                                 |                               |                                    |                                   |                               |         |  |
| Loan 1-PFC/09202001            | 10.25%               |                          | 20.00                                |                                 | 20                            |                                    |                                   | 0.00                          |         |  |
| Loan 2-PFC/09202002            | 10.25%               |                          | 10.00                                |                                 | 10                            |                                    |                                   | 0.00                          |         |  |
| Loan 3-PFC/09202003            | 10.25%               |                          | 2.57                                 |                                 | 2.57                          |                                    |                                   | 0.00                          |         |  |
| Loan 4-PFC                     | 10.25%, 10.35%       |                          | 76.07                                |                                 | 8.69                          |                                    |                                   | 67.38                         |         |  |
| Sub Total (A)                  |                      |                          | 108.65                               | 0.00                            | 41.26                         | 41.26                              | 0.00                              | 67.38                         |         |  |
| B. Government Loans            |                      |                          |                                      |                                 |                               |                                    |                                   |                               |         |  |
| Type 1: GOU Loan               | 9.50%                |                          | 0.00                                 |                                 | 0.00                          |                                    |                                   | 0.00                          |         |  |
| Type 2: GOU Loan               | 9.50%                |                          | 0.00                                 |                                 | 0.00                          |                                    |                                   | 0.00                          |         |  |
| Type 3:                        |                      |                          |                                      |                                 |                               |                                    |                                   |                               |         |  |
| Sub Total (B)                  |                      |                          | 0.00                                 | 0.00                            | 0.00                          | 0.00                               | 0.00                              | 0.00                          |         |  |
| Sub Total (A+B)                |                      |                          | 108.65                               | 0.00                            | 41.26                         | 41.26                              | 0.00                              | 67.38                         |         |  |
| C. Normative Loans             | 10.28%               |                          | 319.86                               | 12.11                           | 0.00                          | 0.00                               |                                   | 331.97                        |         |  |
| Total (A+B+C)                  |                      |                          | 428.50                               | 12.11                           | 41.26                         | 41.26                              | 0.00                              | 399.25                        |         |  |

(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Name of Generating Station

MB-II HEP

Form: F-9.1

## Statement of Outstanding Loans

| Estimating Year (n+1)          |                     | 2024-25                  |                                      |                                 |                               |                                    |                                   |                               |         |
|--------------------------------|---------------------|--------------------------|--------------------------------------|---------------------------------|-------------------------------|------------------------------------|-----------------------------------|-------------------------------|---------|
| Loan Agency/Source of loan     | Rate of Interest(%) | Repayment period (Years) | Balance at the beginning of the Year | Amount Received during the year | Principal due during the year | Principal redeemed during the year | Principal Overdue at the year end | Principal Due at the year end | Remarks |
| (1)                            | (2)                 | (3)                      | (4)                                  | (5)                             | (6)                           | (7)                                | (8)                               | (9)                           | (10)    |
| A. Other than state government |                     |                          |                                      |                                 |                               |                                    |                                   |                               |         |
| Loan 1-PFC/09202001            | 10.25%              |                          | 0.00                                 |                                 | 0.00                          | 0.00                               |                                   | 0.00                          |         |
| Loan 2-PFC/09202002            | 10.25%              |                          | 0.00                                 |                                 | 0.00                          | 0.00                               |                                   | 0.00                          |         |
| Loan 3-PFC/09202003            | 10.35%              |                          | 0.00                                 |                                 | 0.00                          | 0.00                               |                                   | 0.00                          |         |
| Loan 4-PFC                     | 10.25%, 10.35%      |                          | 57.38                                |                                 | 8.89                          | 8.89                               |                                   | 58.58                         |         |
| Sub Total (A)                  |                     |                          | 57.38                                | 0.00                            | 8.89                          | 8.89                               | 0.00                              | 58.58                         |         |
| B. Government Loans            |                     |                          |                                      |                                 |                               |                                    |                                   |                               |         |
| Type 1-APDP                    | 8.50%               |                          | 0.00                                 |                                 |                               |                                    |                                   | 0.00                          |         |
| Type 2-APDP                    | 8.50%               |                          | 0.00                                 |                                 |                               |                                    |                                   | 0.00                          |         |
| Type 3                         |                     |                          |                                      |                                 |                               |                                    |                                   |                               |         |
| Sub Total (B)                  |                     |                          | 0.00                                 | 0.00                            | 0.00                          | 0.00                               | 0.00                              | 0.00                          |         |
| Sub Total (A+B)                |                     |                          | 57.38                                | 0.00                            | 8.89                          | 8.89                               | 0.00                              | 58.58                         |         |
| C. Normative Loans             |                     |                          |                                      |                                 |                               |                                    |                                   |                               |         |
|                                | 10.28%              |                          | 331.97                               | 53.84                           | 45.74                         | 45.74                              | 0.00                              | 352.07                        |         |
| Total (A+B+C)                  |                     |                          | 389.35                               | 53.84                           | 54.43                         | 54.43                              | 0.00                              | 408.78                        |         |

  
 (Suresh Chandra Baluni)  
 Director (Project)  
 UJVN Limited

Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

Form: F-9.2

Calculation of Weighted Average Interest Rate of Interest on Actual Loans \*

(Figures in Rs Crore)

| S.No. | Particulars                                    | Previous Year (n-1)      | Current Year (n)      | Ensuing Year (n+1)        |
|-------|--|--------------------------|-----------------------|---------------------------|
|       |  | 2022-23                  | 2023-24               | 2024-25                   |
|       |  | Actual                   | Projected             | Projected                 |
|       | <b>Loan 1 :PFC (MB-II)</b>                     |                          |                       |                           |
|       | Gross Loan - Opening                           |                          |                       |                           |
|       | Cumulative payments of Loan upto Previous Year |                          |                       |                           |
|       | Net Loan - Opening                             | 60.00                    | 20.00                 | 0.00                      |
|       | Add: Drawl(s) during the year                  | 0.00                     | 0.00                  | 0.00                      |
|       | Less: Repayment(s) of Loan during the year     | 40.00                    | 20.00                 | 0.00                      |
|       | Net Loan - Closing                             | 20.00                    | 0.00                  | 0.00                      |
|       | Average Net Loan                               | 40.00                    | 10.00                 | 0.00                      |
|       | Rate of Interest on Loan on Annual Basis       | 10.25%                   | 10.25%                | 10.25%                    |
|       | Interest on Loan                               | 3.75                     | 1.03                  | 0.00                      |
|       | <b>Loan 2 :PFC (MB-II)</b>                     |                          |                       |                           |
|       | Gross Loan - Opening                           |                          |                       |                           |
|       | Cumulative payments of Loan upto Previous Year |                          |                       |                           |
|       | Net Loan - Opening                             | 30.00                    | 10.00                 | 0.00                      |
|       | Add: Drawl(s) during the year                  | 0.00                     | 0.00                  | 0.00                      |
|       | Less: Repayment(s) of Loan during the year     | 20.00                    | 10.00                 | 0.00                      |
|       | Net Loan - Closing                             | 10.00                    | 0.00                  | 0.00                      |
|       | Average Net Loan                               | 20.00                    | 5.00                  | 0.00                      |
|       | Rate of Interest on Loan on Annual Basis       | 10.25%                   | 10.25%                | 10.25%                    |
|       | Interest on Loan                               | 1.87                     | 0.51                  | 0.00                      |
|       | <b>Loan 3: PFC (MB-II)</b>                     |                          |                       |                           |
|       | Gross Loan - Opening                           |                          |                       |                           |
|       | Cumulative payments of Loan upto Previous Year |                          |                       |                           |
|       | Net Loan - Opening                             | 7.72                     | 2.57                  | 0.00                      |
|       | Add: Drawl(s) during the year                  | 0.00                     | 0.00                  | 0.00                      |
|       | Less: Repayment(s) of Loan during the year     | 5.15                     | 2.57                  | 0.00                      |
|       | Net Loan - Closing                             | 2.57                     | 0.00                  | 0.00                      |
|       | Average Net Loan                               | 5.15                     | 1.29                  | 0.00                      |
|       | Rate of Interest on Loan on Annual Basis       | 10.25%                   | 10.25%                | 10.25%                    |
|       | Interest on Loan                               | 0.48                     | 0.13                  | 0.00                      |
|       | <b>Loan 4: PFC (MB-II)</b>                     |                          |                       |                           |
|       | Gross Loan - Opening                           |                          |                       |                           |
|       | Cumulative payments of Loan upto Previous Year |                          |                       |                           |
|       | Net Loan - Opening                             | 84.77                    | 76.07                 | 67.36                     |
|       | Add: Drawl(s) during the year                  | 0.00                     | 0.00                  | 0.00                      |
|       | Less: Repayment(s) of Loan during the year     | 8.69                     | 8.69                  | 8.69                      |
|       | Net Loan - Closing                             | 76.07                    | 67.38                 | 58.69                     |
|       | Average Net Loan                               | 80.42                    | 71.73                 | 63.03                     |
|       | Rate of Interest on Loan on Annual Basis       | 10.25% 10.35% on 7.1 Cr. | 10.25% 10.35% on 6.37 | 10.25% 10.35% on 5.64 Cr. |
|       | Interest on Loan                               | 8.15                     | 7.36                  | 6.47                      |
|       |  | 7.15                     | 6.37                  | 5.64                      |

  
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Director (Project)  
UJVN Limited



Name of Generating Station

MB-II HEP

Form: F-9.2

Calculation of Weighted Average Interest Rate of Interest on Actual Loans \*

(Figures in Rs Crore)

| S.No. | Particulars                                       | Previous Year (n-1) | Current Year (n) | Estimating Year (n+1) |
|-------|---|---------------------|------------------|-----------------------|
|       |   | 2022-23             | 2023-24          | 2024-25               |
|       |   | Actual              | Projected        | Projected             |
|       | <b>Loan n:</b>                                    |                     |                  |                       |
|       | Gross Loan - Opening                              |                     |                  |                       |
|       | Cumulative payments of Loan upto Previous Year    |                     |                  |                       |
|       | Net Loan - Opening                                |                     |                  |                       |
|       | Add: Drawl(s) during the year                     |                     |                  |                       |
|       | Less: Repayment(s) of Loan during the year        |                     |                  |                       |
|       | Net Loan - Closing                                | 0.00                | 0.00             | 0.00                  |
|       | Average Net Loan                                  | 0.00                | 0.00             | 0.00                  |
|       | Rate of Interest on Loan on Annual Basis          |                     |                  |                       |
|       | Interest on Loan                                  | 0.00                | 0.00             | 0.00                  |
|       | <b>Total Loan</b>                                 |                     |                  |                       |
|       | Gross Loan - Opening                              |                     |                  |                       |
|       | Cumulative payments of Loan upto Previous Year    |                     |                  |                       |
|       | Net Loan - Opening                                | 182.49              | 108.65           | 67.38                 |
|       | Add: Drawl(s) during the year                     | 0.00                | 0.00             | 0.00                  |
|       | Less: Repayment(s) of Loan during the year        | 73.84               | 41.27            | 8.69                  |
|       | Net Loan - Closing                                | 108.65              | 67.38            | 58.69                 |
|       | Average Net Loan                                  | 145.57              | 88.01            | 63.03                 |
|       | Rate of Interest on Loan on Annual Basis          | 9.79%               | 10.26%           | 10.26%                |
|       | Interest on Loan                                  | 14.28               | 9.03             | 6.47                  |
|       | (*)GoU Guarantee Fee                              | 0.98                | 0.33             | 0.00                  |
|       | <b>Weighted Average Rate of Interest on Loans</b> | 9.79%               |                  |                       |

  
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 UJVN Limited

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Name of Generating Station

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### Form: F- 9.3

### Calculation of Interest on Normative Loan

| Particulars  | Previous Year (n-1) | Current Year (n)   | Ensuing Year (n+1) |
|--|---------------------|--------------------|--------------------|
|  | 2022-23             | 2023-24            | 2024-25            |
|  | (Actuals/Audited)   | Actual & Estimated | RE                 |
| Gross Normative Loan - Opening                                   | 1950.35             | 1980.63            | 2004.34            |
| Cummulative payments of Normative Loan upto Previous Year        | 1107.85             | 1159.53            | 1212.40            |
| Net Normative Loan - Opening                                     | 449.90              | 428.50             | 399.35             |
| Increase or Decrease during the year                             | 30.29               | 23.71              | 63.84              |
| Less: Repayment of Normative Loan during the year                | 51.68               | 52.86              | 54.43              |
| Net Normative Loan - Closing                                     | 428.50              | 399.35             | 408.76             |
| Average Normative Loan   | 439.20              | 413.93             | 404.05             |
| Weighted Average Rate of Interest on Actual Loan on Annual Basis | 9.79%               | 10.26%             | 10.26%             |
| Interest on Normative Loan*                                      | 43.99               | 42.78              | 38.18              |

\*including guarantee fee (Rs. 0.98 Cr for FY 2022-23, Rs. 0.33 Cr for FY 2023-24 & Rs. 0.00 Cr for 2024-25)

  
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Director (Project)  
UJVN Limited

Name of Generating Company  
UJVN Ltd.

