MEGHALAYA STATE ELECTRICITY REGULATORY COMMISSION SHILLONG

Front Block Left Wing, 1st Floor, New Administrative Building,
Lower, Lachumiere, Shillong, Meghalaya 793001

Order on Case No. 8 of 2026

Petition filed by MePGCL for Approval of the Business Plan for the Fifth Control Period (FY 2027-28 to FY 2031-32)

Coram

Shri. Chandan Kumar Mondol, Chairman

Petitioner:

Meghalaya Power Generation Corporation Ltd. (MePGCL)
Lum Jingshai, Short Round Road,
Shillong – 793 001

Order
(Dated: 6th November 2026)

The Government of Meghalaya has notified the Power Sector Reforms Transfer Scheme 2010, leading to restructuring, and unbundling of erstwhile Meghalaya State Electricity Board (MeSEB) into four entities. Accordingly, Meghalaya Power Generation Corporation Limited (MePGCL) has started functioning as a segregated commercial operation utility independently for power generation in the State of Meghalaya with effect from 01.04.2013.

The Meghalaya State Electricity Regulatory Commission (MSERC) has notified the MSERC (Multi Year Tariff) (5 of 2026) Regulations 2026, hereby referred to as MSERC Tariff Regulation, 2026 on 31st July 2026. This Regulation is applicable for the Fifth Control Period from 1st April 2027 to 31st March 2032.

Regulation 2.1.2(a) of the MSERC Tariff Regulation, 2026 stipulates as follows:

"A detailed Business Plan based on the principles specified in these Regulations, for each year of the Control Period, shall be submitted by the applicant for the Commission's approval prior to the beginning of the Control Period:"

Further, Regulation 2.5.2 of the MSERC Tariff Regulation, 2026 specifies the scope of the Business Plan for a Generating Company as follows:

"The Business Plan for the Generating Company shall be for the entire Control Period and shall, interalia contain:

(a) Capital investment plan shall include details of the investments planned by the Generating Company for existing stations along with its cost benefit analysis, yearly phasing of capital expenditure along with the source of funding, financing plan and corresponding capitalisation schedule. This plan shall be commensurate with R&M schemes and proposed efficiency improvements for various plants of the company;

(b) The capital investment plan shall show separately, on-going projects that will spill over the entire Control Period, and new projects (along with justification) that will commence in the Control Period but may be completed within or beyond the Control Period;

(c) The Generating Company shall submit plant-wise details of the capital structure and cost of financing (interest on debt and return on equity), after considering the existing market conditions, terms of the existing loan agreements, risks associated in generation business and creditworthiness;

(d) Details related to major shut down of machines, if any;

(e) Trajectory of performance parameters;

……."

The Petitioner herein being MePGCL, has filed a Petition seeking approval of its Business Plan for the Generation Business for the Fifth Control Period, FY 2027-28 to FY 2031-32, in accordance with the provisions of the MSERC Tariff Regulation, 2026.

The Petition was registered as under:

- MSERC Case No. 8 of 2026: Petition for Approval of Business Plan for Generation Business for the Fifth Control Period, FY 2027-28 to FY 2031-32.

The Commission has examined the submissions made by MePGCL, along with the relevant information and supporting documents, in accordance with the applicable provisions of the Tariff Regulations, 2026. The Commission's analysis and decisions on the Business Plan, including the proposed capital investment plan, financing plan, capitalisation schedule and performance parameters, are set out in the subsequent sections of this Order.

This Order shall come into effect in accordance with the applicable provisions of the MSERC Tariff Regulation, 2026 and shall remain applicable for the Fifth Control Period, FY 2027-28 to FY 2031-32, subject to the provisions of the said Regulations and further orders of the Commission.

Sd/-
Chandan Kumar Mondol
Chairman

Table of Contents

1. Background and Brief History 5
1.1. Introduction 5
1.2. Facts about this Case 5
1.3. Business Plan of MePGCL for the Control Period FY 2027-28 to FY 2031-32 6
1.4. Upcoming Projects 7
1.5. Plant Availability Factor (PAF) 8
1.6. Auxiliary Energy Consumption (%) 10
1.7. Annual Generation 11
2. Capital Investment Plan for MePGCL 14
2.1. Details of Works for Umiam Stage I 14
2.2. Details of Works for Umiam Stage II 19
2.3. Details of Works for Umiam Stage III 22
2.4. Details of Works for Umiam Stage IV 25
2.5. Details of Works for MLHEP 28
2.6. Details of Works for NUHEP 37
2.7. Details of Works for Lakroh 41
2.8. Details of Works for Sonapani 46
3. Approved Capital Expenditure and Capitalization for control period FY 2028-29 to FY 2031-32 50
4. Applicability of the Order 60

List of Tables

Table 1: Installed Capacity of MePGCL as on 01.04.2027 6
Table 2: Summary of Upcoming Generation Projects 8
Table 3: Plant Availability factor (PAF%) for 5th Control period as Projected 9
Table 4: Plant Availability factor (PAF%) for 5th Control period as Approved 9
Table 5: Auxiliary Energy Consumption (%) as projected 10
Table 6: Auxiliary Energy Consumption (%) as Approved 11
Table 7: Annual Generation as claimed by MePGCL 11
Table 8: Annual Generation as Approved by the Commission 13
Table 9: Description of work for Umiam Stage I 14
Table 10: Proposed Capital Expenditure for Umiam Stage I 15
Table 11: Proposed Capitalisation for Umiam Stage I 16
Table 12: Approved Capital Expenditure for Umiam Stage I 18
Table 13: Approved Capitalisation for Umiam Stage I 18
Table 14: Description of work for Umiam Stage II 19
Table 15: Proposed Capital Expenditure for Umiam Stage II 20
Table 16: Proposed Capitalisation for Umiam Stage II 20
Table 17: Approved Capital Expenditure for Umiam Stage II 21
Table 18: Approved Capitalisation for Umiam Stage II 22
Table 19: Description of work for Umiam Stage III 22
Table 20: Proposed Capital Expenditure for Umiam Stage III 23
Table 21: Proposed Capitalisation for Umiam Stage III 23
Table 22: Approved Capex for Umiam Stage III 24
Table 23: Approved Capitalisation for Umiam Stage III 25
Table 24: Description of work for Umiam Stage IV 25
Table 25: Proposed Capital Expenditure for Umiam Stage IV 26
Table 26: Proposed Capitalisation for Umiam Stage IV 26
Table 27: Approved Capital Expenditure for Umiam Stage IV 28
Table 28: Approved Capitalisation for Umiam Stage IV 28
Table 29: Description of work for MLHEP 29
Table 30: Proposed Capital Expenditure for MLHEP 30
Table 31: Proposed Capitalisation for MLHEP 32
Table 32: Approved Capital Expenditure for MLHEP 34
Table 33: Approved Capitalisation for MLHEP 36
Table 34: Description of work for NUHEP 38
Table 35: Proposed Capital Expenditure for NUHEP 38
Table 36: Proposed Capitalisation for NUHEP 39
Table 37: Approved Capital Expenditure for NUHEP 40
Table 38: Approved Capitalisation for NUHEP 40
Table 39: Description of work for Lakroh 41
Table 40: Proposed Capital Expenditure for Lakroh 42
Table 41: Proposed Capitalisation for Lakroh 43
Table 42: Approved Capital Expenditure for Lakroh 45
Table 43: Approved Capitalisation for Lakroh 45
Table 44: Proposed Capital Expenditure for Sonapani 47
Table 45: Proposed Capitalisation for Sonapani 47
Table 46: Approved Capital Expenditure for Sonapani 49
Table 47: Approved Capitalisation for Sonapani 49

1. Background and Brief History

1.1. Introduction

1.1.1. The power generation in the State of Meghalaya is carried out by Meghalaya Power Generation Corporation Limited (MePGCL), a wholly owned subsidiary of Meghalaya Energy Corporation Limited (MeECL).

1.1.2. The Power Supply Industry in the State of Meghalaya has been under the governance of erstwhile Meghalaya State Electricity board (MeSEB) since 21st January 1975. The Government of Meghalaya has notified the Power Sector Reforms Transfer Scheme 2010, leading to restructuring, and unbundling of erstwhile Meghalaya State Electricity Board (MeSEB) into four entities. After notification of amendment to the Power Sector Reforms Transfer Scheme by the State Government on 1st April 2012, the un-bundling of MeECL into MePDCL, MePGCL and MePTCL came into effect.

1.1.3. Accordingly, Meghalaya Power Generation Corporation Limited (MePGCL) (*hereinafter referred to as "the Petitioner"*) has started functioning as a segregated commercial operation and as a dedicated entity responsible for power generation in Meghalaya, effective from 1st April 2013.

1.1.1. The MSERC (*herein referred as "Commission"*) is an independent statutory body constituted under the provisions of the Electricity Regulatory Commissions (ERC) Act, 1998, which was superseded by Electricity Act (EA), 2003. The Commission is vested with the authority of regulating the power sector in the State inter alia including determination of tariff for electricity consumers.

1.2. Facts about this Case

1.2.1. The Petitioner vide letter dated 31st August 2026, had sought extension of time for submission of Business Plan for 15 (fifteen) days. Accordingly, the Commission vide letter dated 2nd September 2026, has considered the request for extension of time till 15th September 2026.

1.2.2. Subsequently, the Petitioner in compliance with Regulation 2.1 and Regulation 2.5 of the MSERC Tariff Regulation, has filed a Petition for Approval of Business Plan for the Fifth Control Period FY 2027-28 to FY 2031-32 dated 15th September 2026.

1.2.3. The Commission vide letter dated 17.09.2026 had admitted the Petition, directing MePGCL to publish their Petition in their website and issue Public Notice inviting comments/suggestions/objections from stakeholders and the same to be submitted, within fifteen (15) days from the date of publication

1.2.4. Accordingly, on 23.09.2026, the Petitioner had published the Petition in their website and issued Public Notice inviting comments/suggestions/ objections from stakeholders, the same of which were published in the local

dailies.

1.2.5. This Commission had sought 1st Additional information from MePGCL on its Petition for Approval of Business Plan for the Fifth Control Period FY 2027-28 to FY 2031-32, vide letter dated 01.10.2026.

1.2.6. The Petitioner submitted its response to 1st additional information sought by this Commission on 26.10.2026.

1.2.7. This Commission issued a Notice for Public Hearing on the aforementioned Petition, to be held on 27.10.2026.

1.2.8. On 27.10.2026, in compliance with regulatory procedures, a public hearing on the Petition for Approval of Business Plan for the Fifth Control Period FY 2027-28 to FY 2031-32 was conducted.

1.2.9. This Commission further sought 2nd Additional information from MePGCL on the Petition for Approval of Business Plan for the Fifth Control Period FY 2027-28 to FY 2031-32 vide email dated 29.10.2026.

1.2.10. The Petitioner has submitted its response to the 2nd additional information sought by this Commission on 04.11.2026.

1.3. Business Plan of MePGCL for the Control Period FY 2027-28 to FY 2031-32

Existing Generation stations

1.3.1. MePGCL is the state-owned power generating company of the state of Meghalaya, with an installed capacity of 373.50 MW as on date. All the generating station of MePGCL are Hydro generating stations.

1.3.2. The Installed Capacity of MePGCL is shown as under:

Table 1: Installed Capacity of MePGCL as on 01.04.2027

Sl. No.	Name of Station	No. of Units	Capacity (MW)	Total Capacity (MW)	Year of Commissioning
1	Umiam Stage I	I	9	36	21.02.1965
		II	9		16.03.1965
		III	9		06.09.1965
		IV	9		09.11.1965
2	Umiam Stage II	I	10	20	22.07.1970
		II	10		24.07.1970
3	Umiam-Umtru Stage III*	I	33	66	06.01.1979
		II	33		30.03.1979
4	Umiam-Umtru Stage IV	I	30	60	16.09.1992
		II	30		11.08.1992
5	Sonapani Mini Hydel	I	1.5	1.5	27.10.2009
6	MLHEP (Leshka)	I	42	126	01.04.2012
		II	42		01.04.2012
		III	42		01.04.2013
7	NUHEP (New Umtru)	I	20	40	01.07.2017
		II	20		01.07.2017
8	Lakroh MHP	I	1.5	1.5	01.03.2019

Sl. No.	Name of Station	No. of Units	Capacity (MW)	Total Capacity (MW)	Year of Commissioning
9	Ganol SHP	III	7.5	22.5	01.08.2023
	Total			**373.50**	

** RMU of Umiam Stage III was completed and date of commercial operation declared on 1st October 2026. The capacity has been uprated to 2 x 33 MW.*

1.4. Upcoming Projects

Petitioner Submission

Riangdo Small Hydro Power Project (6 MW)

1.4.1. The Petitioner submitted that the Riangdo Small Hydro Power Project was initially conceptualised for an installed capacity of 3 MW, for which the Government of Meghalaya accorded administrative approval at a completion cost of Rs. 39.97 crore in 2017. Subsequently, IIT Roorkee prepared a Detailed Project Report (DPR) for upgrading the project capacity from 3 MW to 6 MW, with an estimated completion cost of Rs. 68.32 crore. The Petitioner stated that the revised project cost works out to approximately Rs. 11.39 crore/MW, compared with Rs. 18.07 crore/MW for the original 3 MW project, and that the upgraded project is expected to have a design energy of approximately 28 MU per annum, providing an additional 9 MU annually.

1.4.2. The Petitioner further submitted that, following Cabinet approval, the Government of Meghalaya has approved the upgradation of the project to 6 MW at a cost of Rs. 68.32 crore. The project is presently under construction and is expected to be commissioned during FY 2028-29.

Sidiguri Small Hydro Power Project (13 MW)

1.4.3. The Petitioner submitted that the Sidiguri Small Hydro Power Project is proposed as a run-of-the-river scheme utilising the water resources of the Rongdi River in the West Khasi Hills district. The project is intended to augment power supply, address local energy requirements and improve grid connectivity and voltage conditions in the surrounding areas, including at the 132 kV Rongjeng Sub-station.

1.4.4. The Petitioner stated that survey and investigation activities are in progress and preparation of the DPR is being undertaken with IIT Roorkee. The project is proposed to be taken up for construction after completion of the DPR. The tentative project cost has been estimated at Rs. 156 crore for an installed capacity of 13 MW, based on a normative cost of Rs. 12 crore/MW.

Commission's Analysis

1.4.5. The Commission has examined the submissions made by MePGCL regarding the upcoming Riangdo Small Hydro Power Project proposed during the Fifth

Control Period and the Sidiguri Small Hydro Power Project.

