



JAGDULLA HYDROPOWER COMPANY LIMITED

जगदुल्ला हाईड्रोपावर कम्पनी लिमिटेड

Annual Progress Report 2081/82

नेपालको पानी, जनताको लगानी

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1. Introduction

1.1 Brief Description of Company

The Government of Nepal aims to develop the country's hydropower potential in an economically efficient and sustainable way to meet the growing electricity demand. To achieve this, the government has taken the initiative to establish a company that will develop sustainable hydropower projects and attract a wide range of investors from Nepal and abroad. These projects will be developed under the Public-Private Partnership (PPP) and BOOT (Build-Own-Operate-Transfer) models, especially focusing on large-scale hydropower development.

Jagdulla Hydropower Company Limited (JHCL) is a public limited company established in 2017 to utilize Nepal's hydropower resources effectively. The goal is to generate electricity at reasonable costs by using available technical and financial resources within the country. The company is currently planning to develop a large-capacity hydropower project in Karnali Province.

To support this mission, Vidhyut Utpadan Company Limited (VUCL) was established and registered under the Company Act 2063 BS at the Department of Industries, Government of Nepal. JHCL was set up in 2017 as a subsidiary company of VUCL to develop the Jagdulla Peaking Run-of-River Hydroelectric Project (JHEP).

Jagdulla Hydropower Company Limited (JHCL) was officially registered on Jestha 16, 2074 BS, as a public limited company under the Nepalese Companies Act 2063. The company was formed with public-private shareholding, including VUCL, HIDCL, NEA, Karnali Province, Jagdulla and Mudkechula Rural Municipalities, and the general public. Its purpose is to plan, promote, organize, and implement the 106 MW Jagdulla Hydroelectric Project (JHEP), located on the Jagdulla River in Dolpa District. The project site is about 748.3 kilometers from Kathmandu via Nepalgunj.

The current shareholding structure and board members of the company are presented below.

Capital structure

S. N.	Company capital structure	NPR
1.	Authorized Capital	8 Arab
2.	Issued Capital	7.1 Arab
3.	Paid-up Capital	1.66 Arab

1.2 Share structure

After the Revision of Company Regulation 2078 from the Special AGM of Jagdulla Hydropower Company Limited on 2078/10/24, here is the updated Share Structure of the Company.

Promoters share holding

Promoters	Total percentage	Percentage of equity
VUCL	51%	26
HIDCL		10
NEA		9
Karnali Province		5
Jagdulla/ Mudkechula RM		1

Public shares

Description	Total percentage	Percentage of shareholding
Overall District	49%	33%
Project affected local people (Dolpa District)		10%
TL affected people		3%
JHCL Employee		3%

Board Members and Management Team

Jagdulla holds well-experienced board members and a management team for the execution of timely completion of the project. The board and team members with their names and designations are presented below:

As per the Third Revised Company Regulation 2078, the number of Board Members will be 7. Here is the Details of the representative from the Respective Organizations.

SN	Organization	No of Board Members	Remarks
1	VUCL	2	
2	HIDCL	1	
3	NEA	1	
4	Independent Director (Infra)	1	

2. Projects Under JHCL

2.1 Jagdulla PRoR Hydroelectric project (106 MW)

2.1.1 Background

The **Jagdulla Hydroelectric Project (JHEP)** is being developed by **Jagdulla Hydropower Company Limited (JHCL)** to supply electricity during peak demand hours. The project is designed as a **Peaking Run-of-River (PRoR)** type, which allows better utilization of available water resources to meet peak power requirements.

To support the development of this project, the contract for the **Detailed Engineering Study** was awarded to **NEA Engineering Company Limited (NEC)** – a subsidiary of the Nepal Electricity Authority (NEA). NEC completed the detailed engineering design and technical studies required for the project.

The completion of the detailed study marks a major milestone in the development of JHEP, helping to ensure technical soundness and economic viability. The study includes detailed designs of major project components such as the diversion structure, desilting basin, headrace tunnel, surge shaft, penstock, powerhouse, and tailrace system, along with access roads and transmission lines.

This progress paves the way for the next stages of the project, including financial closure, procurement, and the start of construction activities.

2.1.2 Project Overview

The **Jagdulla Hydroelectric Project (JHEP)** is located in the upper region of the **Jagdulla River**, within **Jagdulla and Mudkechula Rural Municipalities** in the high-mountainous area of **Dolpa District, Karnali Province, Nepal**. The project site is situated approximately **750 kilometers west of Kathmandu**.

According to the **Desk Study Report (DSR)**, the project was initially envisioned as a **storage-type hydropower project** with an installed capacity of **307 MW**. However, after further technical and environmental assessments, it was later optimized and redesigned as a **Peaking Run-of-River (PRoR)** project with a capacity of **106 MW**, considering geographical, hydrological, and environmental factors.

The project boundary is geographically located between **29°03'16" and 29°07'53" North latitude**, and **82°33'43" to 82°38'00" East longitude**.

The **proposed dam site** of the project lies within **Jagdulla Rural Municipality**, while the **powerhouse location** falls in **Mudkechula Rural Municipality**. This distribution of major components across two rural municipalities highlights the importance of local coordination, stakeholder engagement, and community participation during planning and construction phases.

The project area, although remote and mountainous, has significant hydropower potential due to the steep river gradient and reliable flow conditions, which makes JHEP a strategically important project for Nepal's power development plan – particularly for boosting energy supply during peak demand hours and contributing to regional development in Karnali Province.