Name of Generating Station  
MB-II HEP

**Form: F-10**  
**Details of Interest on Working Capital**

| Sl.No. | Particulars                                   | Previous Year (n-1)              | Current Year (n)    |                        |                          | Ensuing Year (n+1) |        | Remarks |
|--------|---|----------------------------------|---------------------|------------------------|--------------------------|--------------------|--------|---------|
|        |   | 2022-23<br><br>(Actuals/Audited) | 2023-24             |                        | 2024-25                  |                    |        |         |
|        |   |                                  | Apr-Sep<br>(Actual) | Oct-Mar<br>(Estimated) | Total (April -<br>March) | RE                 |        |         |
|        |   |                                  |                     |                        |                          |                    |        |         |
| 1      | O & M expenses - 1 month                      | - 6.59                           |                     |                        | - 6.76                   |                    | 7.15   |         |
| 2      | Spares (15% of O&M Expenses)                  | -11.87                           |                     |                        | - 12.16                  |                    | 12.87  |         |
| 3      | Relevables- 2 months                          | 38.84                            |                     |                        | - 39.51                  |                    | 40.16  |         |
| 4      | <b>Total Working Capital (1+2+3)</b>          | - 57.30                          |                     |                        | - 58.43                  |                    | 60.19  |         |
| 5      | Normative Interest Rate (%)                   | - 10.50%                         |                     |                        | -11.30%                  |                    | 12.02% |         |
| 6      | Normative Interest on Working Capital (4 X 5) | - 6.02                           |                     |                        | - 6.50                   |                    | 7.24   |         |

  
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Director (Project)  
UJVN Limited

Name of Generating Company  
Name of Generating Station

UJVNL Ltd.  
MB-II HEP

Form: F- 11

Details of Operation & Maintenance Expenses

| S. No. | Particulars  | Previous Year (n-1) | Current Year (n) |                     |                                  | Ensuing Year (n+1) | Remarks |
|--------|--|---------------------|------------------|---------------------|----------------------------------|--------------------|---------|
|        |  | 2022-23             | 2023-24          |                     |                                  | 2024-25            |         |
|        |  | (Actuals/Audited)   | Apr-Sep (Actual) | Oct-Mar (Estimated) | Total (April - March) Projection | RE                 |         |
| a)     | <b>Repair and Maintenance Expenses</b>                       |                     |                  |                     |                                  |                    |         |
| 1      | - Plants and Machinery                                       | 15.21               | 6.27             | 7.25                | 13.52                            | 13.72              |         |
| 2      | - Buildings  | 3.32                | 1.72             | 0.42                | 2.14                             | 2.09               |         |
| 3      | - Major Civil Works  | 1.96                | 1.43             | 0.35                | 1.79                             | 1.77               |         |
| 4      | - Hydraulic Work   | 3.02                | 3.77             | 0.93                | 4.71                             | 2.72               |         |
| 5      | - Lines Cables Networks etc.                                 | 1.29                | 0.19             | 0.05                | 0.24                             | 1.16               |         |
| 6      | - Vehicles   | 0.06                | 0.02             | 0.01                | 0.03                             | 0.05               |         |
| 7      | - Furnitures and Fixtures                                    | 0.01                | 0.02             | 0.00                | 0.02                             | 0.00               |         |
| 8      | - Office Equipment & Other Items                             | 1.07                | 0.71             | 0.18                | 0.89                             | 0.97               |         |
| 9      | - Consumption of Stores and Spares(Lubricant)                | 0.38                | 0.05             | 0.01                | 0.06                             | 0.34               |         |
|        | <b>Sub-Total</b>   | <b>26.31</b>        | <b>14.18</b>     | <b>9.21</b>         | <b>23.39</b>                     | <b>23.73</b>       |         |
| b)     | <b>Administrative Expenses</b>                               |                     |                  |                     |                                  |                    |         |
| 1      | - Insurance  | 6.12                | 5.75             | 0.86                | 6.61                             | 7.13               |         |
| 2      | - Rent   | 0.06                | 0.03             | 0.03                | 0.07                             | 0.07               |         |
| 3      | - Electricity Charges  | 0.07                | 0.04             | 0.04                | 0.08                             | 0.09               |         |
| 4      | - Travelling and conveyance                                  | 0.21                | 0.13             | 0.10                | 0.23                             | 0.25               |         |
| 5      | - Staff Car  | 1.33                | 0.56             | 0.87                | 1.44                             | 1.55               |         |
| 6      | - Telephone, telex and postage                               | 0.11                | 0.06             | 0.06                | 0.12                             | 0.13               |         |
| 7      | - Advertising  | 0.31                | 0.16             | 0.17                | 0.33                             | 0.36               |         |
| 8      | - Entertainment  | 0.05                | 0.01             | 0.04                | 0.05                             | 0.06               |         |
| 9      | - Corporate mgmt expenses                                    | -                   | -                | -                   | -                                | -                  |         |
| 10     | - Legal Expenses   | 0.36                | 0.28             | 0.11                | 0.39                             | 0.42               |         |
| 11     | - Consultancy charges  | 0.20                | 0.04             | 0.17                | 0.21                             | 0.23               |         |
| 12     | - Professional Charges                                       | -                   | -                | -                   | -                                | -                  |         |
| 13     | - Printing & Stationery                                      | 0.26                | 0.07             | 0.21                | 0.28                             | 0.30               |         |
| 14     | - Security Expenses  | 2.73                | 1.68             | 1.26                | 2.94                             | 3.18               |         |
| 15     | - Rec. & Training Exp.                                       | 0.16                | 0.08             | 0.09                | 0.17                             | 0.18               |         |
| 16     | - Fees & Subscription  | 0.08                | 0.01             | 0.06                | 0.09                             | 0.10               |         |
| 17     | - Audit Expenses(including Internal Audit Expenses)          | 0.10                | 0.04             | 0.07                | 0.11                             | 0.12               |         |
| 18     | - House Keeping Expenses                                     | 0.33                | -                | 0.36                | 0.36                             | 0.38               |         |
| 19     | - ERP Expenses   | 1.06                | 0.06             | 1.06                | 1.14                             | 1.23               |         |
| 20     | - Guest House Expenses                                       | 0.13                | 0.06             | 0.08                | 0.14                             | 0.15               |         |
| 21     | - CSR Expenses   | 0.60                | 0.09             | 0.56                | 0.65                             | 0.70               |         |
| 22     | - Others   | 0.38                | 0.29             | 0.13                | 0.41                             | 0.45               |         |
| 23     | - Regulatory Fee   | 0.30                | -                | 0.33                | 0.33                             | 0.35               |         |
| 24     | - Rebate to customers  | -                   | -                | -                   | -                                | -                  |         |
| 25     | - Loss on sale of Store                                      | -                   | -                | -                   | -                                | -                  |         |
|        | <b>Sub-Total</b>   | <b>14.97</b>        | <b>9.45</b>      | <b>6.70</b>         | <b>16.15</b>                     | <b>17.42</b>       |         |
| c)     | <b>Employee Cost</b>   |                     |                  |                     |                                  |                    |         |
| 1      | - Basic Salaries   | 17.18               | 8.42             | 10.10               | 18.52                            | 19.92              |         |
| 2      | - Dearness Allowance   | 6.07                | 2.52             | 4.02                | 8.54                             | 7.04               |         |
| 3      | - Other Allowances incl. Leave Encashment                    | 2.55                | 0.83             | 1.92                | 2.74                             | 2.05               |         |
| 4      | - Bonus/Ex-gratia and Incentives                             | 0.11                | -                | 0.12                | 0.12                             | 0.13               |         |
| 5      | - Staff welfare expenses                                     | 0.64                | 0.60             | 0.09                | 0.99                             | 0.75               |         |
| 6      | - Medical Allowances   | 0.37                | 0.16             | 0.24                | 0.40                             | 0.43               |         |
| 7      | - Others Expenses - Overtime to staff and Apprentice stipend | 0.00                | 0.74             | -                   | 0.74                             | 0.79               |         |
| 8      | - Terminal Benefits  | 3.93                | 1.71             | 2.53                | 4.24                             | 4.56               |         |
| 9      | - GPF Trust Interest   | 0.96                | -                | 1.03                | 1.03                             | 1.11               |         |
| 10     | - Leave encashment -actural valuation                        | 4.05                | -                | 4.36                | 4.36                             | 4.89               |         |
| 11     | - Medical leave -actural valuation                           | 0.57                | -                | 0.61                | 0.61                             | 0.66               |         |
| 12     | - Gratuity Expense - AS per Ind AS (PL Account)              | 0.92                | -                | 0.99                | 0.99                             | 1.07               |         |
| 13     | - Gratuity Expense - AS per Ind AS - (For OCI)               | 0.50                | -                | 0.54                | 0.54                             | 0.56               |         |
| 14     | - VII Pay Commission Arrear                                  | -                   | -                | -                   | -                                | -                  |         |
| 15     | - Staff Electricity Expenses                                 | -                   | -                | -                   | -                                | -                  |         |
| 16     | - Generation Incentive                                       | -                   | -                | -                   | -                                | -                  |         |
|        | <b>Sub-Total</b>   | <b>37.84</b>        | <b>14.96</b>     | <b>26.56</b>        | <b>41.52</b>                     | <b>44.68</b>       |         |
| d)     | <b>Other Expenses</b>  |                     |                  |                     |                                  |                    |         |
|        | Colony Supply and concessional supply                        | -                   | -                | -                   | -                                | -                  |         |
|        | <b>Sub-Total</b>   | <b>-</b>            | <b>-</b>         | <b>-</b>            | <b>-</b>                         | <b>-</b>           |         |
|        | <b>Total O&amp;M Expenses</b>                                | <b>78.11</b>        | <b>38.60</b>     | <b>42.47</b>        | <b>81.07</b>                     | <b>85.83</b>       |         |
|        | Less: O&M Expenses Capitalised                               | -                   | -                | -                   | -                                | -                  |         |
|        | <b>Net O&amp;M Expenses</b>                                  | <b>78.11</b>        | <b>38.60</b>     | <b>42.47</b>        | <b>81.07</b>                     | <b>85.83</b>       |         |

(Suresh Chandra Baluni)  
Director (Project)  
UJVNL Limited



Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

**Form: F-11.1**  
**Details of Repair & Maintenance**

| S.No. | Particulars                                  | Previous Year<br>(n-1) | Current Year (n)     |                     |                                     | Ensuing Year<br>(n+1) | Remarks |
|-------|--|------------------------|----------------------|---------------------|-------------------------------------|-----------------------|---------|
|       |  | 2022-23                | 2023-24              |                     |                                     | 2024-25               |         |
|       |  | (Actuals/Audited)      | Apr-Sep<br>(Actuals) | Oct-Mar (Estimated) | Total (April -<br>March) Projection | RE                    |         |
|       |  |                        |                      |                     |                                     |                       |         |
| 1     | - Plants and Machinery                       | 15.209                 | 6.27                 | 7.25                | 13.52                               | 13.72                 |         |
| 2     | -Buildings                                   | 3.320                  | 1.72                 | 0.42                | 2.14                                | 2.99                  |         |
| 3     | -Major Civil Works                           | 1.961                  | 1.43                 | 0.35                | 1.79                                | 1.77                  |         |
| 4     | -Hydraulic Work                              | 3.019                  | 3.77                 | 0.93                | 4.71                                | 2.72                  |         |
| 5     | -Lines Cables Networks etc.                  | 1.289                  | 0.19                 | 0.05                | 0.24                                | 1.16                  |         |
| 6     | -Vehicles                                    | 0.061                  | 0.02                 | 0.01                | 0.03                                | 0.05                  |         |
| 7     | -Furnitures and Fixtures                     | 0.006                  | 0.02                 | 0.00                | 0.02                                | 0.00                  |         |
| 8     | -Office Equipment & Other Items              | 1.070                  | 0.71                 | 0.18                | 0.89                                | 0.97                  |         |
| 9     | -Consumption of Stores and Spares(Lubricant) | 0.377                  | 0.05                 | 0.01                | 0.06                                | 0.34                  |         |
|       | Total R&M                                    | 26.312                 | 14.18                | 9.21                | 23.39                               | 23.73                 |         |