1.4.6. The Commission notes that the Riangdo Small Hydro Power Project was previously approved with an installed capacity of 3 MW at an estimated project cost of Rs. 39.97 crore during the previous Control Period. However, the project has subsequently been proposed for upgradation to 6 MW, with a revised estimated project cost of Rs. 68.32 crore. The Commission further notes that the Sidiguri Small Hydro Power Project, with a proposed installed capacity of 13 MW and an estimated project cost of Rs. 156 crore is presently at the survey and investigation stage, with preparation of the Detailed Project Report (DPR) under progress.

1.4.7. The Commission observes that both projects fall under the Small Hydro Power category, for which tariff determination is governed by the Meghalaya State Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Generation from Renewable Energy Sources) Regulations, 2025, as amended from time to time, or such other regulations as may be applicable at the relevant point in time.

1.4.8. In view of the above, the Commission does not consider it appropriate to accord approval to the enhanced project cost of Rs. 28.35 crore for the Riangdo Small Hydro Power Project or the proposed capital expenditure of Rs. 156 crore for the Sidiguri Small Hydro Power Project under the present Business Plan proceedings. The Commission has already issued MSERC (Terms and Conditions for Determination of Tariff for Generation from Renewable Energy Sources) Regulation, 2025 as amended and the petitioner is directed to get the tariff approval from the Commission vide separate petition.

1.4.9. Accordingly, the Commission takes note of the upcoming generation projects proposed by MePGCL as given below:

Table 2: Summary of Upcoming Generation Projects

Sl. No.	Name of Project	Installed Capacity	Project Cost Proposed by MePGCL (Rs. Cr)	Tentative Commissioning
1	Riangdo Small Hydro Power Project	6 MW	68.32	FY 2028-29
2	Sidiguri Small Hydro Power Project	13 MW	156.00	Not specified

1.5. Plant Availability Factor (PAF)

Petitioner Submission

1.5.1. MePGCL has projected the Plant Availability Factor of its Generating Stations for the Control Period FY 2027-28 to FY 2031-32 as given below:

Table 3: Plant Availability factor (PAF%) for 5th Control period as Projected

Sl. No	Name of the Station	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Umiam Stage-I	59.93	59.93	59.93	59.93	59.93
2	Umiam Stage-II	85.00	85.00	85.00	85.00	85.00
3	Umiam Stage-III	63.67	63.67	63.67	63.67	63.67
4	Umiam Stage-IV	61.79	61.79	61.79	61.79	61.79
5	Sonapani	45.00	45.00	45.00	45.00	45.00
6	Myntdu Leshka	39.00	39.00	39.00	39.00	39.00
7	New Umtru	62.60	62.60	62.60	62.60	62.60
8	Lakroh	85.00	85.00	85.00	85.00	85.00
9	Ganol SHP	-	-	-	-	-
10	Riangdo (New)	-	-	-	-	-

Commission's Analysis

1.5.2. The Commission observes that the PAF values proposed by MePGCL for the existing generating stations are broadly in accordance with the station-wise norms specified under Regulation 4.23.1(e) of the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026. The Petitioner had initially projected a PAF of 59.93% for Umiam Stage-I against the normative value of 59.83%. In response to the clarification sought by the Commission in the First Additional Information Submission, the Petitioner admitted that the deviation was due to a clerical error and confirmed the normative PAF of 59.83%. Further, as the PAF projections for Riangdo SHP, expected to be commissioned during FY 2028-29, and Ganol SHP were not initially provided, the Commission sought clarification under additional information 2. In response, the Petitioner submitted the PAF projections for both stations in accordance with the applicable provisions of the aforesaid Regulations. Accordingly, for approval of the Business Plan for the Fifth Control Period, the Commission considers the station-wise NAPAF values in accordance with Regulation 4.23.1(e) of the MSERC Tariff Regulations, 2026. MePGCL is directed to report the actual PAF achieved by each generating station for FY 2027-28 to FY 2031-32 at the time of truing-up, in accordance with the applicable provisions of the aforesaid Regulations.

Table 4: Plant Availability factor (PAF%) for 5th Control period as Approved

Sl. No	Name of the Station	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Umiam Stage-I	59.83	59.83	59.83	59.83	59.83
2	Umiam Stage-II	85.00	85.00	85.00	85.00	85.00
3	Umiam Stage-III	63.67	63.67	63.67	63.67	63.67
4	Umiam Stage-IV	61.79	61.79	61.79	61.79	61.79
5	Sonapani	45.00	45.00	45.00	45.00	45.00
6	Myntdu Leshka	39.00	39.00	39.00	39.00	39.00
7	New Umtru	62.60	62.60	62.60	62.60	62.60
8	Lakroh	85.00	85.00	85.00	85.00	85.00

Sl. No	Name of the Station	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
9	Ganol SHP	45.00	45.00	45.00	45.00	45.00
10	Riangdo (New)	-	68.19	68.19	68.19	68.19

1.6. Auxiliary Energy Consumption (%)

Petitioner's Submission

1.6.1. MePGCL has projected the Auxiliary Consumption of its Generating Stations for the Control Period FY 2027-28 to FY 2031-32 as given below:

Table 5: Auxiliary Energy Consumption (%) as projected

Sl. No.	Name of the Station	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Umiam Stage–I	1.20	1.20	1.20	1.20	1.20
2	Umiam Stage– II	1.20	1.20	1.20	1.20	1.20
3	Umiam Stage– III	1.20	1.20	1.20	1.20	1.20
4	Umiam Stage– IV	1.50	1.50	1.50	1.50	1.50
5	Sonapani MHP	1.20	1.20	1.20	1.20	1.20
6	Myntdu Leshka	1.50	1.50	1.50	1.50	1.50
7	New Umtru	1.50	1.50	1.50	1.50	1.50
8	Lakroh MHP	1.50	1.50	1.50	1.50	1.50
9	Ganol SHP	-	-	-	-	-
10	Riangdo SHP	-	-	-	-	-

Commission's Analysis

1.6.2. The Commission observes that Regulation 4.23.2 of the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026 specifies the normative auxiliary energy consumption for hydro generating stations based on the type of station, its location and the excitation system. Upon examination, it is observed that the Petitioner has submitted actual auxiliary energy consumption for FY 2023-24 to FY 2025-26 and has projected auxiliary energy consumption for the Fifth Control Period based on the applicable normative values as per Regulation.

1.6.3. Accordingly, for the purpose of approval of the Business Plan for the Fifth Control Period, the Commission considers the auxiliary energy consumption in accordance with the norms stipulated under Regulation 4.23.2 of the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026. Since Ganol SHP and Riangdo SHP both fall under small hydro the Auxiliary Consumption will be governed as per MSERC (Terms and Conditions for Determination of Tariff for Generation from Renewable Energy Sources) Regulation, 2025 as amended. The Commission directs MePGCL to submit the actual auxiliary energy consumption for the respective financial years, i.e., FY 2027-28 to FY 2031-32, at the time of truing-up, in accordance with the applicable provisions of the aforesaid Regulations.

Table 6: Auxiliary Energy Consumption (%) as Approved

Sl. No	Name of the Station	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Umiam Stage-I	1.20	1.20	1.20	1.20	1.20
2	Umiam Stage-II	1.20	1.20	1.20	1.20	1.20
3	Umiam Stage-III	1.20	1.20	1.20	1.20	1.20
4	Umiam Stage-IV	1.50	1.50	1.50	1.50	1.50
5	Sonapani MHP	1.20	1.20	1.20	1.20	1.20
6	Myntdu Leshka HEP	1.50	1.50	1.50	1.50	1.50
7	New Umtru HEP	1.50	1.50	1.50	1.50	1.50
8	Lakroh MHP	1.50	1.50	1.50	1.50	1.50
9	Ganol SHP	1.00	1.00	1.00	1.00	1.00
10	Riangdo SHP	-	1.00	1.00	1.00	1.00

1.7. Annual Generation

Petitioner's Submission

1.7.1. The Petitioner has submitted that the generating stations of MePGCL are predominantly rain-fed and that generation depends on rainfall and water availability. The Petitioner has further submitted that, considering changes in rainfall patterns and flow availability, it has initiated a review of the design energy of its generating stations. However, the revised design energy is yet to be approved by the Central Water Commission (CWC) and the Central Electricity Authority (CEA). Accordingly, the Petitioner has projected generation based on the existing design energy for the Fifth Control Period.

Table 7: Annual Generation as claimed by MePGCL

Sl. No	Name of the Station	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Umiam Stage-I	116.00	116.00	116.00	116.00	116.00
2	Umiam Stage-II	46.00	46.00	46.00	46.00	46.00
3	Umiam Stage-III	152.90	152.90	152.90	152.90	152.90
4	Umiam Stage-IV	207.00	207.00	207.00	207.00	207.00
5	Sonapani MHP	5.00	5.00	5.00	5.00	5.00
6	Myntdu Leshka HEP	486.00	486.00	486.00	486.00	486.00
7	New Umtru HEP	235.00	235.00	235.00	235.00	235.00
8	Lakroh MHP	11.00	11.00	11.00	11.00	11.00
9	Ganol SHP	-	-	-	-	-
10	Riangdo SHP	-	-	-	-	-

Commission's Analysis

1.7.2. The Commission observes that the generation projections submitted by the Petitioner remain constant throughout the Control Period. The Petitioner has submitted that the existing Design Energy has been considered for projecting generation, as the revision of Design Energy is yet to be vetted by CEA. However, the station-wise details of the existing Design Energy were not initially submitted

along with the Petition and were subsequently furnished in response to the first additional information sought by the Commission.

1.7.3. The Commission further observes that the generation of Umiam-Umtru Stage-III HEP declined to 1.17 MU in FY 2025-26, as submitted by the Petitioner, due to the shutdown for RMU works. In response to the clarification sought by the Commission, the Petitioner submitted that the installed capacity of the plant was uprated from 60 MW to 66 MW. Accordingly, the Petitioner has projected annual generation of 152.90 MU, considering a 10% increase over the previously approved Design Energy of 139 MU. The Petitioner has further indicated a revised Design Energy of 175.25 MU, which is awaiting vetting by CEA.

1.7.4. The Petitioner has also furnished an official communication addressed to the Commission confirming that the 66 MW plant has been in operation since 1st October 2026. The Commission has taken note of the Petitioner's submission regarding the commissioning and operation of the uprated 66 MW plant with effect from 1st October 2026, as confirmed through the official communication furnished by the Petitioner. Accordingly, the Commission has considered the revised annual generation projection of 152.90 MU, as submitted by the Petitioner, in-principle for the Fifth Control Period. The corresponding revision in Design Energy and generation projection shall, however, remain subject to submission and verification of the requisite technical details, supporting documents and approval of the revised Design Energy by the competent authority. The actual generation and admissible parameters shall be examined by the Commission during the relevant tariff determination and truing-up proceedings in accordance with the applicable MSERC Regulations.

1.7.5. With regard to Riangdo Small Hydro Project (SHP), the Commission observes that the project, with the proposed enhanced capacity of 6 MW, is under construction and expected to be commissioned during FY 2028-29. However, no generation projections for the project were included in the generation projection table for the Fifth Control Period. In response to the second additional information sought by the Commission, the Petitioner clarified that the details of Riangdo SHP had been furnished in the Petition for information purposes only and that the project would be governed by the MSERC (Terms and Conditions of Tariff from Renewable Energy Generation) Regulations, 2025. Accordingly, the Petitioner submitted that the generation and tariff of the project would be dealt with separately under the said Regulations and, therefore, no generation had been included in the instant Business Plan, which covers projects governed by the MSERC (Multi Year Tariff) Regulations, 2026.

1.7.6. The Commission has considered the Petitioner's submission regarding the applicability of the MSERC (Terms and Conditions of Tariff from Renewable Energy Generation) Regulations, 2025 to Riangdo SHP. However, for the limited purpose of assessing the overall generation projections in the Business Plan for the Fifth Control Period, the Commission allows the generation projections for Riangdo SHP based on the generation figures furnished by the Petitioner in paragraph 3.1 of its

submission. Such consideration is for Business Plan assessment only, and the actual generation, tariff and other applicable parameters shall be determined in accordance with the MSERC (Terms and Conditions of Tariff from Renewable Energy Generation) Regulations, 2025, subject to verification and approval by the Commission under the said Regulations.

1.7.7. Accordingly, for the purpose of the Business Plan for the Fifth Control Period, the Commission has considered in-principle the generation projection of 152.90 MU for Umiam-Umtru Stage-III HEP, taking into account the operation of the uprated 66 MW plant from 1st October 2026, subject to submission and verification of supporting documents and approval of the revised Design Energy by the competent authority during tariff determination and truing-up. Generation projections for the other existing stations have been considered in accordance with the approved generation in Tariff Order for FY 2026-27 and kept constant throughout the Control Period. The approved generation for fifth control period are as follows:

Table 8: Annual Generation Approved by the Commission

Sl. No	Name of the Station	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Umiam Stage-I	116.00	116.00	116.00	116.00	116.00
2	Umiam Stage-II	46.00	46.00	46.00	46.00	46.00
3	Umiam Stage-III	152.90	152.90	152.90	152.90	152.90
4	Umiam Stage-IV	207.00	207.00	207.00	207.00	207.00
5	Sonapani MHP	5.00	5.00	5.00	5.00	5.00
6	Myntdu Leshka HEP	486.00	486.00	486.00	486.00	486.00
7	New Umtru HEP	235.00	235.00	235.00	235.00	235.00
8	Lakroh MHP	11.00	11.00	11.00	11.00	11.00
9	Ganol SHP	88.70	88.70	88.70	88.70	88.70
10	Riangdo SHP	-	28.00	28.00	28.00	28.00

2. Capital Investment Plan for MePGCL

2.1. Details of Works for Umiam Stage I

Petitioner's Submission

2.1.1. The Petitioner has proposed various capital expenditure works during the Fifth Control Period for renovation, modernization, upgradation and replacement of ageing equipment at its generating stations. The petitioner has claimed that the proposed works are primarily aimed at improving the reliability, operational efficiency and safety of the generating stations. The major works proposed under the Business Plan are summarised below:

Table 9: Description of work for Umiam Stage I

Sl. No.	Project Name	Description / Scope and Justification	Total Amount in Cr.	Funding
1	Overhauling of Unit-III & Unit-IV	The generating units have been operating for almost 24 years without major overhauling. Healthiness assessment carried out by the OEM, M/s Toshiba India Pvt. Ltd., identified age-related deterioration, wear of critical components and performance degradation in Unit-III and Unit-IV. The proposed overhauling is intended to improve reliability, reduce forced outages and maintain generation performance.	15	Equity
2	Upgradation of AVR & Governor System for Umiam Unit-III & Unit-IV	The existing Digital AVR and Governor systems were installed during FY 2001-02 and have become obsolete, with the OEM having discontinued manufacture of critical cards and modules. Replacement/upgradation is proposed to improve operational reliability, voltage and frequency regulation, and reduce the risk of prolonged outages.	10	Equity

Sl. No.	Project Name	Description / Scope and Justification	Total Amount in Cr.	Funding
3	Overhauling of Unit-I & Unit-II along with Upgradation of AVR & Governor System	The generating units have been operating for almost 24 years without major overhauling and have shown signs of performance degradation and increased maintenance downtime. Further, the existing AVR and Governor systems have become obsolete and prone to malfunction. The proposed works are aimed at improving reliability, operational safety and generation performance of the station.	25	Equity
4	Installation of New SCADA System and Integration/Replacement of Field Elements	Umiam Stage-I is presently operated without a SCADA system, with key electrical and mechanical parameters monitored locally. The proposed SCADA system would provide centralized real-time monitoring and control, automated operation, alarm and fault management, improved data logging and reduced manual intervention. The scope includes integration of field elements for Unit-I & Unit-II and replacement of existing field elements of Unit-III & Unit-IV compatible with the SCADA system.	45	Grant

2.1.2. Projected capital expenditure and capitalisation for Umiam Stage I are as follows:

Table 10: Proposed Capital Expenditure for Umiam Stage I

S. No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Over hauling of Unit III & Unit IV (Umiam Stage I Power Station)	0	15	15	0	0	0	0
2	Upgradation of AVR & Governor System for Unit III & Unit IV (Umiam Stage I Power Station)	0	10	10	0	0	0	0
3	Over hauling of Unit, I & Unit II along with Upgradation of AVR & Governor System for Unit I & Unit II (Umiam Stage I Power Station)	0	25	0	25	0	0	0
4	Installation of Complete New SCADA System along with integration of field elements including control and protection system for Unit 1 and Unit 2	20	0	0	0	20	0	0

S. No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
5	Replacement of the existing field elements of Unit 3 and Unit 4 with compactable one for integration with SCADA system for Control and Protection system	25	0	0	0	0	25	0
Total				**25**	**25**	**20**	**25**	**0**

Table 11: Proposed Capitalisation for Umiam Stage I

S No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Over hauling of Unit III & Unit IV (Umiam Stage I Power Station)	0	15	0	15	0	0	0
2	Upgradation of AVR & Governor System for Unit III & Unit IV (Umiam Stage I Power Station)	0	10	10	0	0	0	0
3	Over hauling of Unit, I & Unit II along with Upgradation of AVR & Governor System for Unit I & Unit II (Umiam Stage I Power Station)	0	25	0	0	25	0	0
4	Installation of Complete New SCADA System along with integration of field elements including control and protection system for Unit 1 and Unit 2	20	0	0	0	0	20	0
5	Replacement of the existing field elements of Unit 3 and Unit 4 with compactable one for integration with SCADA system for Control and Protection system	25	0	0	0	0	0	25
Total				**10**	**15**	**25**	**20**	**25**

Commission's Analysis

2.1.3. The Commission has examined the capital expenditure and capitalization proposed by the Petitioner for Umiam Stage-I Power Station during the Fifth Control Period. The proposed works primarily relate to overhauling of generating units, upgradation of AVR/Governor systems, and installation of SCADA along with integration and replacement of associated field elements. The Petitioner has cited ageing equipment, obsolescence of critical components and the need to improve operational reliability and monitoring as justification for the proposed works.

2.1.4. Regarding the SCADA-related works, the Commission observes that an amount of Rs. 18.12 crore was approved in the Tariff Order dated 25.03.2026 for complete SCADA installation, including hardware and software, at Umiam Stage-I Power Station. The Petitioner has subsequently proposed Rs. 20.00 crore in FY 2029-30 for SCADA installation and integration of field elements for Units I and II, and Rs. 25.00 crore in FY 2030-31 for replacement of field elements for Units III and IV. In

response to the second additional information sought by the Commission, the Petitioner clarified that the works covered under the present proposal were part of the approved Business Plan for the Fourth Control Period but could not be undertaken during that period due to funding constraints. The Petitioner further submitted that these works are spillover works from the previous Control Period and are not new works, although the estimates have been revised.

2.1.5. The Commission has taken note of the Petitioner's submission and observes that the proposed SCADA-related works represent spillover works from the Fourth Control Period. Accordingly, the Commission has considered these works in-principle under the Fifth Control Period, subject to verification of the actual works undertaken and expenditure incurred, based on the supporting documents to be submitted by the Petitioner during the relevant tariff determination and truing-up proceedings, in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026

2.1.6. The Commission observes that the Petitioner has indicated the proposed funding through grants and equity, with no loan component considered at this stage, as the requirement for raising loans has not yet been determined. The Petitioner vide response to additional queries raised by the Commission has further clarified that, since no decision has been taken regarding the requirement for debt financing, the proposed capital expenditure, excluding grants, has been entirely indicated as equity. The Petitioner has further submitted that, for tariff purposes, it intends to claim the normative debt-equity ratio of 70:30.

2.1.7. The Commission observes that the funding pattern submitted by the Petitioner is indicative in nature and does not necessarily represent the actual financing structure of the proposed schemes. Accordingly, the Commission has taken note of the proposed funding arrangements for the purpose of the present Business Plan, while the admissible debt-equity structure, treatment of grants and associated tariff claims shall be determined in accordance with the provisions of the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.1.8. The Commission further directs the Petitioner to furnish the actual scheme-wise funding details, including equity infusion, loans availed, grants received and corresponding capitalisation, during the relevant tariff determination and truing-up proceedings for appropriate regulatory scrutiny.

2.1.9. In view of the above, the Commission has considered the capital expenditure and capitalization for Umiam Stage-I Power Station as set out in the tables below, subject to prudence check at the time of truing-up in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026. The total additional capitalization considered for the Fifth Control Period is as follows:

Table 12: Approved Capital Expenditure for Umiam Stage I

S. No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Over hauling of Unit III & Unit IV (Umiam Stage I Power Station)	0	4.5	10.5	15	0	0	0	0
2	Upgradation of AVR & Governor System for Unit III & Unit IV (Umiam Stage I Power Station)	0	3	7	10	0	0	0	0
3	Over hauling of Unit I & Unit II along with Upgradation of AVR & Governor System for Unit I & Unit II (Umiam Stage I Power Station)	0	7.5	17.5	0	25	0	0	0
4	Installation of Complete New SCADA System along with integration of field elements including control and protection system for Unit 1 and Unit 2	20	0	0	0	0	20	0	0
5	Replacement of the existing field elements of Unit 3 and Unit 4 with compactable one for integration with SCADA system for Control and Protection system	25	0	0	0	0	0	25	0
	Total	**45**	**15**	**35**	**25**	**25**	**20**	**25**	**0**

Table 13: Approved Capitalisation for Umiam Stage I

S No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Over hauling of Unit III & Unit IV (Umiam Stage I Power Station)	0	4.5	10.5	0	15	0	0	0
2	Upgradation of AVR & Governor System for Unit III & Unit IV (Umiam Stage I Power Station)	0	3	7	10	0	0	0	0
3	Over hauling of Unit I & Unit II along with Upgradation of AVR & Governor System for Unit I & Unit II (Umiam Stage I Power Station)	0	7.5	17.5	0	0	25	0	0
4	Installation of Complete New SCADA System along with integration of field elements including control and protection system for Unit 1 and Unit 2	20	0	0	0	0	0	20	0
5	Replacement of the existing field elements of Unit 3 and Unit 4 with compactable one for integration with SCADA system for Control and Protection system	25	0	0	0	0	0	0	25

S No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
	Total	**45**	**15**	**35**	**10**	**15**	**25**	**20**	**25**

2.2. Details of Works for Umiam Stage II

Petitioner's Submission

2.2.1. The Petitioner has proposed capital expenditure works at Umiam Stage-II Power Station primarily for modernization of the plant control and monitoring systems and upgradation of critical control equipment. The proposed works include installation of a SCADA system for centralized real-time monitoring and automated control of the 2×10 MW generating units, as the station is presently being operated manually with key parameters monitored locally. The Petitioner has also proposed upgradation of the existing Digital AVR and Governor systems of Unit-I and Unit-II, which were installed during 2001-02 and are stated to have become prone to malfunctioning due to ageing and obsolescence of critical cards and modules, with the OEM having discontinued their manufacture. The proposed works are intended to improve the operational efficiency, reliability and safety of the generating units and reduce the risk of prolonged outages.

2.2.2. The details of the proposed works are as follows:

Table 14: Description of work for Umiam Stage II

Sl. No.	Project Name	Description / Scope and Justification	Total Amount (Rs. Cr.)	Funding
1	Installation of SCADA System	Umiam Stage-II is presently operated without a SCADA system, with key electrical and mechanical parameters monitored locally and no centralized monitoring system at the control room. The proposed SCADA system would enable automated control, real-time monitoring, fault detection, alarm management and improved operational data logging, thereby reducing manual intervention and improving the operational efficiency, safety and reliability of the 2×10 MW generating units.	15	Grant
2	Upgradation of AVR & Governor System for Unit-I & Unit-II	The existing Digital AVR and Governor systems are stated to have been installed during 2001-02 and have become prone to malfunctioning due to ageing and obsolescence of critical cards and modules. The OEM has reportedly discontinued manufacture of the existing components. The proposed upgradation is intended to improve voltage and frequency regulation, operational reliability and safety, and reduce the risk of prolonged unit outages.	20	Equity

2.2.3. Projected capital expenditure and capitalisation for Umiam Stage II are as follows:

Table 15: Proposed Capital Expenditure for Umiam Stage II

Sl. No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Installation of Complete SCADA System (Umiam Stage II Power Station)	15	0	10	5	0	0	0
2	Upgradation of AVR & Governor System for Unit I (Umiam Stage II Power Station)	0	10	0	10	0	0	0
3	Upgradation of AVR & Governor System for Unit II (Umiam Stage II Power Station)	0	10	0	0	10	0	0
Total		**15**	**20**	**10**	**15**	**10**	**0**	**0**

Table 16: Proposed Capitalisation for Umiam Stage II

Sl No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Installation of Complete SCADA System (Umiam Stage II Power Station)	15	0	0	15	0	0	0
2	Upgradation of AVR & Governor System for Unit I (Umiam Stage II Power Station)	0	10	0	0	10	0	0
3	Upgradation of AVR & Governor System for Unit II (Umiam Stage II Power Station)	0	10	0	0	0	10	0
Total		**15**	**20**	**0**	**15**	**10**	**10**	**0**

Commission's Analysis

2.2.4. The Commission observes that an amount of Rs. 9.06 crore was approved for installation of the complete SCADA system at Umiam Stage-II Power Station in the Tariff Order for FY 2026-27 dated 25.03.2026. The Petitioner has now proposed Rs. 15.00 crore for the SCADA system. In response to the second additional information sought by the Commission, the Petitioner clarified that the proposed work was part of the approved Business Plan for the Fourth Control Period but could not be undertaken during that period due to funding constraints and, therefore, represents a spillover work rather than a new work.

2.2.5. The Commission has taken note of the Petitioner's submission and has considered the proposed SCADA work in-principle under the Fifth Control Period, subject to verification of the actual work undertaken and expenditure incurred, based on the supporting documents to be submitted by the Petitioner during the relevant tariff determination and truing-up proceedings, in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.2.6. The Commission observes that the Petitioner has indicated the proposed funding through grants and equity, with no loan component considered at this stage, as the

requirement for raising loans has not yet been determined. The Petitioner, vide response to additional queries raised by the Commission, has further clarified that, since no decision has been taken regarding the requirement for debt financing, the proposed capital expenditure, excluding grants, has been entirely indicated as equity. The Petitioner has further submitted that, for tariff purposes, it intends to claim the normative debt-equity ratio of 70:30.

2.2.7. The Commission observes that the funding pattern submitted by the Petitioner is indicative in nature and does not necessarily represent the actual financing structure of the proposed schemes. Accordingly, the Commission has taken note of the proposed funding arrangements for the purpose of the present Business Plan, while the admissible debt-equity structure, treatment of grants and associated tariff claims shall be determined in accordance with the provisions of the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.2.8. The Commission further directs the Petitioner to furnish the actual scheme-wise funding details, including equity infusion, loans availed, grants received and corresponding capitalization, during the relevant tariff determination and truing-up proceedings for appropriate regulatory scrutiny.