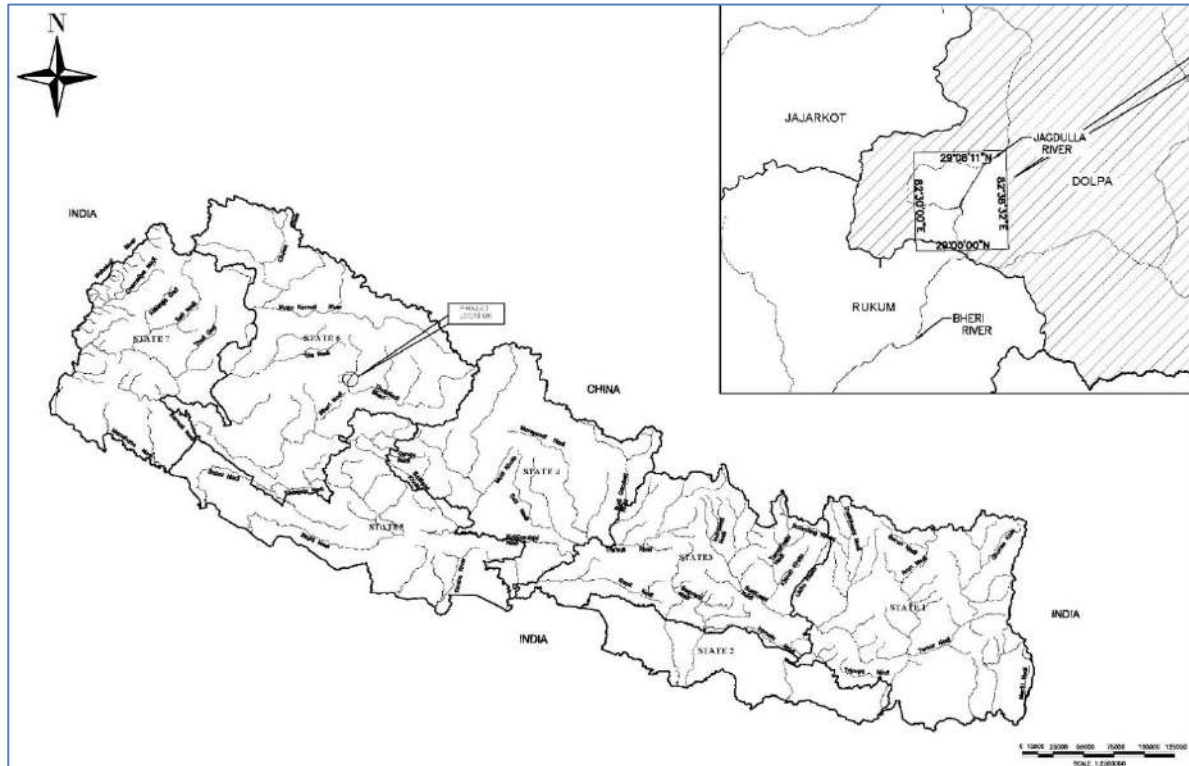


Figure 0: Project Location Map of JHEP

2.1.3 Accessibility

The nearest all-weather road available from the project site is at Triveni, the confluence of the Jagdulla River and the Bheri River along Khalanga (Jajarkot) - Dunai Road. The powerhouse area (IIa) of the project is located approximately 12 km from Triveni. The track of the access road has been in progress to open and hence needs to be upgraded from Triveni to powerhouse site. At least two bridges are required along the access road for all weather access from Triveni to IIa. Similarly, a road is being constructed from the powerhouse site to approach the dam site by the local authorities. A new approach track has been opened from Jumla to Hurikot, which is near the dam site of JHEP. This newly opened track is operational for some part of dry months of the year since 2017. The nearest airport to the project site is at Juphal, Dolpa.

The accessibility map of the project area is shown in **Figure 1**.

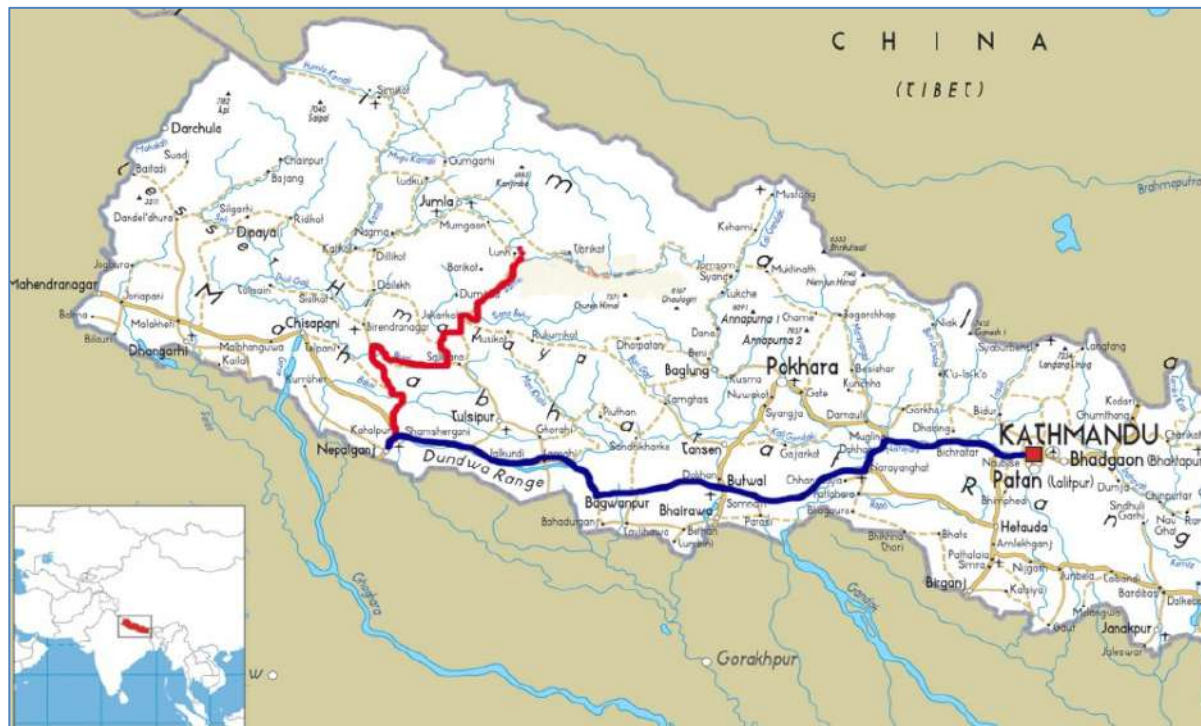


Figure 1: Accessibility of JHEP from Kathmandu

2.1.4 Project General Layout

The **Jagdulla Hydroelectric Project (JHEP)** is divided into three main work sites: the Headworks Site, Underground Works 1, and Underground Works 2. The Headworks Site includes a 23-meter-high gated concrete diversion dam, a settling basin, and a pondage area. The dam, located near Hurikot village, is situated approximately 500 meters upstream from the confluence of the Jagdulla River and Phoigar Khola. It will have three radial gates, each measuring 7 meters in width and 7 meters in height. Water from the river will be diverted through side intakes into a double-chambered settling basin that is 120 meters long and 13 meters wide. A head pond will be constructed at the end of the settling basin to regulate the flow entering the headrace tunnel.

Underground Works 1 consists of a 6,135-meter-long headrace tunnel that conveys water from the head pond to the powerhouse. Out of this total length, about 3.92 kilometers (64%) of the tunnel will be lined with shotcrete, while the remaining 2.21 kilometers (36%) will be lined with concrete. A vertical surge shaft with a height of 49.85 meters and a restricted orifice will be constructed to manage pressure changes within the tunnel system.

Underground Works 2 includes a 1.4-kilometer-long pressure shaft that delivers water from the surge shaft to the underground powerhouse. The powerhouse and transformer cavern are located underground at Ila, in a stable rock formation. The powerhouse will house three vertical-shaft Pelton turbines and generators, each with a capacity of 36 MW, totaling 106 MW. A service bay will also be included in the powerhouse cavern. The transformer cavern will accommodate ten single-phase transformers along with a Gas Insulated Substation (GIS) system. A 132 kV cable will connect the underground GIS to an outdoor take-off yard situated just outside the Main Access Tunnel. The take-off yard will consist of outdoor electrical equipment, gantry structures, and a terminal tower. The generated power will be evacuated through a 132 kV double-circuit transmission line, approximately 45 kilometers long, connecting to the Bafikot Substation.