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

## Form: F-11.2

## Details of Employee Expenses

(Rs. Crore)

| S.No | Particulars  | Previous Year (n-1)          | Current Year (n)    |                                   |                                     |         | Ensuing Year (n+1) |  | Remarks |
|------|--|------------------------------|---------------------|-----------------------------------|-------------------------------------|---------|--------------------|--|---------|
|      |  | 2022-23<br>(Actuals/Audited) | Apr-Sep<br>(Actual) | 2023-24<br>Oct-Mar<br>(Estimated) | Total (April -<br>March) Projection | 2024-25 |                    |  |         |
|      |  |                              |                     |                                   |                                     | RE      |                    |  |         |
|      | Employee's Cost  |                              |                     |                                   |                                     |         |                    |  |         |
| 1    | - Basic Salaries   | 17.18                        | 8.42                | 10.10                             | 18.52                               | 19.92   |                    |  |         |
| 2    | - Dearness Allowance   | 6.07                         | 2.52                | 4.02                              | 6.54                                | 7.04    |                    |  |         |
| 3    | - Other Allowances incl. Leave Encashment                    | 2.55                         | 0.83                | 1.92                              | 2.74                                | 2.95    |                    |  |         |
| 4    | - Bonus/Ex-gratia and Incentives                             | 0.11                         | -                   | 0.12                              | 0.12                                | 0.13    |                    |  |         |
| 5    | - Staff welfare expenses                                     | 0.64                         | 0.60                | 0.09                              | 0.69                                | 0.75    |                    |  |         |
| 6    | - Medical Allowances   | 0.37                         | 0.15                | 0.24                              | 0.40                                | 0.43    |                    |  |         |
| 7    | - Others Expenses - Overtime to staff and Apprentice stipend | 0.00                         | 0.74                | -                                 | 0.74                                | 0.79    |                    |  |         |
| 8    | - Terminal Benefits  | 3.93                         | 1.71                | 2.53                              | 4.24                                | 4.56    |                    |  |         |
| 9    | - GPF Trust Interest   | 0.96                         | -                   | 1.03                              | 1.03                                | 1.11    |                    |  |         |
| 10   | - Leave encashment -actual valuation                         | 4.05                         | -                   | 4.36                              | 4.36                                | 4.69    |                    |  |         |
| 11   | - Medical leave -actual valuation                            | 0.57                         | -                   | 0.61                              | 0.61                                | 0.65    |                    |  |         |
| 12   | - Gratuity Expense - AS per Ind AS (PL Account)              | 0.92                         | -                   | 0.99                              | 0.99                                | 1.07    |                    |  |         |
| 13   | - Gratuity Expense - AS per Ind AS - (For OCI)               | 0.50                         | -                   | 0.54                              | 0.54                                | 0.58    |                    |  |         |
| 14   | - VII Pay Commission Arrear                                  | -                            | -                   | -                                 | -                                   | -       |                    |  |         |
| 15   | - Staff Electricity Expenses                                 | -                            | -                   | -                                 | -                                   | -       |                    |  |         |
| 16   | - Generation Incentive                                       | -                            | -                   | -                                 | -                                   | -       |                    |  |         |
|      | Employee expenses  | 37.84                        | 14.96               | 26.56                             | 41.52                               | 44.68   |                    |  |         |

(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
Chibro HEP

## Form: F- 11.3

## Details of Administration &amp; General Expenses

| Details of Administration & General Expenses |                              |                     |      |                  |                     |                       | (Rs. Crore) |         |
|--|------------------------------|---------------------|------|------------------|---------------------|-----------------------|-------------|---------|
| S.No   | Particulars                  | Previous Year (H-1) |      | Current Year (H) |                     | Estimating Year (H+1) |             | Remarks |
|  |                              | 2022-23             |      | 2023-24          |                     | 2024-25               |             |         |
|  |                              | (Actuals/Audited)   |      | Apr-Sep (Actual) | Oct-Mar (Estimated) | IIE                   |             |         |
| Administrative Expenses                      |                              |                     |      |                  |                     |                       |             |         |
| 1  | Insurance                    | 8.12                | 5.75 | 0.86             | 0.01                | 7.13                  |             |         |
| 2  | Rent                         | 0.06                | 0.03 | 0.03             | 0.07                | 0.07                  |             |         |
| 3  | Electricity Charges          | 0.07                | 0.04 | 0.04             | 0.08                | 0.09                  |             |         |
| 4  | Traveling and conveyance     | 0.21                | 0.13 | 0.10             | 0.23                | 0.25                  |             |         |
| 5  | Staff Car                    | 1.33                | 0.56 | 0.67             | 1.44                | 1.56                  |             |         |
| 6  | Telephone, telex and postage | 0.11                | 0.06 | 0.06             | 0.12                | 0.13                  |             |         |
| 7  | Advertising                  | 0.31                | 0.19 | 0.17             | 0.33                | 0.36                  |             |         |
| 8  | Entertainment                | 0.06                | 0.01 | 0.04             | 0.05                | 0.06                  |             |         |
| 9  | Corporate right expenses     | -                   | -    | -                | -                   | -                     |             |         |
| 10   | Legal Expenses               | 0.36                | 0.26 | 0.11             | 0.39                | 0.42                  |             |         |
| 11   | Consultancy charges          | 0.20                | 0.04 | 0.17             | 0.21                | 0.23                  |             |         |
| 12   | Professional Charges         | -                   | -    | -                | -                   | -                     |             |         |
| 13   | Printing & Stationery        | 0.26                | 0.07 | 0.21             | 0.26                | 0.30                  |             |         |
| 14   | Security Expenses            | 2.73                | 1.69 | 1.26             | 2.94                | 3.18                  |             |         |
| 15   | Rect. & Training Exp.        | 0.16                | 0.08 | 0.09             | 0.17                | 0.18                  |             |         |
| 16   | Fees & Subscription          | 0.06                | 0.01 | 0.08             | 0.09                | 0.10                  |             |         |
| 17   | Audit Expenses               | 0.10                | 0.04 | 0.07             | 0.11                | 0.12                  |             |         |
| 18   | House Keeping Expenses       | 0.33                | -    | 0.36             | 0.36                | 0.36                  |             |         |
| 19   | ERP Expenses                 | 1.06                | 0.95 | 1.08             | 1.14                | 1.23                  |             |         |
| 20   | Guest House Expenses         | 0.13                | 0.06 | 0.06             | 0.14                | 0.15                  |             |         |
| 21   | CSR Expenses                 | 0.60                | 0.09 | 0.68             | 0.65                | 0.70                  |             |         |
| 22   | Others                       | 0.38                | 0.29 | 0.13             | 0.41                | 0.45                  |             |         |
| 23   | Regulatory Fee               | 0.30                | -    | 0.33             | 0.33                | 0.35                  |             |         |
| 24   | Rebate to customers          | -                   | -    | -                | -                   | -                     |             |         |
| 25   | Loss on sale of share        | -                   | -    | -                | -                   | -                     |             |         |
| A&G Expenses                                 |                              | 14.955              | 9.45 | 6.70             | 16.16               | 17.42                 |             |         |

(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Name of Generating Company  
Name of Generating Station  
**Form: F-12**  
**Non Tariff Income**

UJVN Ltd.  
MB-II HEP

(Figures in Rs Crore)

| Sl. No. | Description  | Previous Year (n-1) | Current Year (n) |                     |                       | Ensuing Year (n+1) |
|---------|--|---------------------|------------------|---------------------|-----------------------|--------------------|
|         |  | (Actuals/Audited)   | Apr-Sep (Actual) | Oct-Mar (Estimated) | Total (April - March) | Projected          |
| 1       | Interest (Fixed Deposits)-62.223                   | 0.02                |                  |                     |                       |                    |
| 2       | Interest From Bank Other Than Int on FD - 62.270   | 0.16                |                  |                     |                       |                    |
| 3       | Interest-Others -62.230                            | 0.14                |                  |                     |                       |                    |
| 4       | Intrest on Advance to Contractor/Supp -62.260      | 0.00                |                  |                     |                       |                    |
| 5       | Profit on Sales of Store -62.330                   | 0.00                |                  |                     |                       |                    |
| 6       | Sale of Scrape-62.340                              | 0.00                |                  |                     |                       |                    |
| 7       | Sale of Tender Forms-62.361                        | 0.08                |                  |                     |                       |                    |
| 8       | Balance Misc. Receipt-62.369                       | 0.05                |                  |                     |                       |                    |
| 9       | Receipts frm Deputation employee- Leave Encash     | 0.03                |                  |                     |                       |                    |
| 10      | Receipts frm Deputation employee- Gratuity         | 0.01                |                  |                     |                       |                    |
| 11      | Rent From Staff -62.901                            | 0.02                |                  |                     |                       |                    |
| 12      | Rent From Contractors -62.902                      | 0.04                |                  |                     |                       |                    |
| 13      | Rent From Guest House 62.903                       | 0.07                |                  |                     |                       |                    |
| 14      | Recon Transp&Veh Exp (Ot Th. Reco Fr Staf)- 62.910 | 0.01                |                  |                     |                       |                    |
| 15      | Penalti for Delay in Supp.Exec. of Works- 62.917   | 0.21                |                  |                     |                       |                    |
| 16      | S.Credit Balance Written Back -62.912              | 0.36                |                  |                     |                       |                    |
| 17      | Other Excess Prov in Prior Period--65.8            | 0.18                |                  |                     |                       |                    |
| 18      | Other Income Relating to Prior Period -65.9        | 0.12                |                  |                     |                       |                    |
| 19      | Gain on Sales OF Asset-62.401                      | 0.00                |                  |                     |                       |                    |
|         | <b>Gain on Sales OF Asset-62.401</b>               | <b>1.49</b>         |                  |                     | <b>0.73</b>           | <b>0.73</b>        |
|         |  |                     |                  |                     |                       |                    |
|         |  |                     |                  |                     |                       |                    |
|         | <b>Total</b>                                       | <b>1.49</b>         |                  |                     | <b>0.73</b>           | <b>0.73</b>        |

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited



Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

Form: F- 13

### Summary of Truing Up

Previous Year (n-1)

2022-23

(Rs. Crore)

| S. No. | Particulars  | Approved | Actual | Deviation | Controllable | Uncontrollable |
|--------|--|----------|--------|-----------|--------------|----------------|
| A.     | Net Annual Fixed Charges                                 |          |        |           |              |                |
| 1      | Interest on Loan (Including Interest on Normative Loans) | 46.55    | 43.99  | 2.56      |              |                |
| 2      | Depreciation   | 46.65    | 51.68  | (5.03)    |              |                |
| 3      | Lease Charge   |          |        | -         |              |                |
| 4      | Return on Equity   | 52.67    | 52.23  | 0.44      |              |                |
| 5      | O&M Expenses   | 63.84    | 79.11  | (15.27)   |              |                |
| 6      | Interest on Working Capital                              | 5.31     | 6.02   | (0.71)    |              |                |
| 7      | Income Tax   |          |        |           |              |                |
| 8      | Gross Annual Fixed Charges (1+2+3+4+5+6+7)               | 215.02   | 233.03 | (18.01)   |              |                |
| 9      | Less; Other Income (provide details)                     | 0.73     | 1.49   | (0.76)    |              |                |
| 10     | Net Annual Fixed Charges (8-9)                           | 214.29   | 231.54 | (17.25)   |              |                |
|        |  |          |        |           |              |                |
|        |  |          |        |           |              |                |
| C      | Surplus/(Gap)  |          |        | (17.25)   |              |                |

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

**Form: F-14**

**Statement showing Return on Equity:**

(Figures in Rs Crore)

| Sl.N<br>o. | Particulars   | 2022-23 | 2023-24 | 2024-25 |
|------------|---|---------|---------|---------|
| (1)        | (2)   | (3)     | (4)     | (5)     |
|            | Opening Equity  | 316.57  | 325.87  | 335.21  |
|            | Add: Increase due to addition during the year /<br>period           | 9.30    | 9.34    | 21.62   |
|            | Less: Decrease due to de-capitalisation<br>during the year / period | 0.00    |         |         |
|            | Less: Decrease due to reversal during the year /<br>period          |         |         |         |
|            | Add: Increase due to discharges during the year<br>/ period         |         |         |         |
|            | Closing Equity  | 325.87  | 335.21  | 356.83  |
|            | Average Equity  | 321.22  | 330.54  | 346.02  |
|            | Rate of ROE   | 16.50%  | 16.50%  | 16.50%  |
|            | Return on Equity  | 53.00   | 54.54   | 57.09   |

Petitioner

(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Name of Generating Company  
Name of Generating Station

UJVN Ltd.  
MB-II HEP

Form: F-14A

### Return on Equity

| S.No. | Item  | 2022-23<br>(Actuals/<br>Audited) | 2023-24             |                        |                        | 2024-25<br>Projected | Remarks |
|-------|---|----------------------------------|---------------------|------------------------|------------------------|----------------------|---------|
|       |   |                                  | Apr-Sep<br>(Actual) | Oct-Mar<br>(Estimated) | Total (April<br>March) |                      |         |
| 1     | Equity at the beginning of the year           | 316.57                           |                     |                        | 325.87                 | 335.21               |         |
| 2     | Capital Expenditure                           | 39.59                            |                     |                        | 33.05                  | 85.46                |         |
| 3     | Equity portion of capital expenditure         | 9.30                             |                     |                        | 9.34                   | 21.62                |         |
| 4     | *Equity at the end of the year                | 325.87                           |                     |                        | 335.21                 | 356.83               |         |
|       | Return Computation                            |                                  |                     |                        |                        |                      |         |
|       | Return on Equity on Opening Balance of Equity | 16.50%                           |                     |                        | 16.50%                 | 16.50%               |         |
| 5     | *Net of decapitalization during the year      | 52.23                            |                     |                        | 53.77                  | 55.31                |         |

(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

# **Annexure-1**

**(Technical Report)**



## Annual Report on Technical Performance of MB-II HEP

### 1.1 Overview

- 1.1.1 The petitioner in compliance of the relevant Regulations of UERC (Terms and Conditions for determination of Multi Year Tariff) Regulations, 2021 is providing information with regard to the operational performance related to technical parameters of MB-II Hydro Power Station,

The operational parameters considered are:

- (a) Gross generation
- (b) AUX (Auxiliary consumption and Transformation losses)
- (c) Plant Availability factor (PAF)

- 1.1.2 The information provided in this chapter relates to operational performance:

- Actual in FY 2020-21, 2021-22, 2022-23 and 2023-24 (up to 30.09.2023)
- Expected in FY 2023-24 & projected for FY 2024-25.