2.2.9. In view of the above, the Commission has considered in-principle the proposed capital expenditure and capitalization for Umiam Stage-II Power Station, including the SCADA work identified as a spillover work from the Fourth Control Period, as shown in the tables below. Such consideration shall be subject to verification of the actual works undertaken, expenditure incurred and capitalization, based on supporting documents submitted by the Petitioner, and prudence check in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026. The total additional capitalization considered for the Fifth Control Period is as follows:

Table 17: Approved Capital Expenditure for Umiam Stage II

Sl. No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Installation of Complete SCADA System (Umiam Stage II Power Station)	15	0	0	10	5	0	0	0
2	Upgradation of AVR & Governor System for Unit I (Umiam Stage II Power Station)	0	3	7	0	10	0	0	0
3	Upgradation of AVR & Governor System for Unit II (Umiam Stage II Power Station)	0	3	7	0	0	10	0	0
Total		**15**	**6**	**14**	**10**	**15**	**10**	**0**	**0**

Table 18: Approved Capitalisation for Umiam Stage II

Sl No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Installation of Complete SCADA System (Umiam Stage II Power Station)	15	0	0	0	15	0	0	0
2	Upgradation of AVR & Governor System for Unit I (Umiam Stage II Power Station)	0	3	7	0	0	10	0	0
3	Upgradation of AVR & Governor System for Unit II (Umiam Stage II Power Station)	0	3	7	0	0	0	10	0
Total		**15**	**6**	**14**	**0**	**15**	**10**	**10**	**0**

2.3. Details of Works for Umiam Stage III

Petitioner's Submission

2.3.1. The Petitioner has proposed certain capital expenditure works at Umiam Stage-III Power Station for strengthening the existing evacuation infrastructure and improving accessibility to the switchyard. The proposed works comprise re-engineering of the 132 kV bus and construction of a lift connecting the Powerhouse to the switchyard. The major works proposed under the Business Plan are summarised below:

Table 19: Description of work for Umiam Stage III

Sl. No.	Project	Description / Scope and Justification	Total Amount in Cr.	Funding
1	Re-engineering of 132 kV Bus	Replacement of existing ACSR Panther conductor with HTLS conductor of higher current-carrying capacity, including terminal connectors, to enhance bus loading capacity and facilitate reliable evacuation of power.	3	Equity
2	Construction of Lift from Powerhouse to 132 kV Switchyard	Construction of a lift to facilitate access to the switchyard, which is located at a significantly higher elevation, particularly during emergencies.	5	Equity

2.3.2. Projected capital expenditure and capitalisation for Umiam Stage III are as follows:

Table 20: Proposed Capital Expenditure for Umiam Stage III

Sl. No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Re-Engineering of 132 KV Bus of Stage-III Power Station	0	3	1	2	0	0	0
2	Construction of Lift from Control Room to 132 KV Switchyard	0	5	0	1	4	0	0
Total		**0**	**8**	**1**	**3**	**4**	**0**	**0**

Table 21: Proposed Capitalisation for Umiam Stage III

S No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Re-Engineering of 132 KV Bus of Stage-III Power Station	0	3	0	3	0	0	0
2	Construction of Lift from Control Room to 132 KV Switchyard	0	5	0	0	0	5	0
Total		**0**	**8**	**0**	**3**	**0**	**5**	**0**

Commission's Analysis

2.3.3. With regard to the proposed re-engineering of the 132 kV bus at Umiam Stage-III Power Station, the Commission observes that an amount of Rs. 1.00 crore was approved in the Tariff Order for FY 2026-27 dated 25.03.2026. The Petitioner has now proposed an expenditure of Rs. 3.00 crore in FY 2028-29. The Commission further observes that, while the Petition initially indicated completion of the work by March 2029, Table 14 indicated completion by March 2028. In response to the first additional information sought by the Commission, the Petitioner furnished Annexure 3, wherein the work was indicated to be undertaken during FY 2028-29, consistent with the capital expenditure proposed for the said year. However, in response to the second additional information sought by the Commission, the Petitioner clarified that March 2028 was the correct completion date and that the reference to March 2029 in the project description was an inadvertent error.

2.3.4. The Commission observes that the aforesaid clarification does not fully reconcile the discrepancy, since the proposed capital expenditure of Rs. 3.00 crore has been projected for FY 2028-29, whereas the work, as per the subsequent clarification, would already have been completed by March 2028. Accordingly, for the purpose of the present Business Plan assessment, the Commission has considered the implementation schedule and corresponding capital expenditure as furnished by the Petitioner in Annexure 3 to its response to the first additional information sought by the Commission.

2.3.5. The Commission has also taken note of the Petitioner's clarification regarding the

work being a spillover from the Fourth Control Period due to funding constraints and has considered the proposed work in-principle under the Fifth Control Period, subject to verification of the actual implementation schedule, work undertaken and expenditure incurred, based on supporting documents to be submitted during the relevant tariff determination and truing-up proceedings, in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.3.6. The Commission observes that the Petitioner has indicated the proposed funding through grants and equity, with no loan component considered at this stage, as the requirement for raising loans has not yet been determined. The Petitioner, vide response to additional queries raised by the Commission, has further clarified that, since no decision has been taken regarding the requirement for debt financing, the proposed capital expenditure, excluding grants, has been entirely indicated as equity. The Petitioner has further submitted that, for tariff purposes, it intends to claim the normative debt-equity ratio of 70:30.

2.3.7. The Commission observes that the funding pattern submitted by the Petitioner is indicative in nature and does not necessarily represent the actual financing structure of the proposed schemes. Accordingly, the Commission has taken note of the proposed funding arrangements for the purpose of the present Business Plan, while the admissible debt-equity structure, treatment of grants and associated tariff claims shall be determined in accordance with the provisions of the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.3.8. The Commission further directs the Petitioner to furnish the actual scheme-wise funding details, including equity infusion, loans availed, grants received and corresponding capitalization, during the relevant tariff determination and truing-up proceedings for appropriate regulatory scrutiny.

2.3.9. In view of the above, the Commission has considered capital expenditure and capitalization for Umiam Stage-III Power Station, as shown in the tables below. Such consideration shall be subject to verification of the actual works undertaken, implementation schedule, expenditure incurred and capitalization, based on supporting documents submitted by the Petitioner, and prudence check in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026. The total additional capitalization considered for the Fifth Control Period is as follows:

Table 22: Approved Capex for Umiam Stage III

Sl. No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Re-Engineering of 132 KV Bus of Stage-III Power Station	0	0.9	2.1	1	2	0	0	0
2	Construction of Lift from Control Room to 132 KV Switchyard	0	1.5	3.5	0	1	4	0	0
Total		**0**	**2.4**	**5.6**	**1**	**3**	**4**	**0**	**0**

Table 23: Approved Capitalisation for Umiam Stage III

Sl No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Re-Engineering of 132 KV Bus of Stage-III Power Station	0	0.9	2.1	0	3	0	0	0
2	Construction of Lift from Control Room to 132 KV Switchyard	0	1.5	3.5	0	0	0	5	0
Total		**0**	**2.4**	**5.6**	**0**	**3**	**0**	**5**	**0**

2.4. Details of Works for Umiam Stage IV

Petitioner's Submission

2.4.1. The Petitioner has proposed capital expenditure works of Umiam Stage-IV Power Station for renovation of the generating unit and strengthening of the station's auxiliary power supply arrangement. The Petitioner has submitted that the station, comprising two 30 MW BHEL units commissioned in 1992, has been an important source of generation in the Umiam-Umtru basin, particularly during the monsoon season. However, due to prolonged operation, various components of the generating units have deteriorated, including the runner, guide vane mechanism, shaft sleeve, bypass and pressure relief valves, rotor components, coolers and main inlet valve system, resulting in shutdowns for rectification and consequent generation loss. Accordingly, the Petitioner has proposed the following works:

Table 24: Description of work for Umiam Stage IV

Sl. No.	Project	Description / Scope and Justification	Total Amount in Cr.	Funding
1	Overhauling of Unit-I of Stage-IV Power Station	Overhauling of the generating unit and replacement of worn-out/damaged components to improve reliability, availability and response of the unit and reduce generation loss due to forced shutdowns.	6.5	Equity

Sl. No.	Project	Description / Scope and Justification	Total Amount in Cr.	Funding
2	Bay Extension of 132 kV Switchyard along with Installation of 10 MVA Transformer and Associated Terminal Equipment	The station presently receives outside source supply through a 10 MVA, 132/33 kV transformer at Stage-III through a 33 kV line passing through difficult terrain and a reserve forest area, making the line prone to frequent outages. A dedicated transformer and associated 132 kV bay extension are proposed to provide a stable and reliable outside source supply to the power station and employee colony.	50	Equity

2.4.2. Projected capital expenditure and capitalisation for Umiam Stage IV are as follows:

Table 25: Proposed Capital Expenditure for Umiam Stage IV

Sl. No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	RMU of Stage-IV Power Station	0	500	0	0	0	0	50
2	Capital Overhauling of Unit-I of Stage-IV Power Station	0	6.5	6.5	0	0	0	0
3	Bay Extension of 132KV Switchyard along with Installation of 10 MVA Transformer and Associated Terminal Equipment for Obtaining Dedicated and Reliable Power Supply for the Station	0	50	50	0	0	0	0
Total		**0**	**556.5**	**56.5**	**0**	**0**	**0**	**50**

Table 26: Proposed Capitalisation for Umiam Stage IV

Sl. No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	RMU of Stage-IV Power Station	0	500	0	0	0	0	0
2	Capital Overhauling of Unit-I of Stage-IV Power Station	0	6.5	0	6.5	0	0	0
3	Bay Extension of 132KV Switchyard along with installation of 10MVA transformer and associated terminal equipments for obtaining dedicated and reliable power supply for the station	0	50	0	50.00	0	0	0
Total		**0**	**556.5**	**0**	**56.5**	**0**	**0**	**0**

Commission's Analysis

2.4.3. The Commission has examined the proposed capital expenditure for Umiam Stage-IV Power Station, comprising overhauling of Unit-I, extension of the 132 kV switchyard along with installation of a 10 MVA transformer, and renovation, modernisation and up-rating (RMU) works.

2.4.4. With regard to the proposed RMU works, the Commission observes that the Petitioner has indicated an estimated cost of Rs. 500.00 crore. In response to the Commission's query, the Petitioner has clarified that the funding pattern for the RMU works has not yet been decided and, accordingly, the proposed RMU expenditure has not been included under capital expenditure or capitalization for the Fifth Control Period.

2.4.5. The Petitioner has further submitted that only Rs. 50.00 crore towards engineering and consultancy works has been included as capital expenditure in FY 2031-32, as the project is expected to commence in 2032, and that these costs would be capitalized along with the project upon its completion. Accordingly, the Commission has considered the proposed RMU works of Rs. 50.00 crore in-principle under the Fifth Control Period, subject to verification of the actual scope of work undertaken and expenditure incurred, based on the supporting documents to be submitted by the Petitioner during the relevant tariff determination and truing-up proceedings, in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.4.6. The Commission observes that the Petitioner has indicated the proposed funding through grants and equity, with no loan component considered at this stage, as the requirement for raising loans has not yet been determined. The Petitioner vide response to additional queries raised by the Commission has further clarified that, since no decision has been taken regarding the requirement for debt financing, the proposed capital expenditure, excluding grants, has been entirely indicated as equity. The Petitioner has further submitted that, for tariff purposes, it intends to claim the normative debt-equity ratio of 70:30.

2.4.7. The Commission observes that the funding pattern submitted by the Petitioner is indicative in nature and does not necessarily represent the actual financing structure of the proposed schemes. Accordingly, the Commission has taken note of the proposed funding arrangements for the purpose of the present Business Plan, while the admissible debt-equity structure, treatment of grants and associated tariff claims shall be determined in accordance with the provisions of the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.4.8. The Commission further directs the Petitioner to furnish the actual scheme-wise funding details, including equity infusion, loans availed, grants received and corresponding capitalisation, during the relevant tariff determination and truing-up proceedings for appropriate regulatory scrutiny.

2.4.9. In view of the above, the Commission has considered the capital expenditure and capitalization for Umiam Stage-IV Power Station, as shown in the tables below subject to prudence check at the time of truing-up in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026. The total additional capitalization considered for the Fifth Control Period is as follows:

Table 27: Approved Capital Expenditure for Umiam Stage IV

Sl. No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	RMU of Stage-IV Power Station	0	15	35	0	0	0	0	50
2	Capital Overhauling of Unit-I of Stage-IV Power Station	0	1.95	4.55	6.5	0	0	0	0
3	Bay Extension of 132KV Switchyard along with Installation of 10 MVA Transformer and Associated Terminal Equipment for Obtaining Dedicated and Reliable Power Supply for the Station	0	15	35	50	0	0	0	0
Total		**0**	**31.95**	**74.55**	**56.5**	**0**	**0**	**0**	**50**

Table 28: Approved Capitalisation for Umiam Stage IV

Sl No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	RMU of Stage-IV Power Station	0	0	0	0	0	0	0	0
2	Capital Overhauling of Unit-I of Stage-IV Power Station	0	1.95	4.55	0	6.5	0	0	0
3	Bay Extension of 132KV Switchyard along with installation of 10MVA transformer and associated terminal equipments for obtaining dedicated and reliable power supply for the station	0	15	35	0	50	0	0	0
Total		**0**	**16.95**	**39.55**	**0**	**56.5**	**0**	**0**	**0**

2.5. Details of Works for MLHEP

Petitioner's Submission

2.5.1. The Petitioner has proposed various capital expenditure works at Myntdu-Leshka Stage-I Power Station for renovation, refurbishment, replacement and upgradation

of critical equipment and associated infrastructure. The proposed works are aimed at improving the reliability and operational performance of the generating units, reducing station outages and maintenance requirements, ensuring safe operation of the generating units and associated systems, and strengthening the cooling, dewatering, protection, control and auxiliary systems. The major works proposed by the Petitioner are summarised below:

Table 29: Description of works for MLHEP

Sl. No.	Project / Work	Scope / Justification	Estimated Cost (Rs. Cr.)	Funding
1	Cooling Water Piping Arrangement for Open-Loop Cooling System and Extension of Dewatering Pipeline to Lynriang River	Open-loop cooling is proposed to reduce power consumption and maintenance/repair costs of cooling water pumps and motors. Extension of the dewatering pipeline is proposed to accelerate tail-race dewatering and reduce the requirement for additional pumps.	0.44	Equity
2	Painting of Unit-II & Unit-III Turbine Underwater Embedded Components, New DG Set and OPU Piston Accumulators	Painting of underwater embedded components is proposed to enhance their service life. A new DG set is proposed to replace the existing unreliable DG set for emergency power supply. New OPU piston accumulators are also proposed.	1.3	Equity
3	Upgradation of SCADA Hardware and Associated Components and Replacement of 1070 AH, 220 V DC Battery Bank-2	SCADA upgradation is proposed to improve the operation and extend the service life of the system, thereby reducing station outages. Replacement of the deteriorated battery bank is proposed to ensure reliable DC supply.	13	Equity
4	New Excitation Transformer, 33 kV Arrangement for Idle Charging of Spare Generator Transformer, Crane Overhauling, Earthing Strengthening and HVAC Duct Replacement	The proposed works include arrangements to keep the spare generator transformer in healthy condition, servicing of cranes for safe handling of heavy equipment, strengthening of the earthing system and replacement of corroded HVAC ducts.	2	Equity
5	New Main Inlet Valve and Penstock Protection Valve for Unit-I and Associated Components	Replacement of the deteriorated MIV and associated components is proposed to ensure safe operation and proper isolation of the unit during maintenance.	51	Equity
6	Refurbishment of MIV and Penstock Protection Valve for Unit-II & Unit-III and Renovation of SSBs & UABs	Refurbishment of the valves and renovation of SSBs and UABs are proposed to ensure safe operation and proper isolation of the generating units during maintenance.	81	Equity