Additionally, a 330-meter-long tailrace tunnel will return the water from the powerhouse back into the Jagdulla River, completing the water flow cycle of the project. The plan and profile of the

entire project layout, including major structures and alignments, are shown in the respective figures and drawings.

The plan and profile of the project is shown in figures respectively.

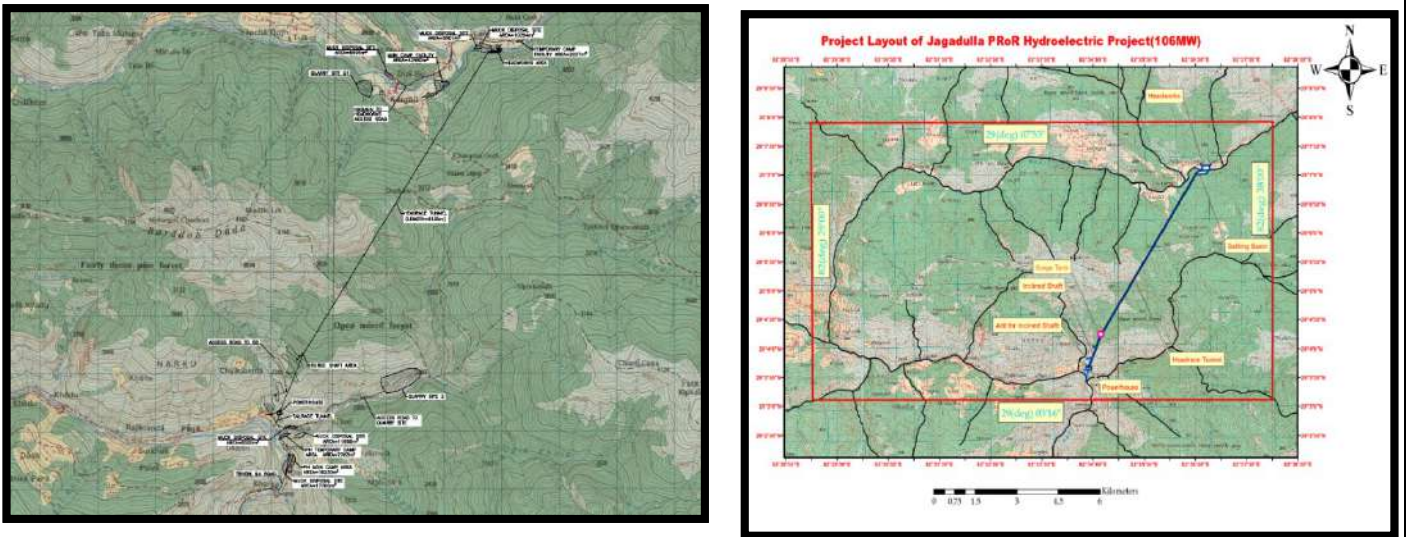


Figure2: Layout & Plan of Jagdulla Hydroelectric Project

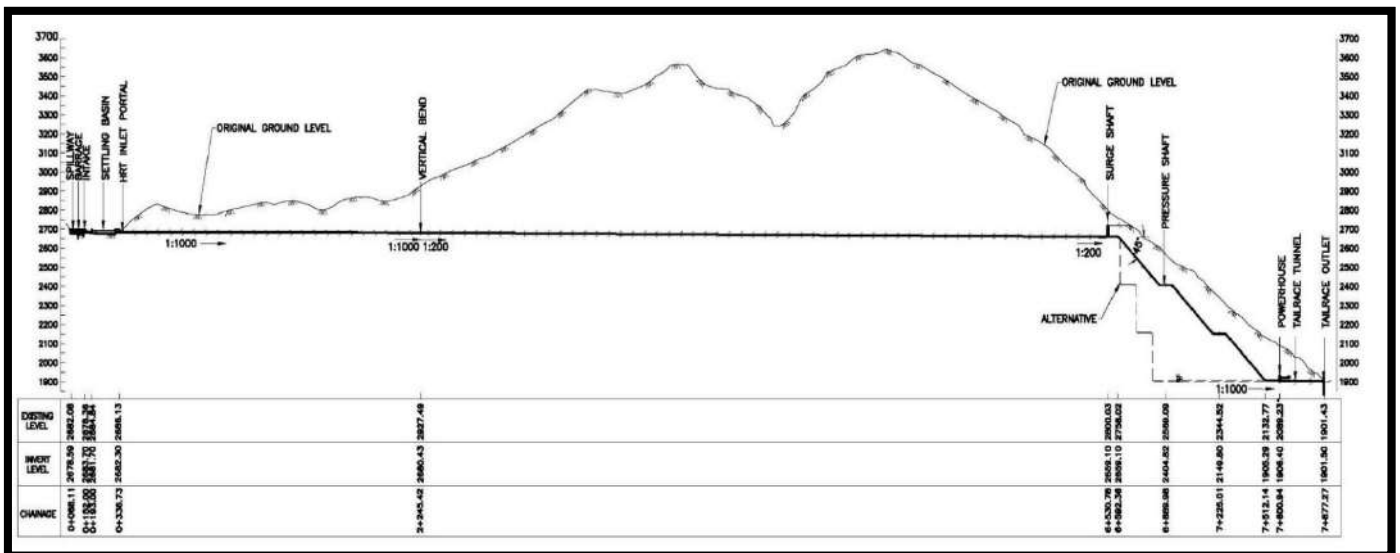


Figure -3: Profile of Jagdulla Hydroelectric Project

2.1.5 Salient Features of the JHEP:

S. No.	Parameters		Details
1	General		
1.1	Name of the Project	Jagdulla PROR Hydroelectric Project	
1.2	Name of the River	Jagdulla River	
1.3	Type of Scheme	PRoR	
1.4	Project Location	Dolpa, Karnali Province, Nepal	
1.5	License Boundary	Easting	82°33'43" E to 82°38'00" E
		Northing	29°03'16" N to 29°07'53" N
1.6	Nearest Settlement	Kaigaun	
1.7	Access Road Name	Chaurjhari-Dolpa Highway at Triveni	
2	Organization		
2.1	Developer	Jagdulla Hydropower Company Limited, Baneshwor, Kathmandu	
2.2	Consultant	NEA Engineering Company Limited, Trade Tower, Thapathali, Kathmandu	