### 1.2 Power Station Description

- 1.2.1 ManeriBhali Hydroelectric Project II, with an installed capacity of 304 MW (4X76 MW), envisages the utilization of head available in the river Bhagirathi between the tail waters of ManeriBhali Stage I and Stage II Projects. In ManeriBhali Stage II Project, water is diverted through a barrage at Joshiyara situated near the township of Uttarkashi at about 152 Km upstream from Rishikesh, the nearest railhead. The barrage is designed to divert 142 cumecs of water into a head race tunnel of diameter 6.0 m and length 16 km to generate electricity through a Power Station of 4X76 MW constructed at Dharasu.

- 1.2.2 The Power Station comprises of four hydro power generating units of 76 MW each. The generator is powered by Francis turbines of 78 MW rated capacity. The rated flow through each turbine is 35.5 cumecs. The Power Station was commissioned in 2008

- 1.2.3 Salient features of the Power Station are provided in form F2.3 of this petition.

MB-II HEP

*MSM*  
DSM (Tech)

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

November 2023

### 1.3 Energy Generation

1.3.1 Actual/Expected/Projected energy generation in FY 2020-21, FY 2021-22, FY 2022-23, FY 2023-24 & FY 2024-25 is given in the table below:

Table 1: Actual, Expected & Projected Energy

| Particulars                                      | Norms  | 2020-21<br>(A) | 2021-22<br>(A) | 2022-23<br>(A) | 2023-24<br>(E) | 2024-25<br>(P) |
|--|--------|----------------|----------------|----------------|----------------|----------------|
| Design Energy                                    |        | 1,291.00       | 1,291.00       | 1,291.00       | 1,291.00       | 1,291.00       |
| Actual Generation (MU)                           |        | 1,301.82       | 1,374.16       | 1,290.21       | 1,288.90       | 1,310.00       |
| Auxiliary Cons. (%)                              | 0.50%  | 0.59%          | 0.59%          | 0.73%          | 0.66%          | 0.66%          |
| Transformation/ other losses and consumption (%) | 0.50%  |                |                |                |                |                |
| Aux. Cons. & Trans. Losses (In MU)               |        | 7.70           | 8.06           | 9.39           | 8.54           | 8.68           |
| Dam/Barrage/STP Consumption (In MU)              |        |                | 0.18           | 0.24           | 0.21           | 0.21           |
| Net Saleable Energy (MU)                         | 1278.1 | 1294.12        | 1365.92        | 1280.58        | 1280.15        | 1301.11        |

\* Projected Generation is based on average generation of previous years minus generation loss due to additional water release from Joshiyara Barrage as per GoI NMCG order.

1.3.2 The AUX (auxiliary consumption and transformation losses) in current control period is expected to be within the normative level.

### 1.4 Plant Availability Factor

The recovery of the Annual Fixed Charges is dependent on the Plant Availability achieved by the Power Station. The principle for recovery of fixed charges on the basis of the availability achieved by the plant has been introduced by the Hon'ble Commission according to the UERC (Terms and Conditions for determination of Multi Year tariff) Regulations w.e.f. F.Y. 2013-14. The petitioner has provided this factor as per the provisions of the above regulations.

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

MB-II HEP

  
DGM (Tech)

November 2023

Table 2: Plant Availability Factor

| Particulars            | 2017-18<br>(A) | 2020-21<br>(A) | 2021-22<br>(A) | 2022-23<br>(A) | 2023-24<br>(E) | 2024-25<br>(P) |
|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Approved NAPAF         | 76.00%         | 66.51%         | 79.04%         | 80.08%         | 74.22%         | 72.77%         |
| Achieved PAFM (%)      | 76.00%         |                |                |                |                |                |
| Planned Outages (Hrs.) | NA             | 9,138.13       | 4,998.30       | 4,421          | 6,576          | 5,760          |
| Forced Outages (Hrs.)  | NA             | 618.31         | 453.39         | 409            | 494            | 452            |

\* Projected PAFY is based on average PAFY of previous years minus reduction in PAFY due to reduction in peak load because of additional water release as per GoI NMCG order.

#### 1.4 PAFY:

1.4.1 NAPAF for Maneri Bhali-II HEP is revised by Hon'ble Commission to 76% for FY 2019-20, 2020-21 and 2021-22.

1.4.2 NAPAF for Maneri Bhali-II HEP has been determined by Hon'ble Commission to 76% for Fourth Control period FY 2022-23, 2023-24 and 2024-25, the Petitioner seeks no deviation in approved NAPAF for FY 2021-22, FY 2022-23, FY 2023-24 and FY 2024-25.

Actual and Expected PAFY of Maneri Bhali-II HEP from FY 2017-18 to FY 2024-25 are as tabulated below:

Table 3: Actual &amp; Expected PAFM (%)

| Sl. No. | Year    | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Jan   | Feb   | Mar   | Average |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1       | 2017-18 | 51.66 | 76.10 | 92.47 | 86.68 | 83.11 | 76.57 | 71.09 | 53.28 | 45.20 | 47.40 | 48.96 | 49.47 | 65.17   |
| 2       | 2018-19 | 63.32 | 76.04 | 97.53 | 96.74 | 95.86 | 93.53 | 68.39 | 65.80 | 50.64 | 38.00 | 37.21 | 46.92 | 69.16   |
| 3       | 2019-20 | 50.18 | 81.07 | 93.17 | 88.60 | 84.10 | 84.50 | 63.92 | 49.67 | 40.26 | 40.46 | 43.92 | 48.07 | 63.99   |
| 4       | 2020-21 | 49.65 | 51.84 | 76.70 | 94.26 | 94.81 | 94.06 | 79.19 | 54.00 | 49.63 | 48.77 | 49.80 | 55.47 | 66.51   |
| 5       | 2021-22 | 73.44 | 93.25 | 97.75 | 92.36 | 95.26 | 90.14 | 86.67 | 74.24 | 51.37 | 52.37 | 69.59 | 72.09 | 79.04   |
| 6       | 2022-23 | 85.16 | 93.07 | 85.53 | 93.07 | 90.30 | 90.45 | 88.11 | 69.34 | 52.56 | 67.66 | 71.96 | 73.70 | 80.08   |
| 7       | 2023-24 | 75.48 | 81.34 | 94.57 | 93.67 | 96.48 | 97.17 | 77.26 | 62.61 | 48.89 | 49.45 | 54.50 | 59.25 | 74.22   |
| 8       | 2024-25 | 66.78 | 80.11 | 89.54 | 92.39 | 92.19 | 91.26 | 79.03 | 61.97 | 48.54 | 51.74 | 57.95 | 61.72 | 72.77   |

MB-II HEP

*[Signature]*  
DSM (Tech)

*[Signature]*  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

November 2023



- 1.5 **Planned Outages:** Planned outages on account of annual/capital maintenance in FY 2022-23 to FY 2024-25 are given below. The Petitioner shall continue to lay emphasis on preventive and planned maintenance of machines for the year 2023-24 onwards for better power station availability.

**Table 4: Planned Maintenance Plan**

| FY      | Unit No. | Date of Start | Date of Completion | No of Days | Remarks |
|---------|----------|---------------|--------------------|------------|---------|
| 2022-23 | Unit 1   | 01-04-2022    | 07-04-2022         | 7          | AM      |
|         |          | 26-11-2022    | 21-01-2023         | 57         | AM      |
|         | Unit 2   | 03-11-2022    | 26-12-2022         | 54         | AM      |
|         | Unit 3   | 22-01-2023    | 17-03-2023         | 55         | AM      |
|         | Unit 4   | 18-03-2023    | 31-03-2023         | 14         | AM      |
| 2023-24 | Unit 1   | 10-12-2023    | 09-02-2024         | 62         | AM      |
|         | Unit 2   | 10-02-2024    | 31-03-2024         | 51         | AM      |
|         | Unit 3   | 01-11-2023    | 31-12-2023         | 61         | AM      |
|         | Unit 4   | 01-04-2023    | 04-05-2023         | 34         | AM      |
|         |          | 10-01-2024    | 10-03-2024         | 61         | AM      |
| 2024-25 | Unit 1   | 15-10-2024    | 13-12-2024         | 60         | AM      |
|         | Unit 2   | 01-04-2024    | 11-04-2024         | 11         | AM      |
|         |          | 15-11-2024    | 13-01-2025         | 60         | AM      |
|         | Unit 3   | 01-01-2025    | 01-03-2025         | 60         | AM      |
|         | Unit 4   | 20-01-2025    | 20-03-2025         | 60         | AM      |

AM- Annual Maintenance, CM-Capital Maintenance

  
(Suresh Chandra Batuni)  
Director (Project)  
UJVN Limited



# **Annexure-2**

## **(Recruitment Plan)**

| UJVN Limited, Dehradun   |     |         |       |     |         |       |       |
|--|-----|---------|-------|-----|---------|-------|-------|
| Details of employees for FY. 2022-23 Actual                                      |     |         |       |     |         |       |       |
| Particular   | HQ  | 10 LHPs | Vyasi | SHP | Project | Solar | Total |
| Opening balance  | 310 | 1209    | 127   | 141 | 108     | 3     | 1898  |
| Recruitment during year  | 0   | 8       | 1     | 1   | 6       | 1     | 17    |
| Retirement etc. (Including employees retired on 31.03.2023)                      | 9   | 47      | 1     | 6   | 3       | 0     | 66    |
| Total after recruitment & retirement etc.  | 301 | 1170    | 127   | 136 | 111     | 4     | 1849  |
| No of inward / outward transfer (Net)  | +1  | -3      | -32   | +3  | +30     | +1    | 0     |
| *Closing balance after internal transfer during Year (Actual)                    | 302 | 1167    | 95    | 139 | 141     | 5     | 1849  |
| Details of employees for FY. 2023-24 (From 01-04-2023 to 30-09-2023) Actual      |     |         |       |     |         |       |       |
| Particular   | HQ  | 10 LHPs | Vyasi | SHP | Project | Solar | Total |
| Opening Balance  | 302 | 1167    | 95    | 139 | 141     | 5     | 1849  |
| Recruitment during year  | 7   | 4       | 1     | 0   | 1       | 0     | 13    |
| Retirement etc. (Including employees retired on 30.09.2023)                      | 6   | 17      | 0     | 0   | 0       | 0     | 23    |
| Total after recruitment & retirement etc.  | 303 | 1154    | 96    | 139 | 142     | 5     | 1839  |
| No of inward / outward transfer (Net)  | +8  | +2      | -11   | -3  | +4      | 0     | 0     |
| *Closing balance after internal transfer during Year (Actual)                    | 311 | 1156    | 85    | 136 | 146     | 5     | 1839  |
| Details of employees for FY. 2023-24 (From 01-10-2023 to 31-03-2024) (Projected) |     |         |       |     |         |       |       |
| Particular   | HQ  | 10 LHPs | Vyasi | SHP | Project | Solar | Total |
| Opening Balance  | 311 | 1156    | 85    | 136 | 146     | 5     | 1839  |
| Recruitment during year  | 5   | 93      | 0     | 5   | 7       | 0     | 110   |
| Retirement etc.  | 9   | 20      | 0     | 3   | 0       | 0     | 32    |
| Total after recruitment & retirement etc.  | 307 | 1229    | 85    | 138 | 153     | 5     | 1917  |
| Details of employees for FY. 2023-24 (Projected)                                 |     |         |       |     |         |       |       |
| Particular   | HQ  | LHPs    | Vyasi | SHP | Project | Solar | Total |
| Opening Balance  | 302 | 1167    | 95    | 139 | 141     | 5     | 1849  |
| Recruitment during year  | 12  | 97      | 1     | 5   | 8       | 0     | 123   |
| Retirement etc.  | 15  | 37      | 0     | 3   | 0       | 0     | 55    |
| No of inward / outward transfer (Net)  | +8  | +2      | -11   | -3  | +4      | 0     | 0     |
| Total after recruitment & retirement etc.  | 307 | 1229    | 85    | 138 | 153     | 5     | 1917  |
| Details of employees for FY. 2024-25 (Projected)                                 |     |         |       |     |         |       |       |
| Particular   | HQ  | 10 LHPs | Vyasi | SHP | Project | Solar | Total |
| Opening Balance  | 307 | 1229    | 85    | 138 | 153     | 5     | 1917  |
| Recruitment during year  | 15  | 120     | 0     | 5   | 10      | 0     | 150   |
| Retirement etc.  | 19  | 42      | 1     | 6   | 1       | 0     | 69    |
| Total after recruitment & retirement etc.  | 303 | 1307    | 84    | 137 | 162     | 5     | 1998  |