Sl. No.	Project / Work	Scope / Justification	Estimated Cost (Rs. Cr.)	Funding
7	Installation of New Draft Tube and PRV Gates for All Three Units	Replacement of the existing leaking gates is proposed to mitigate the risk of flooding and ensure safe operation of the units.	10	Equity
8	Replacement of Corroded Lattice Structure in Switchyard, Renovation of Powerhouse Elevator and Installation of Drainage & Dewatering Pump Sets	Replacement of the corroded switchyard structure is proposed to prevent structural failure. Renovation of the elevator and installation of drainage and dewatering pumps are proposed to ensure safe and reliable operation and prevent flooding.	16.35	Equity
9	Repainting of External Surface of Penstock Pipes	Repainting of the three penstock pipes is proposed to prevent leakages and consequent generation loss.	4.5	Equity
10	Dedicated Testing Equipment for MLHEP	Procurement of dedicated testing equipment is proposed for improving the performance of the generating units.	6.26	Equity
11	Water Supply from Additional Source (Jyrchi River) for Cooling System	Provision of water from an additional source is proposed to augment the availability of cooling water required for the powerhouse.	7.65	Equity

2.5.2. Projected capital expenditure and capitalisation for MLHEP are as follows:

Table 30: Proposed Capital Expenditure for MLHEP

Sl. No.	Name of Work	Grant	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Cooling water piping arrangement to facilitate open loop cooling system for Unit-1, 2, 3, Extension of dewatering pipeline to Lynriang river for Unit-1 & Unit-2 of Myntdu-Leshka Stage-I Power Station	0	0.44	0	0	0	0	0
2	Painting of Unit-2 & Unit-3 turbine under water embedded components of Myntdu-Leshka Stage-I Power Station, Procurement of new DG set including installation & commissioning, Procurement of new OPU piston accumulators including installation	0	1.3	0	0	0	0	0
3	Upgradation of SCADA Hardware and associated components of Myntdu-Leshka Stage-I Power Station, Procurement of New 1070 AH, 220 VDC battery bank-2 including charger	0	13	13	0	0	0	0

Sl. No.	Name of Work	Grant	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
4	Procurement of New excitation transformer, Construction of 33KV arrangement for idle charging of the spare 11/132KV, 17.5MVA Generator Transformer for Myntdu-Leshka Stage-I Power Station, Overhauling of 150/30 T EOT crane in powerhouse and 15 T EOT crane in PPV house, Strengthening of powerhouse earthing system including switch yard & PPV house, Replacement of the corroded HVAC ducts	0	2	2	0	0	0	0
5	Procurement of new Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-1 for Myntdu Leshka Stage-I Power Station	0	51	51	0	0	0	0
6	Refurbishment of the existing Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-2 for Myntdu Leshka Stage-I Power Station	0	40	0	20	20	0	0
7	Refurbishment of the existing Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-3 for Myntdu Leshka Stage-I Power Station, Renovation of all SSBs & UABs	0	41	0	0	20	21	0
8	Installation of New Draft Tube and PRV Gate for all the three Units	0	10	0	0	0	5	5
9	Replacement of the corroded components of the lattice structure in switch yard, Renovation of the powerhouse elevator, Procurement & installation of Drainage & Dewatering pump sets (vertical turbine type)	0	16.35	0	0	0	0	16.35
10	Estimate for Repainting the external Surface of Penstock Pipes (3 Nos) of Myntdu Leshka Stage-I	0	4.5	1	3.5	0	0	0
11	Dedicated testing equipment for MLHEP	0	6.26	0	6.26	0	0	0
12	Estimate for the Work providing Water from Additional Source (Tyrchi River) For Cooling System of Powerhouse of Myntdu Leshka Stage-I	0	7.65	2.55	2.55	2.55	0	0
Total		**0**	**193.5**	**69.55**	**32.31**	**42.55**	**26.00**	**21.35**

Table 31: Proposed Capitalisation for MLHEP

Sl No.	Name of Work	Grant	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Cooling water piping arrangement to facilitate open loop cooling system for Unit-1, 2, 3, Extension of dewatering pipe line to Lynriang river for Unit-1 & Unit-2 of Myntdu-Leshka Stage-I Power Station	0	0.44	0.44	0	0	0	0
2	Painting of Unit-2 & Unit-3 turbine under water embedded components of Myntdu-Leshka Stage-I Power Station, Procurement of new DG set including installation & commissioning, Procurement of new OPU piston accumulators including installation	0	1.3	1.3	0	0	0	0
3	Upgradation of SCADA Hardware and associated components of Myntdu-Leshka Stage-I Power Station, Procurement of New 1070 AH, 220 VDC battery bank-2 including charger	0	13	0	13	0	0	0
4	Procurement of New excitation transformer, Construction of 33KV arrangement for idle charging of the spare 11/132KV, 17.5 MVA Generator Transformer for Myntdu-Leshka Stage-I Power Station, Overhauling of 150/30 T EOT crane in power house and 15 T EOT crane in PPV house, Strengthening of power house earthing system including switch yard & PPV house, Replacement of the corroded HVAC ducts	0	2	0	2	0	0	0
5	Procurement of new Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-1 for Myntdu Leshka Stage-I Power Station	0	51	0	51	0	0	0
6	Refurbishment of the existing Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-2 for Myntdu Leshka Stage-I Power Station	0	40	0	0	0	40	0
7	Refurbishment of the existing Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-3 for Myntdu Leshka Stage-I Power Station, Renovation of all SSBs & UABs	0	41	0	0	0	41	0
8	Installation of New Draft Tube and PRV gate for all the three Units	0	10	0	0	0	10	0

Sl No.	Name of Work	Grant	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
9	Replacement of the corroded components of the lattice structure in switch yard, Renovation of the power house elevator, Procurement & installation of Drainage & Dewatering pump sets (vertical turbine type)	0	16.35	0	0	0	0	16.35
10	Estimate for Repainting the external Surface of Penstock Pipes (3 Nos) of Myntdu Leshka Stage-I	0	4.5	0	4.5	0	0	0
11	Dedicated testing equipment for MLHEP	0	6.26	0	6.26	0	0	0
12	Estimate for the Work providing Water from Additional Source (Tyrchi River) for Cooling System of Power House of Myntdu Leshka Stage-I	0	7.65	0	7.65	0	0	0
Total		**0**	**193.5**	**1.74**	**84.41**	**0**	**91**	**16.35**

Commission's Analysis

2.5.3. The Commission has examined the proposed capital expenditure for MLHEP, which primarily relates to refurbishment and replacement of critical equipment, upgradation of control systems and strengthening of auxiliary infrastructure. With regard to the proposed repainting of the external surface of penstock pipes, the Commission observes that Rs. 2.00 crore was approved in the Tariff Order for FY 2026-27 dated 25.03.2026, whereas the Petitioner has now proposed an expenditure of Rs. 4.50 crore. The Petitioner vide response to second additional information has clarified that the proposed work was part of the approved Business Plan for the Fourth Control Period but could not be undertaken during that period due to funding constraints and, therefore, represents a spillover work rather than a new work.

2.5.4. The Commission has taken note of the Petitioner's submission and has considered the proposed work in-principle under the Fifth Control Period, subject to verification of the actual work undertaken and expenditure incurred, based on the supporting documents to be submitted by the Petitioner during the relevant tariff determination and truing-up proceedings, in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.5.5. The Commission observes that the Petitioner has indicated the proposed funding through grants and equity, with no loan component considered at this stage, as the requirement for raising loans has not yet been determined. The Petitioner, vide response to additional queries raised by the Commission, has further clarified that, since no decision has been taken regarding the requirement for debt financing, the proposed capital expenditure, excluding grants, has been entirely indicated as equity. The Petitioner has further submitted that, for tariff purposes, it intends to claim the normative debt-equity ratio of 70:30.

2.5.6. The Commission observes that the funding pattern submitted by the Petitioner is indicative in nature and does not necessarily represent the actual financing

structure of the proposed schemes. Accordingly, the Commission has taken note of the proposed funding arrangements for the purpose of the present Business Plan, while the admissible debt-equity structure, treatment of grants and associated tariff claims shall be determined in accordance with the provisions of the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.5.7. The Commission further directs the Petitioner to furnish the actual scheme-wise funding details, including equity infusion, loans availed, grants received and corresponding capitalization, during the relevant tariff determination and truing-up proceedings for appropriate regulatory scrutiny.

2.5.8. In view of the above, the Commission approves capital expenditure and capitalization for MLHEP, as shown in the tables below. The capital expenditure and capitalization considered for the Control Period shall be subject to verification of actual works undertaken and expenditure incurred, based on supporting documents submitted by the Petitioner, and prudence check in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

Table 32: Approved Capital Expenditure for MLHEP

Sl. No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Cooling water piping arrangement to facilitate open loop cooling system for Unit-1, 2, 3, Extension of dewatering pipeline to Lynriang river for Unit-1 & Unit-2 of Myntdu-Leshka Stage-I Power Station	0	0.00	0.00	0	0	0	0	0
2	Painting of Unit-2 & Unit-3 turbine under water embedded components of Myntdu-Leshka Stage-I Power Station, Procurement of new DG set including installation & commissioning, Procurement of new OPU piston accumulators including installation	0	0.00	0.00	0	0	0	0	0
3	Upgradation of SCADA Hardware and associated components of Myntdu-Leshka Stage-I Power Station, Procurement of New 1070 AH, 220 VDC battery bank-2 including charger	0	3.90	9.10	13	0	0	0	0
4	Procurement of New excitation transformer, Construction of 33KV arrangement for idle charging of the spare 11/132KV, 17.5MVA Generator Transformer for Myntdu-Leshka Stage-I Power Station, Overhauling of 150/30 T EOT crane in power house and 15 T EOT crane in PPV house, Strengthening of power house earthing system including switch yard & PPV house, Replacement of the corroded HVAC ducts	0	0.60	1.40	2	0	0	0	0

Sl. No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
5	Procurement of new Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-1 for Myntdu Leshka Stage-I Power Station	0	15.30	35.70	51	0	0	0	0
6	Refurbishment of the existing Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-2 for Myntdu Leshka Stage-I Power Station	0	12.00	28.00	0	20	20	0	0
7	Refurbishment of the existing Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-3 for Myntdu Leshka Stage-I Power Station, Renovation of all SSBs & UABs	0	12.30	28.70	0	0	20	21	0
8	Installation of New Draft Tube and PRV Gate for all the three Units	0	3.00	7.00	0	0	0	5	5
9	Replacement of the corroded components of the lattice structure in switch yard, Renovation of the powerhouse elevator, Procurement & installation of Drainage & Dewatering pump sets (vertical turbine type)	0	4.91	11.45	0	0	0	0	16.35
10	Estimate for Repainting the external Surface of Penstock Pipes (3 Nos) of Myntdu Leshka Stage-I	0	1.35	3.15	1	3.5	0	0	0
11	Dedicated testing equipment for MLHEP	0	1.88	4.38	0	6.26	0	0	0
12	Estimate for the Work providing Water from Additional Source (Tyrchi River) For Cooling System of Powerhouse of Myntdu Leshka Stage-I	0	2.30	5.36	2.55	2.55	2.55	0	0
	Total	**0**	**57.53**	**134.23**	**69.55**	**32.31**	**42.55**	**26.00**	**21.35**

Table 33: Approved Capitalisation for MLHEP

Sl No.	Name of Work	Grant	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Cooling water piping arrangement to facilitate open loop cooling system for Unit-1, 2, 3, Extension of dewatering pipe line to Lynriang river for Unit-1 & Unit-2 of Myntdu-Leshka Stage-I Power Station	0	0.132	0.308	0.44	0.00	0.00	0.00	0.00
2	Painting of Unit-2 & Unit-3 turbine under water embedded components of Myntdu-Leshka Stage-I Power Station, Procurement of new DG set including installation & commissioning, Procurement of new OPU piston accumulators including installation	0	0.39	0.91	1.30	0.00	0.00	0.00	0.00
3	Upgradation of SCADA Hardware and associated components of Myntdu-Leshka Stage-I Power Station, Procurement of New 1070 AH, 220 VDC battery bank-2 including charger	0	3.9	9.1	0.00	13.00	0.00	0.00	0.00
4	Procurement of New excitation transformer, Construction of 33KV arrangement for idle charging of the spare 11/132KV, 17.5 MVA Generator Transformer for Myntdu-Leshka Stage-I Power Station, Overhauling of 150/30 T EOT crane in power house and 15 T EOT crane in PPV house, Strengthening of power house earthing system including switch yard & PPV house, Replacement of the corroded HVAC ducts	0	0.6	1.4	0.00	2.00	0.00	0.00	0.00
5	Procurement of new Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-1 for Myntdu Leshka Stage-I Power Station	0	15.3	35.7	0.00	51.00	0.00	0.00	0.00
6	Refurbishment of the existing Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-2 for Myntdu Leshka Stage-I Power Station	0	12	28	0.00	0.00	0.00	40.00	0.00

Sl No.	Name of Work	Grant	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
7	Refurbishment of the existing Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-3 for Myntdu Leshka Stage-I Power Station, Renovation of all SSBs & UABs	0	12.3	28.7	0.00	0.00	0.00	41.00	0.00
8	Installation of New Draft Tube and PRV gate for all the three Units	0	3	7	0.00	0.00	0.00	10.00	0.00
9	Replacement of the corroded components of the lattice structure in switch yard, Renovation of the power house elevator, Procurement & installation of Drainage & Dewatering pump sets (vertical turbine type)	0	4.905	11.445	0.00	0.00	0.00	0.00	16.35
10	Estimate for Repainting the external Surface of Penstock Pipes (3 Nos) of Myntdu Leshka Stage-I	0	1.35	3.15	0.00	4.50	0.00	0.00	0.00
11	Dedicated testing equipment for MLHEP	0	1.878	4.382	0.00	6.26	0.00	0.00	0.00
12	Estimate for the Work providing Water from Additional Source (Tyrchi River) for Cooling System of Power House of Myntdu Leshka Stage-I	0	2.295	5.355	0.00	7.65	0.00	0.00	0.00
	Total	**0**	**58.05**	**135.45**	**1.74**	**84.41**	**0**	**91**	**16.35**

2.6. Details of Works for NUHEP

Petitioner's Submission

2.6.1. The Petitioner has proposed various capital expenditure works at New Umtru Hydro Electric Project for upgradation of automation and control systems, strengthening of intake and dam safety infrastructure, and improvement of operational reliability. The proposed works include upgradation of the existing D-AVR, D-GOV, excitation, protection and SCADA systems of Unit-I and Unit-II, replacement/upgradation of systems that have reached the end of their system life cycle, and installation of additional facilities to address the inflow of logs and floating debris. The Petitioner has also proposed works relating to operational SCADA, dam instrumentation and emergency power supply for operation of dam gates. The major works proposed are summarised below:

Table 34: Description of work for NUHEP

Sl. No.	Project / Work	Scope / Justification	Estimated Cost (Rs. Cr.)	Funding
1	Upgradation of D-AVR, D-GOV, Excitation, Protection & SCADA System of Unit-I & Unit-II	The existing automation and control system has become obsolete and the OEM has discontinued manufacturing of the existing hardware, resulting in limited availability of spares and support. Upgradation to the latest system is proposed to improve operational reliability and avoid potential outages due to non-availability of critical components.	15	Equity
2	Heavy Duty Log Boom	Proposed to address the heavy inflow of logs and floating debris affecting the overall performance of the generating units.	7.31	Equity
3	TRCM at Intake	Proposed to facilitate regular cleaning and removal of logs and other debris obstructing the intake trash rack.	2.2	Equity
4	New SCADA System for Operational Gates	Proposed to operationalise the system and enable digital transmission of readings, including compliance with CDSE observations.	0.26	Equity
5	Instrumentation at Dam	Proposed to provide minimum required instrumentation for compliance with the Dam Safety Act, 2021.	2.65	Equity
6	250 kVA DG Set at Dam	Proposed as part of dam safety arrangements to enable operation of all gates during emergencies involving high to very high flood conditions.	0.4	Equity

2.6.2. Projected capital expenditure and capitalisation for NUHEP are as follows:

Table 35: Proposed Capital Expenditure for NUHEP

Sl. No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	D-AVR/D-GOV/excitation/protection/SCADA upgrade Units I-II	0.00	15.00	0.00	15.00	0.00	0.00	0.00
2	Heavy duty Log Boom	0.00	7.31	7.31	0.00	0.00	0.00	0.00
3	TRCM at intake	0.00	2.20	0.00	2.20	0.00	0.00	0.00
4	New gate-operation SCADA	0.00	0.26	0.26	0.00	0.00	0.00	0.00
5	Instrumentation at Dam	0.00	2.65	2.65	0.00	0.00	0.00	0.00
6	DG set 250 kVA at Dam	0.00	0.40	0.00	0.00	0.00	0.00	0.00

Sl. No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
7	CCTV in Power House and Dam	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		**0**	**27.82**	**10.22**	**17.2**	**0**	**0**	**0**

Table 36: Proposed Capitalisation for NUHEP

Sl No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	D-AVR/D-GOV/excitation/protection/SCADA upgrade Units I-II	0.00	15.00	0.00	0.00	15.00	0.00	0.00
2	Heavy duty Log Boom	0.00	7.31	0.00	7.31	0.00	0.00	0.00
3	TRCM at intake	0.00	2.20	0.00	0.00	2.20	0.00	0.00
4	New gate-operation SCADA	0.00	0.26	0.26	0.00	0.00	0.00	0.00
5	Instrumentation at Dam	0.00	2.65	2.65	0.00	0.00	0.00	0.00
6	DG set 250 kVA at Dam	0.00	0.40	0.40	0.00	0.00	0.00	0.00
Total		**0**	**27.82**	**3.31**	**7.31**	**17.2**	**0**	**0**

Commission's Analysis

2.6.3. The Commission has examined the proposed capital expenditure for NUHEP, comprising upgradation of automation and control systems, installation of a heavy-duty log boom and TRCM at the intake, gate-operation SCADA, dam instrumentation and a DG set. In response to the Commission's query seeking supporting estimates, technical justification and details regarding obsolescence and cost reasonableness, the Petitioner has submitted that these details are not available at the Business Plan stage and has undertaken to furnish the requisite documents at the time of actual capitalization and review the requirements at the Mid-Term Review. Accordingly, the proposed expenditure shall be subject to further examination by the Commission based on the supporting documents submitted during Mid-term review.

2.6.4. With regard to the proposed dam instrumentation, estimated at Rs. 2.65 crore, the Commission observes that the work is scheduled for completion in FY 2026-27, whereas the corresponding capital expenditure has been projected in FY 2027-28. Since the work is expected to be completed before the commencement of the Fifth Control Period, the proposed capital expenditure has not been considered under the Fifth Control Period. The Petitioner is directed to furnish the actual expenditure incurred and capitalization details, along with supporting documents, at the time of the relevant tariff determination and truing-up proceedings.

2.6.5. The Commission observes that the Petitioner has indicated the proposed funding through grants and equity, with no loan component considered at this stage, as the requirement for raising loans has not yet been determined. The Petitioner vide

response to additional queries raised by the Commission has further clarified that, since no decision has been taken regarding the requirement for debt financing, the proposed capital expenditure, excluding grants, has been entirely indicated as equity. The Petitioner has further submitted that, for tariff purposes, it intends to claim the normative debt-equity ratio of 70:30.

2.6.6. The Commission observes that the funding pattern submitted by the Petitioner is indicative in nature and does not necessarily represent the actual financing structure of the proposed schemes. Accordingly, the Commission has taken note of the proposed funding arrangements for the purpose of the present Business Plan, while the admissible debt-equity structure, treatment of grants and associated tariff claims shall be determined in accordance with the provisions of the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.6.7. The Commission further directs the Petitioner to furnish the actual scheme-wise funding details, including equity infusion, loans availed, grants received and corresponding capitalisation, during the relevant tariff determination and truing-up proceedings for appropriate regulatory scrutiny.

2.6.8. In view of the above, the Commission approved the proposed capital expenditure and capitalization as indicated in the tables below. The capitalization shall be subject to prudence check at the time of truing-up in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

Table 37: Approved Capital Expenditure for NUHEP

Sl. No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	D-AVR/D-GOV/excitation/protection/SCADA upgrade Units I-II	0.00	4.50	10.50	0.00	15.00	0.00	0.00	0.00
2	Heavy duty Log Boom	0.00	2.19	5.12	7.31	0.00	0.00	0.00	0.00
3	TRCM at intake	0.00	0.66	1.54	0.00	2.20	0.00	0.00	0.00
4	New gate-operation SCADA	0.00	0.08	0.18	0.26	0.00	0.00	0.00	0.00
5	Instrumentation at Dam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	DG set 250 kVA at Dam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	**0**	**7.431**	**17.339**	**7.57**	**17.2**	**0**	**0**	**0**

Table 38: Approved Capitalisation for NUHEP

Sl. No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	D-AVR/D-GOV/excitation/protection/SCADA upgrade Units I-II	0.00	4.50	10.50	0.00	0.00	15.00	0.00	0.00
2	Heavy duty Log Boom	0.00	2.19	5.12	0.00	7.31	0.00	0.00	0.00
3	TRCM at intake	0.00	0.66	1.54	0.00	0.00	2.20	0.00	0.00
4	New gate-operation SCADA	0.00	0.08	0.18	0.26	0.00	0.00	0.00	0.00

Sl. No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
5	Instrumentation at Dam	0.00	0.80	1.86	2.65	0.00	0.00	0.00	0.00
6	DG set 250 kVA at Dam	0.00	0.12	0.28	0.40	0.00	0.00	0.00	0.00
	Total	**0**	**8.346**	**19.474**	**3.31**	**7.31**	**17.2**	**0**	**0**

2.7. Details of Works for Lakroh

Petitioner's Submission

2.7.1. The Petitioner has proposed various capital expenditure works at Lakroh Small Hydro Project for refurbishment and overhauling of the generating equipment, replacement of ageing auxiliary equipment and improvement of associated civil and electromechanical infrastructure. The proposed works are intended to address deterioration of existing components, improve the efficiency and reliability of the generating unit, enhance the useful life of equipment and ensure safe and efficient operation of the project. The major works proposed by the Petitioner are summarised below:

Table 39: Description of work for Lakroh

Sl. No.	Project / Work	Description / Scope and Justification	Estimated Cost (Rs. Cr.)	Funding
1	Refurbishment of Water Turbine Back Pressure Relieving System and Procurement of New 3.3 kV Equipment	Replacement of existing corroded pipelines and valves to address water leakage and prevent consequential damage to the generating equipment.	0.5	Equity
2	Overhauling of Generator, Turbine and Control System and Procurement of Transformer Oil & Lubricating Oil Filtration Machines	The machine has completed approximately 29,000 operating hours. Overhauling is proposed to improve efficiency and reliability, extend equipment life and prevent unforeseen breakdowns.	0.75	Equity
3	Procurement of New DG Set and Overhauling of 15 EOT Crane	Replacement of the existing DG set, which has been in service since erection and is stated to have become unreliable.	0.2	Equity
4	Procurement of New Battery Bank and Battery Charger	Replacement of the existing battery bank based on its expected service life to ensure reliable auxiliary DC supply.	0.2	Equity
5	Improvement of Power Channel with RCC Lining	Improvement of the power channel through RCC lining for efficient operation of the project.	1.14	—

Sl. No.	Project / Work	Description / Scope and Justification	Estimated Cost (Rs. Cr.)	Funding
6	Replacement of Gates with Motorised System	Replacement of existing gates with a motorised system to improve operation of the project.	0.72	—
7	Construction of Sausage Wall along Road to Powerhouse	Construction of a sausage wall along the road leading to the powerhouse as an associated civil work.	0.31	—

2.7.2. Projected capital expenditure and capitalisation for Lakroh are as follows:

Table 40: Proposed Capital Expenditure for Lakroh

Sl. No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Refurbishment of water Turbine back pressure relieving system, Procurement of new 3.3 kV over ground power cables including termination kit	0.00	0.50	0.00	0.00	0.00	0.00	0.00
2	Over hauling of Generator, Turbine and Control System of 1.5 MW Lakroh Mini Hydro Electric Project, Procurement of new transformer oil filtration machine & new lubricating oil filtration machine	0.00	0.75	0.75	0.00	0.00	0.00	0.00
3	Procurement of new DG set, Overhauling of 15 T EOT crane	0.00	0.20	0.00	0.20	0.00	0.00	0.00
4	Procurement of new battery bank including battery charger	0.00	0.20	0.00	0.00	0.00	0.00	0.20
5	Proposed improvement of Power Channel with RCC lining for Lakroh MHP	0.00	1.14	0.00	0.00	0.00	0.00	0.00
6	Proposed Replacement of gates at Lakroh MHP with motorized system	0.00	0.72	0.00	0.00	0.00	0.00	0.00
7	Proposed Construction of sausage Wall along the Road leading to power house of Lakroh MHP	0.00	0.31	0.00	0.00	0.00	0.00	0.00
Total		**0.00**	**3.82**	**0.75**	**0.20**	**0.00**	**0.00**	**0.20**

Table 41: Proposed Capitalisation for Lakroh

Sl No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Refurbishment of water Turbine back pressure relieving system, Procurement of new 3.3 kV over ground power cables including termination kit	0.00	0.50	0.50	0.00	0.00	0.00	0.00
2	Over hauling of Generator, Turbine and Control System of 1.5 MW Lakroh Mini Hydro Electric Project, Procurement of new transformer oil filtration machine & new lubricating oil filtration machine	0.00	0.75	0.00	0.75	0.00	0.00	0.00
3	Procurement of new DG set, Overhauling of 15 T EOT crane	0.00	0.20	0.00	0.00	0.20	0.00	0.00
4	Procurement of new battery bank including battery charger	0.00	0.20	0.00	0.00	0.00	0.00	0.20
5	Proposed improvement of Power Channel with RCC lining for Lakroh MHP	0.00	1.14	1.14	0.00	0.00	0.00	0.00
6	Proposed Replacement of gates at Lakroh MHP with motorized system	0.00	0.72	0.72	0.00	0.00	0.00	0.00
7	Proposed Construction of sausage Wall along the Road leading to powerhouse of Lakroh MHP	0.00	0.31	0.31	0.00	0.00	0.00	0.00
Total		**0.00**	**3.82**	**2.67**	**0.75**	**0.20**	**0.00**	**0.20**

Commission's Analysis

2.7.3. The Commission has examined the proposed capital expenditure for Lakroh Small Hydro Project. The Commission observes that the works relating to refurbishment of the water turbine back-pressure relieving system and procurement of 3.3 kV overground power cables, improvement of the power channel through RCC lining, and replacement of gates with a motorized system are scheduled for completion by March 2027, i.e., during FY 2026-27, whereas the Petitioner has proposed their capitalization in FY 2027-28. The Petitioner has stated that capitalization has been scheduled in the subsequent financial year to account for the formalities involved in recording the completed works in the books of accounts. Accordingly, the Commission has not considered the capitalization of these works under the Fifth Control Period at this stage. The Petitioner may submit the actual completion status, supporting documents and justification for the proposed capitalization at the time of the Mid-Term Review for consideration by the Commission.

2.7.4. With regard to the proposed construction of the sausage wall, estimated at Rs. 0.31

crore, the Commission observes that the end date indicated in the capital expenditure schedule is March 2027, whereas the capitalization schedule indicates March 2028. The Petitioner has clarified that the work is expected to be completed by March 2027, while capitalization has been scheduled in FY 2027-28 to account for the formalities involved in recording the completed work. Accordingly, the Commission has considered the capitalization in FY 2027-28, as indicated in the capitalization schedule, subject to verification of actual completion and the date on which the asset is put to use at the time of truing-up, in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.7.5. With regard to the discrepancy between the capital expenditure figures reported in Table 7 and Table 24 of the Petition, the Petitioner vide response to second additional information sought by the Commission, has clarified that the discrepancy arose due to an inadvertent linking error. The Petitioner has revised the capital expenditure for Lakroh for FY 2026-27 from Rs. 3.42 crore to Rs. 2.67 crore and furnished the corresponding work-wise break-up along with a revised Table 7. The Commission has taken note of the revised figures and considered the corrected capital expenditure schedule submitted by the Petitioner.

2.7.6. The Commission observes that the Petitioner has indicated the proposed funding through grants and equity, with no loan component considered at this stage, as the requirement for raising loans has not yet been determined. The Petitioner has further clarified that, for tariff purposes, it intends to claim the normative debt-equity ratio of 70:30. Accordingly, for the purpose of considering the capital expenditure and capitalization, the Commission has considered the funding indicated as equity in the normative debt-equity ratio of 70:30, after accounting for applicable grants, wherever admissible. The actual funding pattern shall be verified at the time of truing-up in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.7.7. The Commission further directs the Petitioner to furnish the actual scheme-wise funding details, including equity infusion, loans availed, grants received and corresponding capitalization, during the relevant tariff determination and truing-up proceedings for appropriate regulatory scrutiny.