S. No.	Parameters	Details
3	Hydrology	
3.1	Catchment Area at Intake Site	633.83 sq. km.
3.2	Catchment Area at Powerhouse	978.99 sq. km.
3.3	Design Discharge (Q ₃₉)	16.7 m ³ /s
3.4	Average Annual Discharge	19.8 m ³ /s
3.5	Minimum Monthly Discharge	3.96 m ³ /s
3.6	Maximum Monthly Discharge	48.72 m ³ /s
3.7	Minimum Environmental Release	0.40 m ³ /s
4	Diversion During Construction	
4.1	Construction Flood	34.22 m ³ /s
4.2	Diversion Type	Trapezoidal Canal
4.3	Length (m)	320 m
5	Structures	
5.1	Dam/Weir/Barrage	Barrage (3 nos. opening) with Emergency Spillway
5.2	Barrage Crest Level	2678.00 masl
5.3	Spillway	Uncontrolled Ogee Shaped
5.12	Total Capacity of the Reservoir	465,970 m ³
5.13	Live Storage Volume	260,070 m ³
5.14	Dead Storage Volume	205,900 m ³

S. No.	Parameters	Details
5.15	Inundation Area	48,276 m ²
5.16	Back Water Length	500 m
5.17	Peaking Duration	6 hours per day
6	Intake	
6.1	Intake Type	Side Intake
6.2	Number of Orifices	2
6.3	Size	2.0 m (B) x 2.0 m (H)
6.4	Top Sill Level	2685.70 masl
6.5	Invert Sill Level	2683.70 masl
6.6	Gate Type	Fixed Wheel Vertical Lift
6.7	Hoisting System	Gantry Crane Hoist
6.8	Trash Rack Dimension and Opening	3.8 m (W) x 5.0 m (H) x 2 (nos)
6.9	Clear Opening of Trash Rack	50 mm
6.10	Trash Rack Cleaning Mechanism	Trash Rack Cleaning Machine
7	Approach Culvert	
7.1	Type	Underground, pressurized
7.2	Number	2
7.3	Culvert/Canal Size	2 m (B) x 2 m (H)
7.4	Length	36.1 m and 49.0 m

S. No.	Parameters	Details
7.5	Bed Slope (1V:x H)	Horizontal up to the end of the curved portion and 1:11 and 1:10 in right bay and left bay, respectively
7A	Settling Basin	
7A.1	Type	Dufour with Continuous Flushing
7A.2	Size of Particle to Settle	0.10 mm
7A.3	Settling Design Temperature	15° C
7A.4	Settling Efficiency	>90%
7A.5	Number of Bays	2
7B	Headrace Tunnel	
7B.1	Type	Inverted D-shaped Tunnel
7B.2	Material	Concrete and Shotcrete Lined
7B.3	Length	6135 m
7B.4	Diameter	3.8 m (Excavation)
7B.5	Thickness	100 mm-450 mm (Varies)
7C	Surge Shaft	
7C.1	Type	Restricted Orifice
7C.2	Diameter/Dimension	8 m
7C.3	Height	55.9 m
7C.4	Upsurge Level	2715.85 masl

S. No.	Parameters	Details
7C.5	Down Surge Level	2667.04 masl
7C.6	Invert Level	2659.10 masl
7D	Pressure Shaft	
7D.1	Material	ASTM 537, ST-550, ST-450
7D.2	Length	1406.69 m
7D.3	Internal Diameter	2.1 m
7D.4	Thickness	10-48 mm
7D.5	Maximum Surge Pressure	78.8 m
7E	Powerhouse	
7E.1	Type	Underground
7E.2	Plan Dimensions	77.8 m (L) x14 m (B) x32.35 m (H)
7F	Tailrace	
7F.1	Type	Inverted D- shaped Tunnel
7F.2	Numbers	1
7F.3	Size	5 m (B) x 5 m (H)
8	Turbine	
8.1	Type	Pelton, Vertical Axis
8.2	Number of Unit	3
8.3	Rated Net Head	766.54 m
8.4	Rated Capacity per Unit	36000 kW
8.5	Discharge per Unit	5.57 m ³ /s

S. No.	Parameters	Details
8.6	Turbine Axis Elevation	1906.40 masl
8.7	Turbine Efficiency	90%
9	Generator	
9.1	Type of Generators	Vertical Shaft
9.2	Centre Line Elevation	1902.4 masl
9.3	Number of Units	3
9.4	Rated Output	42 MVA
9.5	Generation Voltage	13.8 kV
9.6	Frequency	50 Hz
9.7	Power Factor	0.85
9.8	Excitation System	Brushless
9.9	Speed	750 rpm
9.10	Generator Efficiency	96%
13	Power and Energy	
13.1	Installed Capacity	106,000 kW
13.2	Gross Head	789.60 m
13.3	Outage	5%
13.4	Dry Season Energy (with Outage)	193.24 GWh
13.5	Wet Season Energy (with Outage)	430.23 GWh
13.6	Dry Peak Energy (with Outage)	107.07 GWh
13.7	Dry Off-Peak Energy (with Outage)	86.17 GWh
13.8	Total Annual Energy (with Outage)	623.47 GWh

2.2 Jagdulla A PRoR Hydropower project (JAHEP)-124.35 MW

In addition to implementing the **Jagdulla Hydroelectric Project (JHEP)**, the team members and board of **Jagdulla Hydropower Company Limited (JHCL)** are also actively involved in the planning and development of another project – the **Jagdulla-A Hydroelectric Project (JAHEP)**. This project is designed as a **semi-cascade Peaking Run-of-River (PRoR)** type and is considered a complementary project to JHEP, utilizing the regulated water release from the upstream plant.

The **Jagdulla-A HEP (JAHEP)** is planned to provide **6 hours of daily peaking capacity**, allowing it to contribute to meeting the evening and morning peak power demand of the national grid. The project features two dams: the main dam with a height of **19 meters** and a secondary dam with a height of **4 meters**. It is designed to handle a **design discharge of 30.6 cubic meters per second (m³/s)**.

JAHEP will be equipped with **three vertical-axis Pelton turbines**, each with an installed capacity of **41.80 MW**, bringing the total capacity of the plant to approximately **125.4 MW**. These turbines are selected to efficiently generate power in high-head and variable-flow conditions typical of Himalayan rivers.

2.2.1 Introduction

The **Jagdulla-A Hydroelectric Project (JAHEP)** is being developed by **Jagdulla Hydropower Company Limited (JHCL)** as a **semi-cascade project**, located downstream of the **Jagdulla Peaking Run-of-River (JHEP)** Hydroelectric Project. This approach allows for optimized use of regulated water discharged from the upstream JHEP, increasing overall energy efficiency and reliability.

A **Survey License** for a **Run-of-River (RoR)** project with an installed capacity of **82.30 MW** was obtained on **2074/04/05 BS**. Following this, the responsibility for conducting the **Feasibility Study and Detailed Engineering Design** was entrusted to **NEA Engineering Company Ltd.**, a reputable consultant in Nepal's hydropower sector. As the studies progressed, the consultant's **Interim Report** identified that the site could support a larger capacity of **122.2 MW**, based on the updated flow and head conditions. Consequently, the survey license was upgraded to reflect a revised installed capacity of **124.35 MW**.