\*This Figure Indicates Cumulative Effect of internal Nigam Transfer among HQ/HQ/SHP/Project/Solar

Total working Strength Vyasi Project 127 (as on 01.4.2022 & 22.04.2022)

Note:- Manager Environment included in HQ

*duanos*

*[Signature]*

*[Signature]*

*[Signature]*  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

**वर्ष 2022-2023 में नियुक्त कार्मिकों का विवरण**

| क्र०.सं० | पदनाम                           | नियुक्त कार्मिकों की संख्या | भर्ती का स्रोत |
|----------|---------------------------------|-----------------------------|----------------|
| 01       | सहायक अभियन्ता (जानपद)          | 02                          | सीधी भर्ती     |
| 02       | सहायक अभियन्ता (वि०एवं यौ०)     | 04                          | सीधी भर्ती     |
| 03       | कार्यालय सहायक तृतीय            | 05                          | मृतक आश्रित    |
| 04       | टी०जी०- ग्रेड द्वितीय (विद्युत) | 02                          | मृतक आश्रित    |
| 05       | श्रमिक                          | 04                          | मृतक आश्रित    |
| 06       | चपरासी                          | 01                          | मृतक आश्रित    |
|          | <b>योग</b>                      | <b>18</b>                   |                |

\* श्री विश्वजीत सिंह, सहायक अभियन्ता (वि०एवं यौ०) के पद पर 01 अप्रैल 2022 को कार्यभार ग्रहण किया गया जो कि 01 अप्रैल 2022-23 के प्रारंभिक शेष (Opening Balance) में शामिल है। वर्ष 2022-23 में 01.04.2022 के पश्चात भर्ती से 17 कार्मिक भर्ती हुये है। इस प्रकार वर्ष 2022-23 में कुल 18 पदों पर भर्ती हुई है।

**वर्ष 2023-2024 में भर्ती के पदों का विवरण**

| क्र०. सं० | पदनाम                            | वास्तविक<br>01.04.<br>2023<br>से 30.<br>09.2023 | प्रस्तावित<br>01.10.<br>2023 से<br>31.03.<br>2024 | 01.04.<br>2023<br>से 31.<br>03.<br>2024 | मुख्यालय  | एल०<br>एच०<br>पी० | व्यासी<br>परियोजना | एस०<br>एच०<br>पी० | परियोजनायें |
|-----------|----------------------------------|---|---|---|-----------|-------------------|--------------------|-------------------|-------------|
| 01        | आर०एण्ड<br>आर०<br>ऑफिसर          | 0   | 01  | 01                                      | —         | —                 | —                  | —                 | 01          |
| 02        | प्रबन्धक<br>(पर्यावरण)           | 0   | 01  | 01                                      | —         | —                 | —                  | —                 | 01          |
| 03        | अवर अभियन्ता<br>(वि०एवं यौ०)     | 0   | 25  | 25                                      | —         | 22                | —                  | 03                | —           |
| 04        | अवर अभियन्ता<br>(जानपद)          | 0   | 25  | 25                                      | —         | 18                | —                  | 02                | 05          |
| 05        | कार्यालय<br>सहायक<br>ग्रेड तृतीय | 01  | 10  | 11                                      | 04        | 07                | —                  | —                 | —           |
| 06        | टी०जी०- II<br>(वि०एवं यौ०)       | 0   | 33  | 33                                      | —         | 33                | —                  | —                 | —           |
| 07        | आशुलिपिक<br>ग्रेड-तृतीय          | 11  | 15  | 26                                      | 08        | 16                | 1                  | —                 | 01          |
| 08        | श्रमिक                           | 01  | 0   | 01                                      | —         | 1                 | —                  | —                 | —           |
|           | <b>योग</b>                       | <b>13</b>                                       | <b>110</b>  | <b>123</b>                              | <b>12</b> | <b>97</b>         | <b>01</b>          | <b>05</b>         | <b>08</b>   |

आशुलिपिक तृतीय के 26 पदों में से 11 पदों पर पूर्व में ही दिनांक 15.04.2023 को नियुक्ति दी जा चुकी है। तथा मृतक आश्रित कोटों में 01 कार्यालय सहायक-II। दिनांक 24.07.2023 एवं 01 श्रमिक की नियुक्ति दिनांक 25.08.2023 को दी गयी हैं।

**वर्ष 2024-2025 में प्रस्तावित सीधी भर्ती के पदों का विवरण**

| क्र०. सं० | वर्ष    | प्रस्तावित रोजगार सृजन हेतु पदों की संख्या (राज्य सरकार द्वारा पदों को अनफ्रीज किये जाने की प्रत्याशा में) | मुख्यालय | एल०एच०पी० | एस०एच०पी० | अनुमानित |
|-----------|---------|--|----------|-----------|-----------|----------|
| 01        | 2024-25 | 150  | 15       | 120       | 5         | 10       |

(Suresh Chandra Baluni)  
Director (Project)

# **Annexure-3**

**(State Bank of India MCLR)**




[Interest Rates](#) | [Deposit Rates](#) | [Loan Schemes - Interest Rates](#) | [SBI NRI Services - Interest Rates](#)
[Show More](#)

%

MCLR Historical Data

MCLR Historical Data

## Marginal Cost Lending Rates

| Effective Date | Interest Rate (%) |      |      |      |      |      |      |
|----------------|-------------------|------|------|------|------|------|------|
|                | 0%                | 1%   | 14   | 50   | 75   | 20   | 11   |
| 15.10.2022     | 8.00              | 8.15 | 8.15 | 8.45 | 8.55 | 8.65 | 8.75 |
| 15.09.2022     | 8.00              | 8.15 | 8.15 | 8.45 | 8.55 | 8.65 | 8.75 |
| 15.08.2022     | 8.00              | 8.15 | 8.15 | 8.45 | 8.55 | 8.65 | 8.75 |
| 15.07.2022     | 8.00              | 8.15 | 8.15 | 8.45 | 8.55 | 8.65 | 8.75 |
| 15.06.2022     | 7.95              | 8.10 | 8.10 | 8.40 | 8.50 | 8.60 | 8.70 |
| 15.05.2022     | 7.95              | 8.10 | 8.10 | 8.40 | 8.50 | 8.60 | 8.70 |
| 15.04.2022     | 7.95              | 8.10 | 8.10 | 8.40 | 8.50 | 8.60 | 8.70 |
| 15.03.2022     | 7.95              | 8.10 | 8.10 | 8.40 | 8.50 | 8.60 | 8.70 |
| 15.02.2022     | 7.95              | 8.10 | 8.10 | 8.40 | 8.50 | 8.60 | 8.70 |
| 15.01.2022     | 7.85              | 8.00 | 8.00 | 8.30 | 8.40 | 8.50 | 8.60 |
| 15.12.2021     | 7.85              | 8.00 | 8.00 | 8.30 | 8.35 | 8.50 | 8.60 |
| 15.11.2021     | 7.60              | 7.75 | 7.75 | 8.05 | 8.05 | 8.25 | 8.35 |
| 15.10.2021     | 7.60              | 7.60 | 7.60 | 7.80 | 7.95 | 8.15 | 8.25 |
| 15.09.2021     | 7.35              | 7.35 | 7.35 | 7.65 | 7.70 | 7.80 | 8.00 |
| 15.08.2021     | 7.35              | 7.35 | 7.35 | 7.65 | 7.70 | 7.90 | 8.00 |
| 15.07.2021     | 7.15              | 7.15 | 7.15 | 7.45 | 7.50 | 7.70 | 7.80 |
| 15.06.2021     | 7.05              | 7.05 | 7.05 | 7.35 | 7.40 | 7.60 | 7.70 |
| 15.05.2021     | 6.85              | 6.85 | 6.85 | 7.15 | 7.20 | 7.40 | 7.50 |
| 15.04.2021     | 6.75              | 6.75 | 6.75 | 7.05 | 7.10 | 7.30 | 7.40 |
| 15.03.2021     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 15.02.2021     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 15.01.2021     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 15.12.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 15.11.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 15.10.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 15.09.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 15.08.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 15.07.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 15.06.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 15.05.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 15.04.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 10.04.2021     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 10.03.2021     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 10.02.2021     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 10.01.2021     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 10.12.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 10.11.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 10.10.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 10.09.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 10.08.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 10.07.2020     | 6.65              | 6.65 | 6.65 | 6.95 | 7.00 | 7.20 | 7.30 |
| 10.06.2020     | 6.70              | 6.70 | 6.75 | 6.95 | 7.00 | 7.20 | 7.30 |
| 10.05.2020     | 6.95              | 6.95 | 7.00 | 7.20 | 7.25 | 7.45 | 7.55 |
| 10.04.2020     | 7.10              | 7.10 | 7.15 | 7.35 | 7.40 | 7.60 | 7.70 |
| 10.03.2020     | 7.45              | 7.45 | 7.50 | 7.70 | 7.75 | 7.95 | 8.05 |
| 10.02.2020     | 7.60              | 7.60 | 7.65 | 7.80 | 7.85 | 8.05 | 8.15 |
| 10.01.2020     | 7.65              | 7.65 | 7.70 | 7.85 | 7.90 | 8.10 | 8.20 |
| 10.12.2019     | 7.65              | 7.65 | 7.70 | 7.85 | 7.90 | 8.10 | 8.20 |

(Suresh Chandra Baluni)  
Director (Project)  
UJVNL Limited

|            |      |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|------|
| 10.11.2019 | 7.65 | 7.65 | 7.70 | 7.65 | 8.00 | 8.10 | 8.20 |
| 10.10.2019 | 7.70 | 7.70 | 7.75 | 7.90 | 8.05 | 8.15 | 8.25 |
| 10.09.2019 | 7.80 | 7.80 | 7.85 | 8.00 | 8.15 | 8.25 | 8.35 |
| 10.08.2019 | 7.90 | 7.90 | 7.95 | 8.10 | 8.25 | 8.35 | 8.45 |
| 10.07.2019 | 8.05 | 8.05 | 8.10 | 8.25 | 8.40 | 8.50 | 8.60 |
| 10.06.2019 | 8.10 | 8.10 | 8.15 | 8.30 | 8.45 | 8.55 | 8.65 |
| 10.05.2019 | 8.10 | 8.10 | 8.15 | 8.30 | 8.45 | 8.55 | 8.68 |
| 10.04.2019 | 8.15 | 8.15 | 8.20 | 8.35 | 8.50 | 8.60 | 8.70 |
| 10.03.2019 | 8.20 | 8.20 | 8.25 | 8.40 | 8.55 | 8.65 | 8.75 |
| 10.02.2019 | 8.20 | 8.20 | 8.25 | 8.40 | 8.55 | 8.65 | 8.75 |
| 10.01.2019 | 8.20 | 8.20 | 8.25 | 8.40 | 8.55 | 8.65 | 8.75 |
| 10.12.2018 | 8.20 | 8.20 | 8.25 | 8.40 | 8.55 | 8.65 | 8.75 |
| 01.11.2018 | 8.15 | 8.15 | 8.20 | 8.35 | 8.50 | 8.60 | 8.70 |
| 01.10.2018 | 8.15 | 8.15 | 8.20 | 8.35 | 8.50 | 8.60 | 8.70 |
| 01.09.2018 | 8.10 | 8.10 | 8.15 | 8.30 | 8.45 | 8.55 | 8.65 |
| 01.08.2018 | 7.90 | 7.90 | 7.95 | 8.10 | 8.25 | 8.35 | 8.45 |
| 01.07.2018 | 7.90 | 7.90 | 7.95 | 8.10 | 8.25 | 8.35 | 8.45 |
| 01.06.2018 | 7.90 | 7.90 | 7.95 | 8.10 | 8.25 | 8.35 | 8.45 |
| 01.05.2018 | 7.80 | 7.80 | 7.85 | 8.00 | 8.15 | 8.25 | 8.35 |
| 01.04.2018 | 7.80 | 7.80 | 7.85 | 8.00 | 8.15 | 8.25 | 8.35 |
| 01.03.2018 | 7.80 | 7.80 | 7.85 | 8.00 | 8.15 | 8.25 | 8.35 |
| 01.02.2018 | 7.70 | 7.60 | 7.85 | 7.90 | 7.95 | 8.05 | 8.10 |
| 01.01.2018 | 7.70 | 7.80 | 7.85 | 7.90 | 7.95 | 8.05 | 8.10 |
| 01.12.2017 | 7.70 | 7.80 | 7.85 | 7.90 | 7.95 | 8.05 | 8.10 |
| 01.11.2017 | 7.70 | 7.80 | 7.85 | 7.90 | 7.95 | 8.05 | 8.10 |
| 01.10.2017 | 7.75 | 7.85 | 7.90 | 7.95 | 8.00 | 8.10 | 8.15 |
| 01.09.2017 | 7.75 | 7.85 | 7.90 | 7.95 | 8.00 | 8.10 | 8.15 |
| 01.08.2017 | 7.75 | 7.85 | 7.90 | 7.95 | 8.00 | 8.10 | 8.15 |
| 01.07.2017 | 7.75 | 7.85 | 7.90 | 7.95 | 8.00 | 8.10 | 8.15 |
| 01.06.2017 | 7.75 | 7.85 | 7.90 | 7.95 | 8.00 | 8.10 | 8.15 |
| 01.05.2017 | 7.75 | 7.85 | 7.90 | 7.95 | 8.00 | 8.10 | 8.15 |
| 01.04.2017 | 7.75 | 7.85 | 7.90 | 7.95 | 8.00 | 8.10 | 8.15 |
| 01.03.2017 | 7.75 | 7.85 | 7.90 | 7.95 | 8.00 | 8.10 | 8.15 |
| 01.02.2017 | 7.75 | 7.85 | 7.90 | 7.95 | 8.00 | 8.10 | 8.15 |
| 01.01.2017 | 7.75 | 7.85 | 7.90 | 7.95 | 8.00 | 8.10 | 8.15 |
| 01.12.2016 | 8.85 | 8.75 | 8.80 | 8.85 | 8.90 | 9.00 | 9.05 |
| 01.11.2016 | 8.65 | 8.75 | 8.80 | 8.85 | 8.90 | 9.00 | 9.05 |
| 01.10.2016 | 8.80 | 8.90 | 8.95 | 9.00 | 9.05 | 9.15 | 9.20 |
| 01.09.2016 | 8.85 | 8.95 | 9.00 | 9.05 | 9.10 | 9.20 | 9.25 |
| 01.08.2016 | 8.85 | 8.95 | 9.00 | 9.05 | 9.10 | 9.20 | 9.25 |
| 01.07.2016 | 8.90 | 9.00 | 9.05 | 9.10 | 9.15 | 9.25 | 9.30 |
| 01.06.2016 | 8.90 | 9.00 | 9.05 | 9.10 | 9.15 | 9.25 | 9.30 |
| 01.05.2016 | 8.90 | 9.00 | 9.05 | 9.10 | 9.15 | 9.25 | 9.30 |
| 01.04.2016 | 8.95 | 9.05 | 9.10 | 9.15 | 9.20 | 9.30 | 9.35 |