2.7.8. In view of the above, the Commission has considered the proposed capital expenditure and capitalization for Lakroh Small Hydro Project, as shown in the tables below. The capitalization considered shall be subject to prudence check at the time of truing-up in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

Table 42: Approved Capital Expenditure for Lakroh

Sl. No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Refurbishment of water Turbine back pressure relieving system, Procurement of new 3.3 kV over ground power cables including termination kit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Over hauling of Generator, Turbine and Control System of 1.5 MW Lakroh Mini Hydro Electric Project, Procurement of new transformer oil filtration machine & new lubricating oil filtration machine	0.00	0.23	0.53	0.75	0.00	0.00	0.00	0.00
3	Procurement of new DG set, Overhauling of 15 T EOT crane	0.00	0.06	0.14	0.00	0.20	0.00	0.00	0.00
4	Procurement of new battery bank including battery charger	0.00	0.06	0.14	0.00	0.00	0.00	0.00	0.20
5	Proposed improvement of Power Channel with RCC lining for Lakroh MHP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Proposed Replacement of gates at Lakroh MHP with motorized system	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Proposed Construction of sausage Wall along the Road leading to power house of Lakroh MHP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		**0.00**	**0.35**	**0.81**	**0.75**	**0.20**	**0.00**	**0.00**	**0.20**

Table 43: Approved Capitalisation for Lakroh

Sl No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Refurbishment of water Turbine back pressure relieving system, Procurement of new 3.3 kV over ground power cables including termination kit	0.00	0.15	0.35	0.50	0.00	0.00	0.00	0.00

Sl No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
2	Over hauling of Generator, Turbine and Control System of 1.5 MW Lakroh Mini Hydro Electric Project, Procurement of new transformer oil filtration machine & new lubricating oil filtration machine	0.00	0.23	0.53	0.00	0.75	0.00	0.00	0.00
3	Procurement of new DG set, Overhauling of 15 T EOT crane	0.00	0.06	0.14	0.00	0.00	0.20	0.00	0.00
4	Procurement of new battery bank including battery charger	0.00	0.06	0.14	0.00	0.00	0.00	0.00	0.20
5	Proposed improvement of Power Channel with RCC lining for Lakroh MHP	0.00	0.34	0.80	1.14	0.00	0.00	0.00	0.00
6	Proposed Replacement of gates at Lakroh MHP with motorized system	0.00	0.22	0.50	0.72	0.00	0.00	0.00	0.00
7	Proposed Construction of sausage Wall along the Road leading to powerhouse of Lakroh MHP	0.00	0.09	0.22	0.31	0.00	0.00	0.00	0.00
Total		**0.00**	**1.15**	**2.67**	**2.67**	**0.75**	**0.20**	**0.00**	**0.20**

2.8. Details of Works for Sonapani

Petitioner's Submission

2.8.1. The Petitioner has proposed capital expenditure of Rs. 4.12 crore for Sonapani Mini Hydel Electric Project towards the following works:

1. Installation of an automated trash collection, screening and ropeway-based waste evacuation system at the Sonapani Mini Hydel Electric Project, Lum Kshaid, East Khasi Hills.
2. Reconstruction of the collapsed Umshyrpi power channel.

2.8.2. Projected capital expenditure and capitalisation for Sonapani are as follows:

Table 44: Proposed Capital Expenditure for Sonapani

Sl. No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Proposal for an automated trash collection, screening and ropeway-based waste evacuation system at the Sonapani Mini Hydel Electric Project, Lum Kshaid, East Khasi Hills	0.00	0.74	0.00	0.00	0.00	0.00	0.00
2	Reconstruction of collapsed Umshyrpi power channel	0.00	3.38	3.38	0.00	0.00	0.00	0.00
	Total	**0.00**	**4.12**	**3.38**	**0**	**0**	**0**	**0**

Table 45: Proposed Capitalisation for Sonapani

Sl. No.	Name of Work	Grants	Equity	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Proposal for an automated trash collection, screening and ropeway-based waste evacuation system at the Sonapani Mini Hydel Electric Project, Lum Kshaid, East Khasi Hills	0.00	0.74	0.74	0.00	0.00	0.00	0.00
2	Reconstruction of collapsed Umshyrpi power channel	0.00	3.38	0.00	3.38	0.00	0.00	0.00
	Total	**0.00**	**4.12**	**0.74**	**3.38**	**0.00**	**0.00**	**0.00**

Commission's Analysis

2.8.3. The Commission has examined the proposed capital expenditure for Sonapani Mini Hydel Electric Project, comprising the installation of an automated trash collection, screening and ropeway-based waste evacuation system, and reconstruction of the collapsed Umshyrpi power channel.

2.8.4. The Commission observes that the end date indicated in the capitalization schedule for reconstruction of the Umshyrpi power channel is March 2028, while the Petitioner has proposed capitalization in FY 2028-29. The Commission has taken note of the Petitioner's clarification that capitalization is proposed upon completion of the entire work. Accordingly, for the purpose of considering capitalization during the Control Period, the Commission has considered the completion date/end date indicated in the capitalization table as the proposed date of completion and putting the asset to use, subject to verification of actual completion and the date on which the asset is put to use at the time of truing-up, in

accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.8.5. With regard to the discrepancy between the work-wise capital expenditure and capitalization schedules in Table 22 and Table 23 and the consolidated figures in Table 7, the Commission had observed that Table 22 indicated capital expenditure of Rs. 1.69 crore for FY 2027-28, whereas no corresponding capital expenditure was reflected for Sonapani MHP in the consolidated Table 7. In response, the Petitioner clarified that the discrepancy had arisen due to an inadvertent linking error in the Excel workings, whereby Rs. 1.69 crore against reconstruction of the collapsed Umshyrpi power channel had been incorrectly reflected in FY 2026-27. The Petitioner submitted that the error had been rectified and furnished a revised Table 7 to its reply.

2.8.6. The Commission has taken note of the Petitioner's clarification regarding the inadvertent linking error and the submission of the revised Table 7. Accordingly, the capital expenditure figures for Sonapani MHP shall be considered with reference to the revised consolidated schedule, read along with the work-wise capital expenditure and capitalization schedules. The Petitioner shall ensure consistency between the consolidated and work-wise schedules in all future submissions.

2.8.7. The Commission observes that the Petitioner has indicated the proposed funding through grants and equity, with no loan component considered at this stage, as the requirement for raising loans has not yet been determined. The Petitioner, in response to additional queries raised by the Commission, has further clarified that, since no decision has been taken regarding the requirement for debt financing, the proposed capital expenditure, excluding grants, has been entirely indicated as equity. The Petitioner has further submitted that, for tariff purposes, it intends to claim the normative debt-equity ratio of 70:30.

2.8.8. The Commission observes that the funding pattern submitted by the Petitioner is indicative in nature and does not necessarily represent the actual financing structure of the proposed schemes. Accordingly, the Commission has taken note of the proposed funding arrangements for the purpose of the present Business Plan, while the admissible debt-equity structure, treatment of grants and associated tariff claims shall be determined in accordance with the provisions of the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

2.8.9. The Commission further directs the Petitioner to furnish the actual scheme-wise funding details, including equity infusion, loans availed, grants received and corresponding capitalization, during the relevant tariff determination and truing-up proceedings for appropriate regulatory scrutiny.

2.8.10. In view of the above, the Commission has considered the proposed capital expenditure and capitalization for Sonapani Mini Hydel Electric Project, as shown in the tables below. The same shall be subject to prudence check at the time of truing-up in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

Table 46: Approved Capital Expenditure for Sonapani

Sl. No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Proposal for an automated trash collection, screening and ropeway-based waste evacuation system at the Sonapani Mini Hydel Electric Project, Lum Kshaid, East Khasi Hills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Reconstruction of collapsed Umshyrpi power channel	0.00	1.01	2.37	3.38	0.00	0.00	0.00	0.00
	Total	**0**	**1.01**	**2.37**	**3.38**	**0**	**0**	**0**	**0**

Table 47: Approved Capitalisation for Sonapani

Sl No.	Name of Work	Grants	Equity	Loan	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
1	Proposal for an automated trash collection, screening and ropeway-based waste evacuation system at the Sonapani Mini Hydel Electric Project, Lum Kshaid, East Khasi Hills	0.00	0.22	0.52	0.74	0.00	0.00	0.00	0.00
2	Reconstruction of collapsed Umshyrpi power channel	0.00	1.01	2.37	0.00	3.38	0.00	0.00	0.00
	Total	**0.00**	**1.24**	**2.88**	**0.74**	**3.38**	**0.00**	**0.00**	**0.00**

3. Approved Capital Expenditure and Capitalization for control period FY 2028-29 to FY 2031-32

3.1.1. The Commission has examined the Petition and the Petitioner's replies to the additional information sought in respect of the proposed capital expenditure and capitalization for the Fifth Control Period. The Commission notes that the Petitioner has furnished revised capital expenditure and capitalization schedules, station-wise operational data and certain supporting documents in response to the Commission's queries. However, for several proposed works, the Petitioner has stated that the Business Plan has been prepared based on estimates and assumptions and that detailed technical assessments, cost-benefit analyses, OEM recommendations, cost estimates, approvals and other supporting documents would be furnished at a later stage, particularly at the time of actual execution and capitalization.

3.1.2. The Commission has taken note of the Petitioner's submissions and has considered the proposed capital expenditure and capitalization for the Fifth Control Period as specified in the station-wise analysis above.

3.1.3. The Commission observes that the completion dates and capitalization schedules for certain works are not aligned. Accordingly, the Commission has considered in-principle capitalization schedule furnished by the Petitioner for the Fifth Control Period, subject to verification of actual completion, date of assets being put to use and supporting documents during the relevant tariff determination and truing-up proceedings, in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026.

3.1.4. With regard to the amount of Rs. 6.37 crore proposed under the head "Common Old Stations", the Commission observes that the Petitioner vide response to additional submission has clarified that the proposed expenditure comprises Rs. 0.20 crore towards installation of lighting masts at the old power stations and Rs. 6.17 crore towards upgradation of the communication systems of the old power stations. The Petitioner has further submitted that the station-wise break-up of the proposed works would be available at the time of actual execution.

3.1.5. The Commission has taken note of the Petitioner's clarification and has considered the proposed expenditure of Rs. 6.37 crore under "Common Old Stations" in-principle under the Fifth Control Period. Such consideration shall be subject to submission and verification of the station-wise and work-wise details, actual scope of works undertaken and expenditure incurred, along with the relevant supporting documents, during the applicable tariff determination and truing-up proceedings.

3.1.6. With regard to the Dam Rehabilitation and Improvement Project (DRIP), the Commission observes that the Petitioner has clarified that the project is funded through 80% funding from the Government of India and 20% counterpart funding from the State Government. Out of the 80% Government of India funding, 90% is provided as grant and the remaining 10% as loan, while the 20% State Government

counterpart contribution is provided as equity. Accordingly, the Petitioner has considered 72% of the total project cost as grant and the balance 28% as equity in the funding schedules. The Commission has taken note of the funding structure submitted by the Petitioner.

3.1.7. The Commission further observes that, against the total DRIP project cost of Rs. 441.00 crore, the consolidated capital expenditure schedule reflects Rs. 356.75 crore during FY 2026-27 to FY 2031-32. In this regard, the Petitioner has clarified that works amounting to Rs. 84.25 crore have already been completed and, accordingly, only the balance amount has been considered as capital expenditure during the Fifth Control Period. The Petitioner has further submitted that the entire project is proposed to be capitalized in FY 2030-31 upon completion of the project. The Commission has taken note of the Petitioner's clarification and has considered the DRIP capital expenditure and capitalization as submitted by the Petitioner in-principle under the Fifth Control Period, including the proposed funding pattern and capitalization in FY 2030-31. Such consideration shall remain subject to verification of the actual funding received, treatment of the loan, grant and equity components, actual expenditure incurred, completion of the project and capitalization of the assets, based on supporting documents to be furnished by the Petitioner during the relevant tariff determination and truing-up proceedings.

3.1.8. The consideration of the proposed expenditure at the Business Plan stage shall be subject to verification and prudence check at the time of truing-up. The Petitioner is also directed to submit the requisite technical and financial justification, cost-benefit analysis, cost-rationalization details, approvals, funding particulars and other relevant supporting documents, as applicable, at the time of the Mid-Term Review for examination by the Commission.

3.1.9. The actual expenditure on cash basis and capitalization shall remain subject to verification of the works undertaken, their completion and date of being put to use, reconciliation of capital expenditure and capitalization, treatment of grants and other funding sources, and prudence check at the time of truing-up, in accordance with the MSERC (Multi Year Tariff) (5 of 2026) Regulations, 2026. Accordingly, the capital investment plan for MePGCL for the Control Period FY 2027-28 to FY 2031-32 is as under:

Investment Plan Approved for MePGCL for MYT Control period FY 2027-28 to FY 2031-32

Sl. No.	Name of the Scheme	Project Start Date (DD-MM-YY)	Project Completion Date (DD-MM-YY)	Total Capital Expenditure approved by MSERC/Govt/DPR/FI(R	Project Outlay in FY 2027-28(projected)	Project Outlay in FY 2028-29(projected)	Project Outlay in FY 2029-30 (projected)	Project Outlay in FY 2030-31 (projected)	Project Outlay in FY 2031-32 (projected)	Equity Component	Source of financing for the scheme				
											Debt Component				Capital/Subsidies/grant components
											Loan Amount		Loan Source		
											Loan 1	Loan 2	Loan 1	Loan 2	
A	**Umiam Stage-I HEP**														
1	Over hauling of Unit III & Unit IV (Umiam Stage I Power Station)	2027	Mar-28	15.00	15.00	0.00	0.00	0.00	0.00	4.50	10.50	-	-	-	-
2	Upgradation of AVR & Governor System for Unit III & Unit IV (Umiam Stage I Power Station)	2027	Mar-28	10.00	10.00	0.00	0.00	0.00	0.00	3.00	7.00	-	-	-	-
3	Over hauling of Unit I & Unit II along with Upgradation of AVR & Governor System for Unit I & Unit II(Umiam Stage I Power Station)	2028	Mar-29	25.00	0.00	25.00	0.00	0.00	0.00	7.50	17.50	-	-	-	-
4	Installation of Complete New SCADA System along with integration of field elements including control and protection system for Unit 1 and Unit 2	2029	Mar-30	20.00	0.00	0.00	20.00	0.00	0.00	-	-	-	-	-	20.00
5	Replacement of the existing field elements of Unit 3 and Unit 4 with compatable one for integration with SCADA system for Control and Protection system	2030	Mar-31	25.00	0.00	0.00	0.00	25.00	0.00	-	-	-	-	-	25.00
				95.00	**25.00**	**25.00**	**20.00**	**25.00**	**0.00**	**15.00**	**35.00**	**0.00**	**0.00**	**0.00**	**45.00**
B	**Umiam Stage-II HEP**														