The project is located within **Mudkechula Rural Municipality of Dolpa District** and **Nalgad Municipality of Jajarkot District** in **Karnali Province, Nepal**. Geographically, the project area lies between **longitude 82°30'54" E to 82°36'00" E** and **latitude 28°57'34" N to 29°04'22" N**.

JAHEP is designed to use a **design discharge of 30.6 cubic meters per second (m³/s)** and a **rated net head of 464.52 meters** to generate a total of **124.35 MW** of electricity. The project will feature **high-head vertical Pelton turbines**, ideal for efficient operation in mountainous terrain with large head and relatively low flow.

The electricity generated from JAHEP will be evacuated through a **38-kilometer-long double-circuit transmission line**, using **high-voltage Bear conductors**. This transmission line will connect the

project to the **400 kV Substation at Nalgad Hub**, located in **Danipipal, Jajarkot District**. The connection to this high-voltage grid will ensure the efficient delivery of power to the national transmission system, supporting grid stability and regional energy needs.

JAHEP is a strategically important project that not only supports Nepal's growing energy demand but also promotes regional development in the remote Karnali region by improving infrastructure, creating employment, and contributing to local economic activities.

2.2.2 Accessibility

The project is accessed by Jajarkot Dunai Road, stretching along the Bheri River corridor. The powerhouse area is approximately 70 km away from Jajarkot and already connected through fair weather road. While the headworks area at Ila Village can be accessed via a 12 km long pedestrian trail, where a track is being opened from Triveni. Alternatively, it is accessible by about 6 hrs drive along Jumla - Dunai rugged road with additional 4 hrs on foot along the corridor of Jagdulla River.

Project Layout:

The project layout of JAHEP is as below:

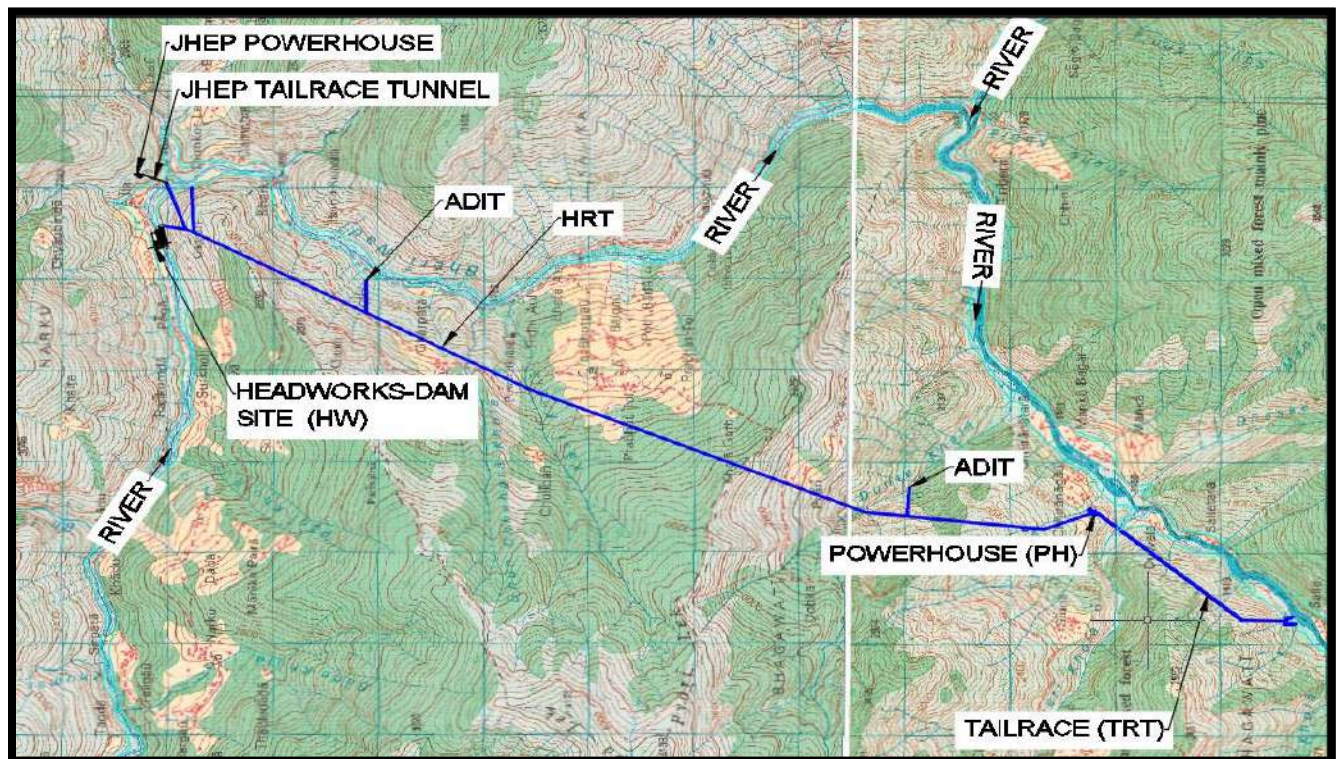


Figure 5: Layout of the JAHEP (124.35 MW)

After the visit of the site of JAHEP the consultant submitted the various layout along with the inception report. Based on the report JHEP selected above feasible project layout.

SALIENT FEATURES

S. No.	Particulars	Features
1	General	
	Project Name	Jagdulla-A Hydroelectric Project (JAHEP)
	River	Jagdulla River
	Headworks Location	Neeldaha, Ila
	Powerhouse Location	Sallebagar, Jajarkot
	Project Area	Latitude: 28 °57'34"N to 29 °04'22"N
		Longitude: 82 °30'54"E to 82 °36'00"E
	Access Road	Chaurjhari - Dolpa Highway at Triveni
	Installed Capacity	124.35 MW
	Type	Peaking Run-of-River (PROR)
	Gross Head	476.26 m
	Design Discharge	30.6 m ³ /s
2	Hydrology	
	Catchment Area at Headworks	904 km ²
	Mean Annual flow	37.4 m ³ /s
	Maximum Average Monthly Discharge	93.8 m ³ /s
	Minimum Average Monthly Discharge	7.3 m ³ /s
	1 in 5 Years Flood (Q ₅)	517 m ³ /s
	1 in 100 Years Flood (Q ₁₀₀)	1,018 m ³ /s
	1 in 1000 Years Flood (Q ₁₀₀₀)	1,392 m ³ /s
	1 in 10,000 Years Flood (Q _{10,000})	1,764 m ³ /s