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**(Suresh Chandra Baluni)**  
**Director (Project)**  
**UJVNL Limited**

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(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

# **Annexure-4**

**(Impact of NGT Order on Design Energy)**



**Generation Loss due to E-Flow Release by UJVN Ltd as per NGT order dated 09.08.2017 and NMCG order dated 10.10.2018 and 14.09.2019 for F.Y. 2022-23**

| Generation Loss due to E-Flow Release by UJVNL Ltd as per NGT order dated 09-08-2017 and NMCGL order dated 10-10-2018 and 14-09-2019 for FY 2019-20 |                        |  |                                  |                        |  |                                  |                        |  |                                  |                        |  |                                  |                        |  |                                  |                        |  |                                  |                        |  |                                  |                        |  |                                  |                        |  |                                  |                        |  |                                  |        |       |       |        |         |      |                  |
|---|------------------------|--|----------------------------------|------------------------|--|----------------------------------|------------------------|--|----------------------------------|------------------------|--|----------------------------------|------------------------|--|----------------------------------|------------------------|--|----------------------------------|------------------------|--|----------------------------------|------------------------|--|----------------------------------|------------------------|--|----------------------------------|------------------------|--|----------------------------------|--------|-------|-------|--------|---------|------|------------------|
| Name of Power Station   | Apr-22                 |  |                                  | May-22                 |  |                                  | Jun-22                 |  |                                  | Jul-22                 |  |                                  | Aug-22                 |  |                                  | Sep-22                 |  |                                  | Oct-22                 |  |                                  | Nov-22                 |  |                                  | Dec-22                 |  |                                  | Jan-23                 |  |                                  | Feb-23 |       |       | Mar-23 |         |      | Total Loss in MU |
|   | Average Flow in Cumecs | E-Flow Release due to E-Flow in Cumecs | General Loss due to E-Flow in MU | Average Flow in Cumecs | E-Flow Release due to E-Flow in Cumecs | General Loss due to E-Flow in MU | Average Flow in Cumecs | E-Flow Release due to E-Flow in Cumecs | General Loss due to E-Flow in MU | Average Flow in Cumecs | E-Flow Release due to E-Flow in Cumecs | General Loss due to E-Flow in MU | Average Flow in Cumecs | E-Flow Release due to E-Flow in Cumecs | General Loss due to E-Flow in MU | Average Flow in Cumecs | E-Flow Release due to E-Flow in Cumecs | General Loss due to E-Flow in MU | Average Flow in Cumecs | E-Flow Release due to E-Flow in Cumecs | General Loss due to E-Flow in MU | Average Flow in Cumecs | E-Flow Release due to E-Flow in Cumecs | General Loss due to E-Flow in MU | Average Flow in Cumecs | E-Flow Release due to E-Flow in Cumecs | General Loss due to E-Flow in MU | Average Flow in Cumecs | E-Flow Release due to E-Flow in Cumecs | General Loss due to E-Flow in MU |        |       |       |        |         |      |                  |
| Chibro  | 55.82                  | 9.37                                   | 8.09                             | 72.46                  | 10.87                                  | 7.83                             | 72.46                  | 10.87                                  | 8.00                             | 72.46                  | 10.87                                  | 7.83                             | 72.46                  | 10.87                                  | 7.83                             | 72.46                  | 10.87                                  | 8.00                             | 72.46                  | 10.87                                  | 7.83                             | 72.46                  | 10.87                                  | 7.83                             | 72.46                  | 10.87                                  | 8.00                             | 72.46                  | 10.87                                  | 7.83                             | 72.46  | 10.87 | 8.09  | 70.460 |         |      |                  |
| Khodri  | 55.82                  | 8.37                                   | 3.56                             | 72.46                  | 10.87                                  | 0.46                             | 72.46                  | 10.87                                  | 8.00                             | 72.46                  | 10.87                                  | 0.46                             | 72.46                  | 10.87                                  | 8.00                             | 72.46                  | 10.87                                  | 8.00                             | 72.46                  | 10.87                                  | 0.46                             | 72.46                  | 10.87                                  | 0.46                             | 72.46                  | 10.87                                  | 8.00                             | 72.46                  | 10.87                                  | 0.46                             | 72.46  | 10.87 | 3.56  | 31.902 |         |      |                  |
| Chakrapar   | 56.80                  | 14.52                                  | 0.05                             | 67.71                  | 10.16                                  | 0.06                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71  | 10.16 | 0.05  | 6.378  |         |      |                  |
| Shadpur   | 56.80                  | 14.52                                  | 2.80                             | 67.71                  | 10.16                                  | 2.02                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71                  | 10.16                                  | 0.00                             | 67.71  | 10.16 | 2.80  | 14.882 |         |      |                  |
| Kufal   | 13.02                  | 16.47                                  | 1.82                             | 13.02                  | 13.11                                  | 1.38                             | 13.02                  | 13.11                                  | 0.00                             | 13.02                  | 13.11                                  | 0.00                             | 13.02                  | 13.11                                  | 0.00                             | 13.02                  | 13.11                                  | 0.00                             | 13.02                  | 13.11                                  | 0.00                             | 13.02                  | 13.11                                  | 0.00                             | 13.02                  | 13.11                                  | 0.00                             | 13.02                  | 13.11                                  | 0.00                             | 13.02  | 13.11 | 1.82  | 11.499 |         |      |                  |
| Tiloth  | 39.20                  | 13.89                                  | 12.53                            | 117.52                 | 36.76                                  | 6.82                             | 165.80                 | 41.81                                  | 2.47                             | 373.44                 | 67.03                                  | 0.00                             | 367.83                 | 75.29                                  | 0.00                             | 215.20                 | 56.48                                  | 0.00                             | 89.34                  | 31.95                                  | 13.89                            | 89.82                  | 13.16                                  | 1.66                             | 37.84                  | 7.88                                   | 7.61                             | 30.33                  | 6.32                                   | 6.19                             | 31.26  | 6.17  | 6.45  | 29.63  | 62.143  |      |                  |
| MB-I  | 81.01                  | 15.91                                  | 24.53                            | 119.19                 | 26.36                                  | 35.97                            | 181.60                 | 34.39                                  | 22.46                            | 423.89                 | 77.95                                  | 0.00                             | 417.86                 | 113.87                                 | 0.00                             | 247.22                 | 89.27                                  | 0.00                             | 121.33                 | 54.36                                  | 38.70                            | 49.42                  | 13.80                                  | 21.11                            | 30.30                  | 8.29                                   | 14.64                            | 31.68                  | 6.85                                   | 10.39                            | 30.97  | 6.83  | 8.83  | 28.89  | 188.370 |      |                  |
| Chilla  | 517.85                 | 89.20                                  | 13.31                            | 688.33                 | 207.30                                 | 16.02                            | 600.75                 | 172.29                                 | 17.29                            | 1857.13                | 702.89                                 | 0.00                             | 2132.09                | 328.84                                 | 0.00                             | 2445.55                | 181.31                                 | 0.00                             | 785.68                 | 204.89                                 | 10.37                            | 343.64                 | 85.42                                  | 12.85                            | 424.66                 | 68.01                                  | 10.41                            | 424.57                 | 68.06                                  | 10.71                            | 422.74 | 67.88 | 7.88  | 374.72 | 63.59   | 9.78 | 508.979          |
| Grand Total   |                        |  | 63.68                            |                        |  | 1.78                             |                        |  | 3.76                             |                        |  | 0.30                             |                        |  | 0.30                             |                        |  | 73.27                            |                        |  | 48.18                            |                        |  | 31.22                            |                        |  | 38.70                            |                        |  | 43.82                            |        |       | 41.88 |        | 496.86  |      |                  |

Remark: Assuming Generation loss at Khodri Power House as 44% of Chibro Power House.

The e-flow for Bhagirthi and Ganga River (MB-I, MB-II and Chilla) is 20%, 25% and 30% respectively for dry, lean and monsoon period whereas e-flow is 15% for other Power Houses throughout the year.

It is hereby confirmed that in the calculation of generation loss due to e-flow no other losses have been included. There is no over lapping of generation loss.

*Handwritten signature*  
DSON (Jen)

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Generation Loss due to E-Flow Release by UJVN Ltd as per NGT order dated 09.08.2017 and NMCG order dated 10.10.2018 and 14.09.2019 for F.Y. 2023-24 (Upto Sept Actual and Tentative for Oct 23 to Mar 24)

| Generation Loss due to E-Flow Release by UJVN Ltd as per NGT order dated 09.08.2017 and NWCQ order dated 10.10.2018 and 18.05.2019 for FYs 2023-24 (Topo) upto Release |   |                                       |                                       |   |                                       |                                       |   |                                       |                                       |   |                                       |                                       |   |                                       |                                       |   |                                       |                                       |   |                                       |                                       |   |                                       |                                       |   |                                       |                                       |   |                                       |                                       |   |                                       |                                       |        |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |  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| Name of Power Station  | Apr-23  |                                       |                                       | May-23  |                                       |                                       | Jun-23  |                                       |                                       | Jul-23  |                                       |                                       | Aug-23  |                                       |                                       | Sep-23  |                                       |                                       | Oct-23  |                                       |                                       | Nov-23  |                                       |                                       | Dec-23  |                                       |                                       | Jan-24  |                                       |                                       | Feb-24  |                                       |                                       | Mar-24 |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |   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|  | E-Flow Release due to E-Flow in Current Norms | General on Loss due to E-Flow Release | General on Loss due to E-Flow Release | E-Flow Release due to E-Flow in Current Norms | General on Loss due to E-Flow Release | General on Loss due to E-Flow Release | E-Flow Release due to E-Flow in Current Norms | General on Loss due to E-Flow Release | General on Loss due to E-Flow Release | E-Flow Release due to E-Flow in Current Norms | General on Loss due to E-Flow Release | General on Loss due to E-Flow Release | E-Flow Release due to E-Flow in Current Norms | General on Loss due to E-Flow Release | General on Loss due to E-Flow Release | E-Flow Release due to E-Flow in Current Norms | General on Loss due to E-Flow Release | General on Loss due to E-Flow Release | E-Flow Release due to E-Flow in Current Norms | General on Loss due to E-Flow Release | General on Loss due to E-Flow Release | E-Flow Release due to E-Flow in Current Norms | General on Loss due to E-Flow Release | General on Loss due to E-Flow Release | E-Flow Release due to E-Flow in Current Norms | General on Loss due to E-Flow Release | General on Loss due to E-Flow Release | E-Flow Release due to E-Flow in Current Norms | General on Loss due to E-Flow Release | General on Loss due to E-Flow Release | E-Flow Release due to E-Flow in Current Norms | General on Loss due to E-Flow Release | General on Loss due to E-Flow Release |        |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |       |      |       |     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| Chitra   | 72.46   | 10.87                                 | 7.83                                  | 72.46   | 10.87                                 | 7.83                                  | 72.46   | 10.87                                 | 7.83                                  | 72.46   | 10.87                                 | 7.83                                  | 72.46   | 10.87                                 | 7.83                                  | 72.46   | 10.87                                 | 7.83                                  | 72.46   | 10.87                                 | 7.83                                  | 72.46   | 10.87                                 | 7.83                                  | 72.46   | 10.87                                 | 7.83                                  | 72.46   | 10.87                                 | 7.83                                  | 72.46   | 10.87                                 | 7.83                                  | 72.46  | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 | 72.46 | 10.87 | 7.83 |

Remark: Assuming Generation loss at Khodri Power House as 44% of Chibro Power House.