Sl. No.	Name of the Scheme	Project Start Date (DD-MM-YY)	Project Completion Date (DD-MM-YY)	Total capital Expenditure approved by MSERC/Govt/DPR/FI(R	Project Outlay in FY 2027-28(projected)	Project Outlay in FY 2028-29(projected)	Project Outlay in FY 2029-30 (projected)	Project Outlay in FY 2030-31 (projected)	Project Outlay in FY 2031-32 (projected)	Equity Component	Source of financing for the scheme				
											Debt Component				Capital/Subsidies/grant components
											Loan Amount		Loan Source		
											Loan 1	Loan 2	Loan 1	Loan 2	
1	Installation of Complete Scada System (Umiam Stage II Power Station)	2028	Mar-29	15.00	10.00	5.00	0.00	0.00	0.00	-	-	-	-	-	15.00
2	Upgradation of AVR & Governor System for Unit I(Umiam Stage II Power Station)	2029	Mar-30	10.00	0.00	10.00	0.00	0.00	0.00	3.00	7.00	-	-	-	-
3	Upgradation of AVR & Governor System for Unit II(Umiam Stage II Power Station)	2030	Mar-31	10.00	0.00	0.00	10.00	0.00	0.00	3.00	7.00	-	-	-	-
				35.00	**10.00**	**15.00**	**10.00**	**0.00**	**0.00**	**6.00**	**14.00**	**0.00**	**0.00**	**0.00**	**15.00**
C	**Umiam Stage-III HEP**														
1	Re-Engineering of 132 KV Bus of Stage-III Power Station	2028	Mar-29	3.00	1.00	2.00	0.00	0.00	0.00	0.90	2.10	-	-	-	-
2	Construction of lift from control room to 132 KV switchyard	2029	Mar-30	5.00	0.00	1.00	4.00	0.00	0.00	1.50	3.50	-	-	-	-
				8.00	**1.00**	**3.00**	**4.00**	**0.00**	**0.00**	**2.40**	**5.60**	**0.00**	**0.00**	**0.00**	**0.00**
D	**Umiam Stage IV HEP**														
1	RMU of Stage-IV Power Station	2032	2034-35	50.00	0.00	0.00	0.00	0.00	50.00	15.00	35.00	-	-	-	-
2	Capital Overhaling of Unit-I of Stage-IV Power Station	Mar-27	2028	6.50	6.50	0.00	0.00	0.00	0.00	1.95	4.55	-	-	-	-
3	Bay Extension of 132KV switch yard along with installation of 10MVA transformer and associated terminals equipments for obtaining dedicated and reliable power supply for the station	Mar-27	2028	50.00	50.00	0.00	0.00	0.00	0.00	15.00	35.00	-	-	-	-

Sl. No.	Name of the Scheme	Project Start Date (DD-MM-YY)	Project Completion Date (DD-MM-YY)	Total capital Expenditure approved by MSERC/Govt/DPR/FI(R	Project Outlay in FY 2027-28(projected)	Project Outlay in FY 2028-29(projected)	Project Outlay in FY 2029-30 (projected)	Project Outlay in FY 2030-31 (projected)	Project Outlay in FY 2031-32 (projected)	Equity Component	Source of financing for the scheme				
											Debt Component				Capital/Subsidies/grant components
											Loan Amount		Loan Source		
											Loan 1	Loan 2	Loan 1	Loan 2	
				106.50	**56.50**	**0.00**	**0.00**	**0.00**	**50.00**	**31.95**	**74.55**	**0.00**	**0.00**	**0.00**	**0.00**
E	**Myntdu Leshka HEP**														
1	Cooling water piping arrangement to facilitate open loop cooling system for Unit-1, 2, 3 , Extension of dewatering pipe line to Lynriang river for unit-1 & unit-2 of Myntdu-Leshka Stage-I Power Station.	2026	Mar-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-
2	Painting of Unit-2 & Unit-3 turbine under water embeded components of Myntdu-Leshka Stage-I Power Station, Procurement of new DG set including installation & commissioning, Procurement of new OPU piston accumulators including installation	2026	Mar-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-
3	Upgradation of SCADA Hardware and associated components of Myntdu-Leshka Stage-I Power Station, Procurement of New 1070 AH, 220 VDC battery bank-2 including charger	2027	Mar-28	13.00	13.00	0.00	0.00	0.00	0.00	3.90	9.10	-	-	-	-

Sl. No.	Name of the Scheme	Project Start Date (DD-MM-YY)	Project Completion Date (DD-MM-YY)	Total capital Expenditure approved by MSERC/Govt/DPR/FI(R	Project Outlay in FY 2027-28(projected)	Project Outlay in FY 2028-29(projected)	Project Outlay in FY 2029-30 (projected)	Project Outlay in FY 2030-31 (projected)	Project Outlay in FY 2031-32 (projected)	Equity Component	Source of financing for the scheme				
											Debt Component				Capital/Subsidies/grant components
											Loan Amount		Loan Source		
											Loan 1	Loan 2	Loan 1	Loan 2	
4	Procurement of New excitation transformer, Construction of 33KV arrangement for idle charging of the spare 11/132KV, 17.5MVA Generator Transformer for Myntdu-Leshka Stage-I Power Station, Overhauling of 150/30 T EOT crane in power house and 15 T EOT crane in PPV house, Strengtheninng of power house earthing system inlcuding switch yard & PPV house, Replacement of the corroded HVAC ducts	2027	Mar-28	2.00	2.00	0.00	0.00	0.00	0.00	0.60	1.40	-	-	-	-
5	Procurement of new Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-1 for Myntdu Leshka Stage-I Power Station	2027	Mar-28	51.00	51.00	0.00	0.00	0.00	0.00	15.30	35.70	-	-	-	-
6	Refurbishment of the existing Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-2 for Myntdu Leshka Stage-I Power Station	2028	Mar-30	40.00	0.00	20.00	20.00	0.00	0.00	12.00	28.00	-	-	-	-

Sl. No.	Name of the Scheme	Project Start Date (DD-MM-YY)	Project Completion Date (DD-MM-YY)	Total capital Expenditure approved by MSERC/Govt/DPR/FI(R	Project Outlay in FY 2027-28(projected)	Project Outlay in FY 2028-29(projected)	Project Outlay in FY 2029-30 (projected)	Project Outlay in FY 2030-31 (projected)	Project Outlay in FY 2031-32 (projected)	Equity Component	Source of financing for the scheme				
											Debt Component				Capital/Subsidies/grant components
											Loan Amount		Loan Source		
											Loan 1	Loan 2	Loan 1	Loan 2	
7	Refurbishment of the existing Main Inlet Valve and Penstock Protection Valve and also procurement of wear and tear components for rectification of Penstock Protection Valve and Main Inlet Valve for Unit-3 for Myntdu Leshka Stage-I Power Station, Renovation of all SSBs, & UABs	2029	Mar-31	41.00	0.00	0.00	20.00	21.00	0.00	12.30	28.70	-	-	-	-
8	Installation of New Draft tube and PRV gate for all the three Units	2030	Mar-31	10.00	0.00	0.00	0.00	5.00	5.00	3.00	7.00	-	-	-	-
9	Replacement of the corroded components of the lattice structure in switch yard, Renovation of the power house elevator, Procurement & installation of Drainage & Dewatering pump sets (vertical turbine type)	2031	Mar-32	16.35	0.00	0.00	0.00	0.00	16.35	4.91	11.45	-	-	-	-
10	Estimate for Repainting the external Surface of Penstock Pipes (3 Nos) of Myntdu Leshka Stage I	Dec-27	Dec-29	4.50	1.00	3.50	0.00	0.00	0.00	1.35	3.15	-	-	-	-
11	Dedicated testing equipment for MLHEP	Dec-28	Mar-29	6.26	0.00	6.26	0.00	0.00	0.00	1.88	4.38	-	-	-	-
	Estimate for the Work providing Water from Additional Source (Tyrchi River) For Cooling System of Power House of Myntdu Leshka Stage-I	Oct-27	Oct-29	7.65	2.55	2.55	2.55	0.00	0.00	2.30	5.36	-	-	-	-
				191.76	**69.55**	**32.31**	**42.55**	**26.00**	**21.35**	**57.53**	**134.23**	**0.00**	**0.00**	**0.00**	**0.00**

Sl. No.	Name of the Scheme	Project Start Date (DD-MM-YY)	Project Completion Date (DD-MM-YY)	Total capital Expenditure approved by MSERC/Govt/DPR/FI(R	Project Outlay in FY 2027-28(projected)	Project Outlay in FY 2028-29(projected)	Project Outlay in FY 2029-30 (projected)	Project Outlay in FY 2030-31 (projected)	Project Outlay in FY 2031-32 (projected)	Equity Component	Source of financing for the scheme				
											Debt Component				Capital/Subsidies/grant components
											Loan Amount		Loan Source		
											Loan 1	Loan 2	Loan 1	Loan 2	
F	**New Umtru HEP**														
1	D-AVR/D-GOV/excitation/protection/SCADA upgrade Units I-II	Apr-28	Mar-29	15.00	0.00	0.00	15.00	0.00	0.00	4.50	10.50	-	-	-	-
2	Heavy duty Log Boom	Jun-27	Dec-27	7.31	0.00	7.31	0.00	0.00	0.00	2.19	5.12	-	-	-	-
3	TRCM at intake	Jan-28	Jun-28	2.20	0.00	0.00	2.20	0.00	0.00	0.66	1.54	-	-	-	-
4	New gate-operation SCADA	Jan-27	Jun-27	0.26	0.26	0.00	0.00	0.00	0.00	0.08	0.18	-	-	-	-
5	Instrumentation at Dam	Mar-27	Mar-27	2.65	2.65	0.00	0.00	0.00	0.00	0.80	1.86	-	-	-	-
6	DG set 250 kVA at Dam	Jun-27	Dec-27	0.40	0.40	0.00	0.00	0.00	0.00	0.12	0.28	-	-	-	-
7	CCTV in Power House and Dam	Jun-27	Dec-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-
				27.82	**3.31**	**7.31**	**17.20**	**0.00**	**0.00**	**8.35**	**19.47**	**0.00**	**0.00**	**0.00**	**0.00**
G	**Sonapani Mini Hydel Electric Project**														
1	Proposal for an automated trash collection, screening and ropeway-based waste evacuation system at the Sonapani Mini Hydel Electric Project, Lum Kshaid, East Khasi Hills.	Oct-26	Mar-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-
2	Proposed reconstruction of the collapsed umshyrpi power channel	Apr-27	Mar-28	3.38	3.38	0.00	0.00	0.00	0.00	1.01	2.37	-	-	-	-
				3.38	**3.38**	**0.00**	**0.00**	**0.00**	**0.00**	**1.01**	**2.37**	**0.00**	**0.00**	**0.00**	**0.00**
H	**Lakroh MHP**														

Sl. No.	Name of the Scheme	Project Start Date (DD-MM-YY)	Project Completion Date (DD-MM-YY)	Total capital Expenditure approved by MSERC/Govt/DPR/FI(R	Project Outlay in FY 2027-28(projected)	Project Outlay in FY 2028-29(projected)	Project Outlay in FY 2029-30 (projected)	Project Outlay in FY 2030-31 (projected)	Project Outlay in FY 2031-32 (projected)	Equity Component	Source of financing for the scheme				
											Debt Component				Capital/Subsidies/grant components
											Loan Amount		Loan Source		
											Loan 1	Loan 2	Loan 1	Loan 2	
1	Refurbishment of water Turbine back pressure relieving system Procurement of new 3.3 kV over ground power cables including termination kit	Dec-26	Mar-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-
2	Over hauling of Generator, Turbine and Control System of 1.5 MW Lakroh Mini Hydro Electric Project, Procurement of new transformer oil filtration machine & new lubricating oil filtraion machine	Dec-27	Mar-28	0.75	0.75	0.00	0.00	0.00	0.00	0.23	0.53	-	-	-	-
3	Procurement of new DG set, Overhauling of 15 T EOT crane,	Dec-28	Mar-29	0.20	0.00	0.20	0.00	0.00	0.00	0.06	0.14	-	-	-	-
4	Procurement of new battery bank including battery charger	Jun-31	Mar-32	0.20	0.00	0.00	0.00	0.00	0.20	0.06	0.14	-	-	-	-
5	Proposed improvement of Power Channel with RCC lining for Lakroh MHP.	Dec-26	Mar-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-
6	Proposed Replacement of gates at Lakroh MHP with motorised system.	Dec-26	Mar-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-
7	Proposed Construction of sausage Wall along the Road leading to power house of Lakroh MHP.	Dec-26	Mar-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-
				1.15	**0.75**	**0.20**	**0.00**	**0.00**	**0.20**	**0.35**	**0.81**	**0.00**	**0.00**	**0.00**	**0.00**
I	**Generation System Protection Division**											-	-	-	-

Sl. No.	Name of the Scheme	Project Start Date (DD-MM-YY)	Project Completion Date (DD-MM-YY)	Total capital Expenditure approved by MSERC/Govt/DPR/FI(R	Project Outlay in FY 2027-28(projected)	Project Outlay in FY 2028-29(projected)	Project Outlay in FY 2029-30 (projected)	Project Outlay in FY 2030-31 (projected)	Project Outlay in FY 2031-32 (projected)	Equity Component	Source of financing for the scheme				
											Debt Component				Capital/Subsidies/grant components
											Loan Amount		Loan Source		
											Loan 1	Loan 2	Loan 1	Loan 2	
	Providing of lightning mast in all power stations under MePGCL			0.20	0.20	-	-	-	-	0.06	0.14	-	-	-	-
	Upgradation of Communication System of all power station under MepGCL			6.17	-	6.17	-	-	-	1.85	4.32	-	-	-	-
				6.37	**0.20**	**6.17**	**0.00**	**0.00**	**0.00**	**1.91**	**4.46**	**0.00**	**0.00**	**0.00**	**0.00**
J	**DRIP**			286.69	70.00	70.00	75.00	71.69	-	-	-	-	-	-	286.69
				761.67	**239.69**	**158.99**	**168.75**	**122.69**	**71.55**	**124.49**	**290.49**	**0.00**	**0.00**	**0.00**	**346.69**

4. Applicability of the Order

This Order shall come into effect from 1st April 2027.

The Petition of Meghalaya Power Generation Corporation Limited in Case No. 8 of 2026 stands disposed of accordingly.

Sd/-
Chandan Kumar Mondol
Chairman