S. No.	Particulars	Features
	Probable Maximum Flood (QPMF)	4,493 m ³ /s
3	Geology	
	Regional Geology	Lesser Himalayan Sequence
	Major Rock Type in Headworks Area	Dolomite
	Major Rock Type in Waterways	Dolomite, Phyllite & Quartzite
	Major Rock Type in Powerhouse Area	Quartzite
	Major Rock Type in Tailrace Area	Quartzite and Phyllite
4	Headworks 1 (Tailrace Tapping JHEP)	
	Design Discharge	16.2 m ³ /s
	Collection Chamber Size	8 m (L) x 8 m (W) x 15.5 m (H)
	Water Conveyance Steel Pipe	
	Size	2.8 m dia.
	Length and Finishing	105 m & 40 m, Concrete Encased
	Transfer Tunnel 1	
	Shape & Size	D-shaped, 3 m (W) x 3 m (H)
	Length and Finishing	150 m, 300 mm Thick Concrete Lined at Invert
5	Headworks 2 (Phedi Khola)	
	Design Discharge	1.9 m ³ /s
	Diversion Weir	
	Location	Phedi Khola, 500 m u/s from Confluence with Jagdulla River
	Type	Ungated, Broad Crested Weir
	Crest Level	EL. 1934.00 masl
	Crest Length	37 m

S. No.	Particulars	Features
6	Headworks 3 (Jagdulla River)	
	Design Discharge	12.50 m ³ /s
	Location	Neeldaha Area, about 1.1 km U/S from TRT Outlet of JHEP
	Reservoir	
	Gross Storage Volume	0.82 Mm ³
	Live Storage Volume	0.34 Mm ³
	Peaking Hrs.	6 hrs/day
	River Diversion during Construction	
	Design Flood (1 in 20 Years Dry Season Flood)	79.4 m ³ /s
	Length	333 m
7	Head pond	
	Type	Rectangular Concrete Tank
	Water Level during Operation	EL. 1901.00 masl
	Size	45.50 m (L) x 15.20 m (W) x 16 & 21 m Variable (H)
8	Headrace Tunnel	
	Design discharge	30.6 m ³ /s
	Excavated shape and size	D-shaped, 4.9 m (W) x 5.0 m (H) to 5.2 m (W) x 5.25 m (H)
	Total length	7575.66 m
	Design velocity	2.21 m/s
9	Surge Tunnel	
	Length	553.6 m
	Excavated Shape and Size	D Shaped, 3.6 m (W) x 3.6 m (H)
	Finished Equivalent Shape and Size	Circular, 3.6 m Diameter
	Orifice Shape and Size	Circular, 1.5 m Diameter

S. No.	Particulars	Features
10	Pressure Shaft (Penstocks)	
	Total Length	651.75 m
	Finished Shape and Size	Circular Shaped, 3.0 m Diameter Backfilled with Concrete
	Design Velocity	4.33 m/s
11	Powerhouse Cavern	
	Size	90 m (L) x 16 m (W) x 33.18 m (H)
12	Busbar Tunnel	
	Number	2
	Size and Type	5 m (W) x 6.0 m (H), D-shaped
	Length	46.37 m
13	Transformer and GIS Cavern	
	Size	85 m (L) x 10.20 m (W) x 13.00 m (H)
	Width at GIS Location	18.20 m
	Height at GIS Location	14.00 m
	Transformer Floor Level	EL. 1437.94 masl
14	Tailrace Tunnel	
	Total Length	4239.3 m
	Excavated Shape and Size	D-shaped, 5.5 m (W) x 5.5 m (H)
	Convergence Capacity	33.66 m ³ /s (with additional 10% overloading)
	Flow Type	Free flow
	Slope	1 in 1500
	Design Velocity	1.60 m/s
15	Turbine	
	Type	Pelton turbine
	Shaft Arrangement	Vertical axis
	Number	3
	Rated Net Head	464.52 m
	Rated Design Discharge	10.20 m ³ /s

S. No.	Particulars	Features
	Rated Capacity of Each Unit	42.3 MW
	Efficiency	91.00%
16	Generator	
	Type	Vertical Shaft, Salient Pole Type Synchronous
	Number	3
	Rated capacity of Each Unit	48.8 MVA
	Efficiency	98.00%
17	Transformer	
	Type	Single Phase, Indoor, Mineral Oil Immersed
	Number	9 + Spare 1
	Rated Capacity of Each Unit	16.5 MVA
	Efficiency	99.50%
18	Switchyard	
	Type	Gas Insulated (GIS), Underground
	Size	30 m x 15 m
19	Transmission line	
	Length	34 km
	Line	132 kV Double circuit
	Conductor	ACSR BEAR
	Connection Point	Nalgad hub, Danipeepal, Jajarkot
20	Energy	
	Wet Season with Outage	490.88 GWh
	Dry Season with Outage	217.38 GWh
	Total Annual with Outage	708.26 GWh

S. No.	Particulars	Features
21	Project Cost	
	Total Cost without IDC (as of 2024)	NRs. 22,906,416,350
	Interest during Construction (IDC)	NRs. 4,301,886,760
	Total Cost with IDC (as of 2024)	NRs. 27,208,303,110
22	Financial Parameters	
	Discounted Interest Rate	10.00%
	IRR	12.90%
	EIRR/ ROE (Return in Equity)	17.27%
	NPV	NRs. 6,569,716,997
	B/C Ratio	1.30

3. Project Activities and Achievements completed before F/Y 2081/82

S. N	Activities	Achievement
Jagdulla PRoR Hydroelectric project (106 MW)		
1.	Survey License	Survey license has been transferred to Jagdulla Hydropower Company on 2074/09/25, which has been valid till 2079/06/05. All the Feasibility and Detailed study works were completed during the survey period.
2.	Generation License	Generation License was obtained on 2080/10/23 as per the Ministry level Decision till 2115/09/24
3.	Power Purchase Agreement	Power Purchase Agreement has been signed on Baishak,2080 with Nepal Electricity Authority as a Peaking Run-off River Project
4.	Project Feasibility and Detailed Project Report	Project Feasibility and Detail Design completed on Ashad 2077 by NEA Engineering Company Limited.
5.	Environmental Impact Assessment	Environmental Impact Assessment has been approved on Asoj 2080 by the Ministry of Forests and Environment.
6.	Investment Approval	Investment Approval has been received on 2081/08/23 from the Investment Board Nepal
7.	Industry Registration	Industry Registration has been received on 2081/11/25 from the Department of Industry
8.	Construction of Pre-Fabricated Camp at Power House	Pre-fabricated Camp Building has been constructed for client employees (required to supervise the pre-construction activities)
9.	Excavation of test Adit Tunnels	Excavation of the test Adit tunnel at Power House Cavan and the penstock vertical tunnel has been completed

4. Approved Plan

4.1 Main objectives, policies, and programs of fiscal year 2081/82

4.1.1 Main Objectives:

1. Finalize necessary pre-construction activities and complete due diligence for financial closure, leveraging the detailed engineering study report and bidding documents for project development.
2. Select a lead consultant to monitor and supervise construction activities during the project's execution. Additionally, engage the consultant to complete pre-qualification tasks for Lot 2 (civil and Hydro-mechanical) & Lot 3 (Electromechanical Works) and facilitate the NIT (Notice Inviting Tender) and bid evaluation for these packages.
3. Initiate the upgrading of access road, construction of concrete and Bailey Bridges, and start building office cum residential facilities at the Headworks. Finalize the bidding process for the office cum residential building at Power House before major construction begins.
4. Develop Community Support Programs to foster positive relationships with local communities and governments in project-affected areas. These programs aim to minimize potential obstacles and create a supportive environment for the project's completion.
5. Complete the detailed Feasibility and Engineering study work along with Environmental Impact Assessment of the company's new project Jagdulla-A Hydropower Project (124.35 MW) and initiate associated pre-construction activities.