The e-flow for Bhagirathi and Ganga River (MB-I, MB-II and Chilla) is 20%, 25% and 30% respectively for dry, lean and monsoon period whereas e-flow is 15% for other Power Houses throughout the year.

It is hereby confirmed that in the calculation of generation loss due to e-flow no other losses have been included. There is no over tapping of generation loss.

*Signature*  
DSM(Tech)

*Signature*  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

Regulatory Generation Loss due to E-Flow Release by LINN Ltd as per NGT order dated 09.08.2017 and NMCG order dated 10.10.2019 and 14.09.2019 for F.Y. 2024-25

[illegible]

Remark: Asuming Generation loss at Khodri Power House as 44% of Chibro Power House.

The e-flow for Bhagirathi and Ganga River (MB-I, MB-II and Chilla) is 20%, 25% and 30% respectively for dry, lean and monsoon period whereas e-flow is 15% for other Power Houses throughout the year.

Tentative Generation Loss due to E-flow for the Year 2024-25 is calculated on the basis of Loss in the Year 2023-24

DimTech  
Nov-14

(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

# **Annexure-5**

**(Income Tax Reimbursement Claim for  
True Up)**



**STATEMENT SHOWING CALCULATION OF INCOME TAX RECOVERABLE FROM UPCL & HPSEB**

FINANCIAL YEAR

2022-23

TOTAL AMOUNT OF TAX TO BE RECOVERED\*

19,43,39,993

**DISTRIBUTION OF TAX AMOUNT BETWEEN ALL POWER HOUSES OF THE NIGAM**

| Name of Plant | Energy Charge         | capacity Charge       | Short fall          | Total Revenue<br>(EC, CC &) | % Share of<br>Revenue | Income Tax as per<br>% share | Share of UPCL       | Share of HPSEB     |
|---------------|-----------------------|-----------------------|---------------------|-----------------------------|-----------------------|------------------------------|---------------------|--------------------|
| CHIBRO        | 54,12,74,480          | 49,35,45,703          | -                   | 1,03,48,20,183              | 9.81%                 | 1,90,66,305                  | 1,42,99,729         | 47,66,576          |
| KHODRI        | 31,46,33,931          | 28,96,32,718          | -                   | 60,42,66,649                | 5.73%                 | 1,11,33,463                  | 83,50,097           | 27,83,366          |
| DHAKRANI      | 13,56,23,762          | 14,27,01,021          | 47,06,643           | 28,30,31,426                | 2.68%                 | 52,14,784                    | 39,11,088           | 13,03,696          |
| DHALIPUR      | 17,48,06,177          | 17,07,22,041          | 24,66,362           | 34,79,94,580                | 3.30%                 | 64,11,714                    | 48,08,785           | 16,02,928          |
| KULHAL        | 13,62,50,001          | 16,05,66,212          | 1,63,72,147         | 31,31,88,360                | 2.97%                 | 57,70,418                    | 46,16,334           | 11,54,084          |
| MB-I          | 32,01,51,369          | 34,97,54,702          | 2,40,00,000         | 69,39,06,071                | 6.58%                 | 1,27,85,047                  | 1,27,85,047         | -                  |
| CHILLA        | 42,70,12,339          | 35,86,14,648          | -                   | 78,56,26,987                | 7.45%                 | 1,44,74,982                  | 1,44,74,982         | -                  |
| RAMGANGA      | 27,79,05,335          | 37,74,53,586          | 3,74,85,859         | 69,28,44,780                | 6.57%                 | 1,27,65,493                  | 1,27,65,493         | -                  |
| KHATIMA       | 21,34,06,692          | 19,88,44,441          | 1,79,79,800         | 43,02,30,933                | 4.08%                 | 79,26,898                    | 79,26,898           | -                  |
| MB-II         | 1,07,14,49,997        | 1,07,14,50,000        | -                   | 2,14,28,99,997              | 20.32%                | 3,94,82,400                  | 3,94,82,400         | -                  |
| Vyasi         | 2,65,57,82,000        | -                     | -                   | 2,65,57,82,000              | 25.18%                | 4,89,32,123                  | 4,89,32,123         | -                  |
| M.PUR         | 10,35,03,850          | -                     | -                   | 10,35,03,850                | 0.98%                 | 19,07,033                    | -                   | -                  |
| PATHRI        | 17,73,50,617          | -                     | -                   | 17,73,50,617                | 1.68%                 | 32,67,641                    | -                   | -                  |
| GALOGI        | 98,35,625             | -                     | -                   | 98,35,625                   | 0.09%                 | 1,81,219                     | -                   | -                  |
| URGAM         | 2,23,73,107           | -                     | -                   | 2,23,73,107                 | 0.21%                 | 4,12,219                     | -                   | -                  |
| PILANGAD      | 3,01,63,782           | -                     | -                   | 3,01,63,782                 | 0.29%                 | 5,55,760                     | -                   | -                  |
| DUNAO         | 3,78,76,478           | -                     | -                   | 3,78,76,478                 | 0.36%                 | 6,97,865                     | -                   | -                  |
| Kaliganga-I   | 6,76,68,926           | -                     | -                   | 6,76,68,926                 | 0.64%                 | 12,46,783                    | -                   | -                  |
| Kaliganga-II  | 11,44,03,036          | -                     | -                   | 11,44,03,036                | 1.08%                 | 21,07,848                    | -                   | -                  |
| <b>Total</b>  | <b>6,83,14,71,502</b> | <b>3,61,32,85,072</b> | <b>10,30,10,811</b> | <b>10,54,77,67,385</b>      | <b>100%</b>           | <b>19,43,39,993</b>          | <b>17,23,52,976</b> | <b>1,16,10,650</b> |

Note: 1). For Chibro, Khodri, Dhakrani, Dhalipur the share of UPCL is 75% and that of HPSEB is 25%.

2). For Kulhal share of UPCL is 80 % and that of HPSEB is 20%

3). For rest of the plant share of UPCL is 100%

Note: The bifurcation of tax recoverable from UPCL & HPSEB is done on the basis of Sale of Hydro energy to UPCL & HPSEB which includes Energy Charge, Capacity Charge and Shortfall

*(Signature)*  
Dy. CAO - CH

*(Signature)*  
Dy. CAO - CH

Tax to be recoverable from UPCL and HPSEB

| Particulars                           | Amount<br>FY 2022-23 |
|---------------------------------------|----------------------|
| Tax Payable as per ITR                | 20,54,94,985         |
|                                       |                      |
| Sale UPCL & HPSEB                     | 9,83,12,57,175       |
| sale Other                            | 26,38,12,352         |
| Other Income                          | 30,04,95,583         |
| Total                                 | 10,39,55,65,109      |
|                                       |                      |
|                                       |                      |
|                                       |                      |
| Tax to be recovered from UPCL & HPSEB | 19,43,39,993         |

  
S.A.O.-C.A.O.

  
Dy. C.A.O.-C.A.O.

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVNL Limited

**INDIAN INCOME TAX RETURN ACKNOWLEDGEMENT**

[Where the data of the Return of Income in Form ITR-1(SHAJ), ITR-2, ITR-3, ITR-4(SUGAM), ITR-5, ITR-6, ITR-7  
filed and verified]  
(Please see Rule 12 of the Income-tax Rules, 1962)

Assessment  
Year  
2023-24

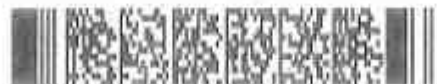
PAN AAACU6672R  
Name UJVN LTD  
Address UJJWAL , GMS ROAD , DEHRADUN , 34-Uttarakhand, 91-INDIA, 248001  
Status 6-Public company Form Number ITR-6  
Filed u/s 139(1)-On or before due date e-Filing Acknowledgement Number 470390731301023

|                                |   |    |                 |
|--------------------------------|---|----|-----------------|
| Taxable Income and Tax Details | Current Year business loss, if any                | 1  | 86,11,11,837    |
|                                | Total Income                                      | 2  | 0               |
|                                | Book Profit under MAT, where applicable           | 3  | 1,17,61,38,877  |
|                                | Adjusted Total Income under AMT, where applicable | 4  | 0               |
|                                | Net tax payable                                   | 5  | 20,54,94,985    |
|                                | Interest and Fee Payable                          | 6  | 0               |
|                                | Total tax, Interest and Fee payable               | 7  | 20,54,94,985    |
|                                | Taxes Paid  | 8  | 24,39,65,245    |
| Accreted Income and Tax Detail | (+) Tax Payable /(-) Refundable (7-8)             | 9  | (-) 3,84,70,260 |
|                                | Accreted Income as per section 115TD              | 10 | 0               |
|                                | Additional Tax payable u/s 115TD                  | 11 | 0               |
|                                | Interest payable u/s 115TE                        | 12 | 0               |
|                                | Additional Tax and interest payable               | 13 | 0               |
|                                | Tax and interest paid                             | 14 | 0               |
|                                | (+) Tax Payable /(-) Refundable (13-14)           | 15 | 0               |

This return has been digitally signed by SUDHAKAR BADONI in the capacity of  
Director having PAN ACDPB8274G from IP address 49.36.220.227 on 30-  
Oct-2023 16:40:17 at DEHRADUN (Place) DSC St.No & Issuer 4386725 &  
57232461821817CN=Verasys Sub CA 2022,OU=Certifying Authority,O=Verasys Technologies Pvt Ltd.,C=IN

System Generated

Barcode/QR Code



AAACU6672R06470390731301023b85935804c9c74fb168349a299cd3af77c430f0

DO NOT SEND THIS ACKNOWLEDGEMENT TO CPC, BENGALURU

(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited





# INCOME TAX DEPARTMENT

## Challan Receipt



e-Filing Anywhere Anytime  
Income Tax Department, Government of India

ITNS No. : 280

|                       |   |  |
|-----------------------|---|--|
| PAN                   | : | AAACU6672R                             |
| Name                  | : | UJVN LIMITED                           |
| Assessment Year       | : | 2023-24                                |
| Financial Year        | : | 2022-23                                |
| Major Head            | : | Corporation Tax (0020)                 |
| Minor Head            | : | Advance Tax (100)                      |
| Amount (In Rs.)       | : | ₹ 1,58,00,000                          |
| Amount (in words)     | : | Rupees One Crore Fifty Eight Lakh Only |
| CIN                   | : | 23031500321768PUNB                     |
| Mode of Payment       | : | Net Banking                            |
| Bank Name             | : | Punjab National Bank                   |
| Bank Reference Number | : | 5111631401                             |
| Date of Deposit       | : | 15-Mar-2023                            |
| BSR code              | : | 0300232                                |
| Challan No            | : | 12247                                  |
| Tender Date           | : | 15/03/2023                             |



### Thanks for being a committed taxpayer!

To express gratitude towards committed taxpayers, the Income Tax Department has started a unique appreciation initiative. It recognises taxpayers' commitment by awarding certificates of appreciation to them. Login to e-filing portal and visit Appreciations and Rewards to know more.

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(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited





# INCOME TAX DEPARTMENT

## Challan Receipt



e-Filing  
Income Tax Department, Government of India

ITNS No. : 280

|                       |   |                        |
|-----------------------|---|------------------------|
| PAN                   | : | AAACU6672R             |
| Name                  | : | UJVN LIMITED           |
| Assessment Year       | : | 2023-24                |
| Financial Year        | : | 2022-23                |
| Major Head            | : | Corporation Tax (0020) |
| Minor Head            | : | Advance Tax (100)      |
| Amount (in Rs.)       | : | ₹ 10,00,00,000         |
| Amount (in words)     | : | Rupees Ten Crore Only  |
| CIN                   | : | 22121500170477PUNB     |
| Mode of Payment       | : | Net Banking            |
| Bank Name             | : | Punjab National Bank   |
| Bank Reference Number | : | 5102877432             |
| Date of Deposit       | : | 15-Dec-2022            |
| BSR code              | : | 0300232                |
| Challan No            | : | 11144                  |
| Tender Date           | : | 15/12/2022             |



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(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited



# INCOME TAX DEPARTMENT

## Challan Receipt



ITNS No. : 280

|                       |  |
|-----------------------|--|
| PAN                   | : AAACU6672R                           |
| Name                  | : UJVN LIMITED                         |
| Assessment Year       | : 2023-24                              |
| Financial Year        | : 2022-23                              |
| Major Head            | : Corporation Tax (0020)               |
| Minor Head            | : Advance Tax (100)                    |
| Amount (in Rs.)       | : ₹ 1,56,00,000                        |
| Amount (in words)     | : Rupees One Crore Fifty Six Lakh Only |
| CIN                   | : 22121500172103PUNB                   |
| Mode of Payment       | : Net Banking                          |
| Bank Name             | : Punjab National Bank                 |
| Bank Reference Number | : 5102878229                           |
| Date of Deposit       | : 15-Dec-2022                          |
| BSR code              | : 0300232                              |
| Challan No            | : 11270                                |
| Tender Date           | : 15/12/2022                           |



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(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited

ਪੰਜਾਬ ਨੈਸ਼ਨਲ ਬੈਂਕ  
...भरोसे का प्रतीक !



punjab national bank  
...the name you can BANK upon!

**Punjab National Bank**  
**Chanakyapuri, New Delhi**  
**Cyber Receipt for Payment of Direct Tax**  
**(TaxPayers Counterfoil)**

**PAN** : AAACU6672R

**CIN** : BSR Code Date Of Receipt Challan Sr. No.  
: 0302275 15092022 05650

**NAME** : UJVX XXXITED

**Internet Banking Txn No.** : 5094359529

**Amount Deposited:**

(i) Basic tax : (Rs.) 66500000

(ii) Surcharge : (Rs.) 0

(iii) Education Cess : (Rs.) 0

(iv) Penalty : (Rs.) 0

(v) Interest : (Rs.) 0

(vi) Others : (Rs.) 0

(vii) Fee234E : (Rs.) 0

(viii) Fee : (Rs.) 0

**Total Amount deposited** : (Rs.) 66500000

**Amount in Words** : (Rupees) Six Crore Sixty Five Lakh Only

**Major Head** : 0020

**Assesment Year** : 2023-24

**Minor Head** : 100

**Nature of Payment** :

**Note:-**

Please Contact New Delhi, Focal Branch 011-23324711, 23318559, 23324484 (fax)

Get Duplicate Cyber Receipt from <https://gateway.netpnbn.com>

CAUTION: You are requested to monitor your account for next 5 days, for any reason if money is refunded/Not debited to/from your account, fresh payment would be required.

PRINT

Go To Home

  
(Suresh Chandra Baluni)  
Director (Project)  
UJVN Limited



**पंजाब नैशनल बैंक**  
...सरोसे का प्रतीक !



**punjab national bank**  
...the name you can BANK upon !

**Punjab National Bank  
Chanakyapuri, New Delhi  
Cyber Receipt for Payment of Direct Tax  
(TaxPayers Counterfoil)**

|                                 |  |                 |                 |
|---------------------------------|--|-----------------|-----------------|
| <b>PAN</b>                      | : AAACU6672R                               |                 |                 |
| <b>CIN</b>                      | : BSR Code                                 | Date Of Receipt | Challan Sr. No. |
|                                 | : 0302275                                  | 15062022        | 06556           |
| <b>NAME</b>                     | : UJVN XXXITED                             |                 |                 |
| <b>Internet Banking Txn No.</b> | : 5086453717                               |                 |                 |
| <b>Amount Deposited:</b>        |  |                 |                 |
| (i) Basic tax                   | : (Rs.) 34100000                           |                 |                 |
| (ii) Surcharge                  | : (Rs.) 0                                  |                 |                 |
| (iii) Education Cess            | : (Rs.) 0                                  |                 |                 |
| (iv) Penalty                    | : (Rs.) 0                                  |                 |                 |
| (v) Interest                    | : (Rs.) 0                                  |                 |                 |
| (vi) Others                     | : (Rs.) 0                                  |                 |                 |
| (vii) Fee234E                   | : (Rs.) 0                                  |                 |                 |
| (viii) Fee                      | : (Rs.) 0                                  |                 |                 |
| <b>Total Amount deposited</b>   | : (Rs.) 34100000                           |                 |                 |
| <b>Amount in Words</b>          | : (Rupees) Three Crore Forty One Lakh Only |                 |                 |
| <b>Major Head</b>               | : 0020                                     |                 |                 |
| <b>Assesment Year</b>           | : 2023-24                                  |                 |                 |
| <b>Minor Head</b>               | : 100                                      |                 |                 |
| <b>Nature of Payment</b>        | :  |                 |                 |

  
(Suresh Chandra Bolani)  
Director (Project)  
UJVN Limited

**Note:-**

Please Contact New Delhi, Focal Branch 011-23324711, 23318559, 23324484 (fax)

Get Duplicate Cyber Receipt from <https://gateway.netpnbank.com>

CAUTION: You are requested to monitor your account for next 5 days, for any reason if



|    |  |     |              |
|----|--|-----|--------------|
| a  | Advance Tax (from column 5 of 15A /Schedule IT )   | 10a | 23,20,00,000 |
| b  | TDS(total of column 9 of 15B/schedule TD5 1 & 2)   | 10b | 1,19,16,676  |
| c  | TCS (total of column 7(i) of 15C schedule TCS )  | 10c | 48,569       |
| d  | Self Assessment Tax (from column 5 of 15A/Schedule IT )  | 10d | 0            |
| e  | Total Taxes Paid (10a+10b+10c+10d)   | 10e | 24,39,65,245 |
| 11 | Amount payable (9 - 10e) (Enter if 9 is greater than 10e, else enter 0)  | 11  | 0            |
| 12 | Refund (if 10e is greater than 9),(refund, if any, will be directly credited into the bank account)              | 12  | 3,84,70,260  |
| 13 | Do you have a bank account in India (Non- Residents claiming refund with no bank account in India may select No) | Yes |              |

a Details of all Bank Accounts held in India at any time during the previous year (excluding dormant accounts)

| Sl. No. | IFS Code of the bank in case of bank accounts held in India | Name of the Bank     | Account Number    | Indicate the account in which you prefer to get your refund credited (tick accounts <input type="checkbox"/> for refund ) |
|---------|---|----------------------|-------------------|---|
| (1)     | (2)   | (3)                  | (4)               | (5)   |
| 1       | PUNB0063900   | Punjab National Bank | 0639005700000015  | <input type="checkbox"/>  |
| 2       | PUNB0107200   | Punjab National Bank | 1072002105502157  | <input type="checkbox"/>  |
| 3       | PUNB0396800   | Punjab National Bank | 3968002100009316  | <input type="checkbox"/>  |
| 4       | PUNB0396800   | Punjab National Bank | 3968002100011102  | <input type="checkbox"/>  |
| 5       | PUNB0063900   | Punjab National Bank | 0639002100001291  | <input type="checkbox"/>  |
| 6       | PUNB0063900   | Punjab National Bank | 0639002100001307  | <input type="checkbox"/>  |
| 7       | PUNB0396800   | Punjab National Bank | 3968002100011087  | <input type="checkbox"/>  |
| 8       | PUNB0396800   | Punjab National Bank | 3968002100015065  | <input type="checkbox"/>  |
| 9       | PUNB0107200   | Punjab National Bank | 1072002105502148  | <input type="checkbox"/>  |
| 10      | PUNB0063900   | Punjab National Bank | 0639002100001255  | <input type="checkbox"/>  |
| 11      | PUNB0088100   | Punjab National Bank | 0881002100008826  | <input type="checkbox"/>  |
| 12      | PUNB0641000   | Punjab National Bank | 0881002110000046  | <input type="checkbox"/>  |
| 13      | PUNB0396800   | Punjab National Bank | 39680021000163308 | <input type="checkbox"/>  |
| 14      | PUNB0063900   | Punjab National Bank | 0639002100001246  | <input type="checkbox"/>  |
| 15      | PUNB0018900   | Punjab National Bank | 0189002105502411  | <input type="checkbox"/>  |
| 16      | PUNB0011100   | Punjab National Bank | 0111002100111711  | <input type="checkbox"/>  |
| 17      | PUNB0396800   | Punjab National Bank | 3968002100016338  | <input type="checkbox"/>  |
| 18      | HDFC0004433   | HDFC                 | 50100229017951    | <input type="checkbox"/>  |
| 19      | ALLA0212835   | Allahabad Bank       | 50482304870       | <input type="checkbox"/>  |
| 20      | HDFC0009657   | HDFC                 | 50100485981104    | <input type="checkbox"/>  |
| 21      | PUNB0088100   | Punjab National Bank | 0881002100008817  | <input type="checkbox"/>  |
| 22      | SBIN0000591   | State Bank of India  | 34866429589       | <input type="checkbox"/>  |

(Suresh Chandra Baluni)  
Director (Project)  
UJVH Limited

# **Annexure-6**

**(The tentative calculation of the impact of  
water tax for FY 2024-25 on UJVN Ltd.)**

Tentative Impact on account of Water Tax in compliance to GoU Order No. 2883/II-2015/01(50)/2011 dated 07/11/2015  
In reference of Water Tax Act 2012 (Act. No. 9 of 2013)

| S.No. | Plant                            | Head (m) | Discharge required for full load (Cumecs) | Full Load (MW) | Discharge (Cumecs) required for 1 MW | Discharge (Cubic Meter) required for 1 MWh | Water Tax Rs./Cubic Meter as per Water Tax Registration | Water Tax (Rs./ kWh) | For one Financial Year Based on Approved Design Energy |  |                                  | Projection for Financial Year |   |  |
|-------|----------------------------------|----------|---|----------------|--------------------------------------|--|---|----------------------|--|--|----------------------------------|-------------------------------|---|--|
|       |                                  |          |   |                |                                      |  |   |                      | Design Energy Generation (MU) approved by UERC         | Total Water Tax (Rs. Cr.) for design energy generation | Projected Energy Generation (MU) | Total Water Tax (Rs. Cr.)     | Projected Amount of Water Tax in F.Y 2024-25 for Uttarakhand Share only (Rs. Cr.) |  |
|       |                                  |          |   |                |                                      |  |   |                      |  |  |                                  |                               |   |  |
| 1     | DHAKRANI                         | 19.8     | 199.2                                     | 33.76          | 5.90                                 | 21249.00                                   | 0.02  | 0.42                 | 150.65   | 6.41   | 125.00                           | 5.31                          | 3.98  |  |
| 2     | DHALIPUR                         | 30.48    | 199.2                                     | 51             | 3.91                                 | 14061.15                                   | 0.05  | 0.70                 | 182.76   | 12.85  | 224.00                           | 15.75                         | 11.81   |  |
| 3     | CHIBRO                           | 110      | 205                                       | 185            | 1.08                                 | 3891.89                                    | 0.1   | 0.39                 | 725.11   | 28.34  | 850.00                           | 33.08                         | 24.81   |  |
| 4     | KHOORI                           | 57.9     | 200                                       | 80             | 2.50                                 | 9000.00                                    | 0.07  | 0.63                 | 335.37   | 21.13  | 410.00                           | 25.63                         | 19.37   |  |
| 5     | KULHAL                           | 18       | 193                                       | 30             | 6.80                                 | 23750.00                                   | 0.02  | 0.48                 | 148.91   | 7.08   | 147.00                           | 6.99                          | 6.59  |  |
| 6     | RAMGANGA                         | 94.4     | 265                                       | 198            | 1.44                                 | 5181.82                                    | 0.1   | 0.52                 | 311.00   | 16.12  | 301.00                           | 15.60                         | 15.50   |  |
| 7     | CHILLA                           | 32.5     | 595                                       | 144            | 3.92                                 | 14125.00                                   | 0.05  | 0.71                 | 557.82   | 39.38  | 883.00                           | 46.82                         | 40.82   |  |
| 8     | TILOTH                           | 147.5    | 71.4                                      | 50             | 0.79                                 | 2858.00                                    | 0.1   | 0.29                 | 478.00   | 13.85  | 435.00                           | 12.42                         | 12.42   |  |
| 9     | KHATIMA                          | 17.68    | 259                                       | 41.4           | 8.50                                 | 23391.30                                   | 0.02  | 0.47                 | 235.59   | 11.02  | 210.00                           | 9.82                          | 9.82  |  |
| 10    | MB-II                            | 247.8    | 142                                       | 304            | 0.47                                 | 1661.58                                    | 0.1   | 0.17                 | 1281.00  | 21.71  | 1310.00                          | 22.03                         | 22.03   |  |
| A     | Sub Total (10 LHP's)             |          |   |                |                                      |  |   |                      | 4419.21  | 177.68   | 4675.00                          | 193.66                        | 172.27  |  |
| 11    | VYASI                            | 111      | 119.78                                    | 120            | 1.00                                 | 3593.40                                    | 0.1   | 0.36                 | 363.00   | 12.68  | 353.00                           | 12.68                         | 12.68   |  |
| B     | Sub Total (11 LHP's)             |          |   |                |                                      |  |   |                      | 4772.21  | 190.37   | 5028.00                          | 206.34                        | 184.95  |  |
| 12    | Pathri                           | 9.75     | 253                                       | 20.4           | 12.40                                | 44847.08                                   | 0.02  | 0.89                 | 155.80   | 13.89  | 112.76                           | 10.07                         | 10.07   |  |
| 13    | Mohd pur                         | 5.7      | 255                                       | 9.3            | 27.42                                | 98709.58                                   | 0.02  | 1.97                 | 84.92  | 12.82  | 51.31                            | 10.13                         | 10.13   |  |
| C     | Sub-Total (Pathri & Mohammadpur) |          |   |                |                                      |  |   |                      | 220.52   | 26.71  | 164.08                           | 20.20                         | 20.20   |  |
| D     | Total (UJVNL)                    |          |   |                |                                      |  |   |                      | 4992.73  | 217.08   | 6192.08                          | 226.54                        | 205.15  |  |

(Suresh Chandra Baluni)  
Director (Project)  
UJVNL Limited