3.1.2 Policy and Program:

S. N	Policy and Programs	Goal
Jagdulla P RoR Hydroelectric project (106 MW)		
1.	Hiring of the main consultant	Hiring of the main Consultant for regular monitoring and supervision of construction works during the project construction. Evaluation is in process.
2.	Selection of Lot 2 (Civil and Hydro-Mechanical)	Floating Invitation of notice for the Selection of contractors of LoT-2 and completion of evaluation of the same.
3.	Financial closing	A financial closure for NPR 11.5 Arab is already done on 2081/02/02 with lead bank Nabil Bank and member banks HIDCL, Laxmi Sunrise Bank, and Everest Bank. A full financial closure will be done this year for the remaining loan amount.

S. N	Policy and Programs	Goal
4.	Construction of the Bridge and access road	<p>Under the concept of Design & Build, the contract for the bridge at the starting point of the access road of the project (in Triveni, Dolpa) has been started, and the design and IEE of the same have been approved by the JHEP. Consequently, as per the approved construction schedule, work is being executed. All the pre-construction activities will be completed by this fiscal year.</p> <p>Completion of the construction of an additional 9 nos of Bailey Bridges on the access road of the project.</p> <p>Completion of the Blasting area to connect the access road at different sections of the project (Tribeni-Illa-Kaigau Road)</p> <p>Construction of an RCC motorable bridge over the Bheri River at Triveni will be completed by this fiscal year.</p>
5.	Construction works of residential cum office buildings	<p>Construction work of the temporary prefab building at the power house site, Illa is completed.</p> <p>Construction work (office cum residential buildings) has started at Headwork's Site, and we plan to complete the works as per the approved Work Schedule by this fiscal year.</p> <p>Selection of the contractors will be completed and the works (office cum residential buildings) at the powerhouse site, as the road is being connected to the powerhouse site, Illa.</p>
6.	Additional land acquisition work	<p>As the consultant has submitted a report to acquire an additional 50 Ropanis of land, distribution of compensation to the affected land owners based on the rate finalized by the District Compensation Determination Committee, Dolpa, shall be performed.</p>
7.	Training and career development	<p>By identifying appropriate programs for the career development of the working employees, training, including field visits, shall be performed.</p>
8.	Community Support Program (CSP)	<p>In coordination with the concerned local bodies track road and gabion in the river for the protection of Illa Village has been conducted, and additional work will be started.</p>

S. N	Policy and Programs	Goal
Jagdulla-A Hydropower Project (124.35 MW)		
9.	Pre- Construction Activities	<p>After getting the License upgrade and area from DoED, planning to obtain the reports from the consultant according to the agreement reached between NEA Engineering and JHCL associated with the Detailed Engineering study of Jagdulla-A Hydropower Project (124.35 MW)</p> <p>Completion of Detail Engineering study of Jagdulla-A Hydropower Project (124.35 MW)</p> <p>Completion of the Environmental Impact Assessment study of Jagdulla-A Hydropower Project (124.35 MW)</p> <p>Starting Preconstruction activities (Access Road, Bridge, and Adit Tunnel works & Land Acquisition works)</p>
10.	Other works	<p>For further study of the project, Gauge Reading, Discharge Measurement, and Sediment Sampling work shall be continued.</p> <p>Hiring of consultancy services as required by the JHEP during course of time.</p> <p>Purchase of office equipment and vehicles</p>

4.2 Plan and Schedule of F/Y 2081/82

सि. न.	बजेट शिर्षक न.	मुख्य क्रियाकलाप	माईलस्टोन
जगदुल्ला अर्ध-जलाशययुक्त जलबिद्युत आयोजना (१०६ मे.वा.)			
१	४.१.१	अनुमतिपत्र	लगानी बोर्डबाट लगानी स्वीकृति लिने उद्योग दर्ता गर्ने
२		वित्तीय (ऋण) व्यवस्थापन (Financial Closing) कार्य	Due Diligence सम्पन्न गर्ने कार्य Credit Rating को कार्य गर्ने Full Financial Closure गर्ने
३	४.१.२	वातावरणीय अध्ययन (EIA) अन्तर्गतका कार्य	नेपाल सरकार संग रुख कटान अनुमति लिने नेपाल सरकार संग सार्वजनिक जग्गा भोगाधिकार स्वीकृति लिने Environment Management Plan (EMP) तयार गर्ने Environment Management Plan (EMP) लागु गर्ने
४	४.१.२.२	प्रशारण लाइनको अध्ययन कार्य (ईल बाट बाफिकोट सम्म)	Complete Detail Feasibility Study Works Complete the bidding process and IEE of the TL (Ila to Bafikot) or (Illa to Danipal)
५	४.१.२.३	Construction / Contract Management and Construction Supervision of Jagdulla PROR Hydroelectric Project (106 MW)	Complete the Bidding works Contract Negotiation & Contract Agreement Establishment of the Office and Furniture Setup Start the Works and Design Review of LOT 2

सि. न.	बजेट शिर्षक न.	मुख्य क्रियाकलाप	माईलस्टोन
६	४.१.२.४	Gauge Reading, Discharge Measurement, and sediment sampling	Complete the Bidding Works Contract Agreement and Start the Works
७	४.१.३.३	आयोजना पुल तथा पहुँच सडक निर्माण	D&B of the Bridge over the Bheri river in Tribeni Dolpa Construction of Pier 1 up to the EL Concreting of Superstructure from Pier 2 to Right Abutment Concreting of Superstructure from Pier 1 to Pier 2 Construction of Left Abutment up to the EL Concreting of Superstructure from Left Abutment to Pier 1 Payment works over the Superstructure and all complete as per milestones River Training Works Access Road construction (1500m) with use of Explosives Excavation of the Hill 3 of the access road Excavation of the Hill 4/5 of the access road Excavation of the Hill 6 (D/S of Narkhu Village) of the access road Excavation of the Hill as directed by Site Engineer Access Road Construction (Illa - fedi - simlanka) Track Opening from illa to Phedi

सि. न.	बजेट शिर्षक न.	मुख्य क्रियाकलाप	माईलस्टोन
			Track opening of Phedi to Simalanka
			Belly Bridge on the Project Access Road (10 Nos)
			Civil Works
			Construction of Abutment of Baily Bridge no 7,8,9,10
			Design supply and erection of bailey bridge
			Delivery at site of Baily Bridge no 3,4,5,6
			Erection of Baily Bridge no 3,4,5,6
			Delivery at site of Baily Bridge no 7,8,9,10
			Erection of Baily Bridge no 7,8,9,10
			Completion of works the others as required
८	४.१.३.६	आवास तथा कार्यालय भवन निर्माण	Office and Residence Building in HW Area
			Construction of First Stage Camp (All Structural part - RCC Works)
			Construction of Second Stage Camp (All Non-Structural part - Wall, Plastering, Window, Door)
			Construction of Third Stage Camp (Electrical Sanity and Others)
			Construction of Landscaping, Access Road and other accessories as per design
			Construction of boundary wall
			Office and Residence Building in PW Area

सि. न.	बजेट शिर्षक न.	मुख्य क्रियाकलाप	माईलस्टोन
			Update the Detail Cost Estimate & Prepare the Bidding Document
			Invitation of the Bids
			Opening and Evaluation of the Technical Bids
			invitation for financial Bids
			Opening and Evaluation of the financial Bids
			Letter to Intent (LOI)
			Letter to Award (LOA)
			Contract Agreement & Execution of the Works
९	४.१.३.७	Construction of LOT 2 Works (Civil and Hydromechanical Works)	Completion of Bidding works
			Contract Agreement
			Commencement of Works
			Contractor Mobilization (Temporary facility Equipment, Manpower Mobilization)
			Contractor Mobilization (It's Imported Equipment Procurement and Mobilization)
			Contractor Mobilization (2nd Imported Equipment Procurement and Mobilization)
			Survey and Benchmark Installation
			Construction facilities
			Preliminary Works
			Engineering Design Submission
१०		Construction of LOT 3 Works (Electromechanical Works)	Update the Detail Cost Estimate & Prepare the Bidding Document
			Completion of Bidding works
			Contract Agreement & Execution of the Works

सि. न.	बजेट शिर्षक न.	मुख्य क्रियाकलाप	माईलस्टोन
११		Construction of LOT 4 Works (Transmission Line and Switch Yard Works)	Update the Detail Cost Estimate & Prepare the Bidding Document Invitation for Bids
१२		जग्गा प्राप्ति	छुट भएका जग्गाहरुको मुआब्जा वितरण कार्य गर्ने प्रशारण लाइन भित्र पर्ने जग्गाहरुको मुआब्जा सम्बन्धि कार्य शुरु गर्ने जग्गा मुआब्जा दर रेट जिल्ला प्रशासन कार्यालय बाट तय गर्ने मुआब्जाको लागि सूचना प्रकाशन गर्ने मुआब्जा वितरण कार्य शुरु गर्ने
१३		सवारी साधन खरिद	लागत, अनुमान तथा बोलपत्र कागजात तयार गर्ने बोलपत्रको सूचना प्रकाशन, मुल्यांकन तथा सम्झौता खरिद कार्य सम्पन्न गर्ने
जगदुल्ला-ए जलबिद्युत आयोजना (१२४.३५ मे.वा.)			
१	४.२.१	सर्वेक्षण अनुमति पत्र शुल्क/नबिकरण	अनुमति पत्र (नबिकरण) प्राप्त गर्ने बिद्युत उत्पादन अनुमतिपत्रको लागि बिद्युत विकास बिभाग समक्ष निवेदन पेश गर्ने
२	४.२.२.१	अध्ययन कार्य/परामर्श सेवा	Final Feasibility Study Report Final Consolidated report Submission of tender document
३	४.२.२.२	वातावरणीय अध्ययन कार्य	Submission of Draft Scoping Report and TOR to JHCL Approval of Scoping and ToR document by MoFE through DoED

सि. न.	बजेट शिर्षक न.	मुख्य क्रियाकलाप	माईलस्टोन
			Public Hearing Program
			Submission of Environmental Baseline Report
			Submission of Draft EIA Report to JHCL
			Submission of Draft EIA Report to JHCL to MoFE through DoED
४		लगानी मोडालिटी तयार गर्ने तथा ऋण सम्बन्धी कार्य गर्ने	सम्पूर्ण स्व-पुंजी लगानी कर्ताहरु संग LOI लिई लगानी मोडालिटी तयार गर्ने
			ऋण दिने निकायहरु संग ऋण सम्बन्धि प्रक्रिया अघि बढाउने
			Consortium बैकहरु सँग ऋण सम्बन्धि Term Sheet तयार गरी सम्झौता गर्ने
			Due Diligence लगायतका प्रक्रियागत कार्यहरु शुरु गर्ने
			ऋण सम्झौता सम्पन्न गर्ने
५		विद्युत खरिद बिक्रि सम्झौता गर्ने कार्य	विद्युत खरिद बिक्रिको लागि नेपाल विद्युत प्राधिकरण समक्ष निवेदन पेश गर्ने
			नेपाल विद्युत प्राधिकरण संग Energy Lock गर्ने
			नेपाल विद्युत प्राधिकरण संग Connection Agreement गर्ने कार्य सम्पन्न गर्ने
			मशयौदा विद्युत खरिद बिक्रि सम्झौतातयार गरि विद्युत नियमन आयोगमा पेश गर्ने
			विद्युत नियमन आयोगको स्वीकृति तथा सिफारिस प्राप्त गर्ने
			नेपाल विद्युत प्राधिकरण संग विद्युत खरिद बिक्रि सम्झौता गर्ने
६		जग्गा प्राप्ति कार्य	आयोजना स्थल भित्र पर्ने जग्गाहरुको मुआब्जा सम्बन्धि कार्य शुरु गर्ने
			जग्गा मुआब्जा दर रेट जिल्ला प्रशासन कार्यालय बाट तय गर्ने
			मुआब्जाको लागि सूचना प्रकाशन गर्ने

सि. न.	बजेट शिर्षक न.	मुख्य क्रियाकलाप	माईलस्टोन
			मुआब्जा वितरण कार्य शुरु गर्ने
७		निर्माण कार्य	टेस्ट अडिट खन्ने कार्य
			Update the Detail Cost Estimate & Prepare the Bidding Document
			Complete The Bidding Works
			Contract Agreement & Execution of the Works

5. Current Status of Projects

Broad Scope of Work

Project construction phase has been categorized in different packages to make the construction work ease for budgeting and planning purpose. Both the projects will be developed under the framework categorized. Major division of the project works has been provided below:

Lot-1: Infrastructure Development work

The first contract package (Lot-1) is proposed as Infrastructure Development work which includes the pre-construction works like construction of access road, camp facilities, bridges, construction power, water supply, etc. These works are proposed to be carried out by local contractors before the start of main construction work of project. Domestic Bidding Competition has been envisaged for Lot-1 on BOQ Model and some of works has already been awarded to Nepalese contractors.

Lot-2: Civil and Hydro-mechanical work

The Third package (Lot-2) is proposed for Civil and Hydro-mechanical work, which includes civil works of Dam, power house, surge shaft, settling basin, cofferdam, and tunnel works etc. Hydro-mechanical works include fabrication and erection of gates, penstock tunnel, tailrace gates etc. International Bidding Competition has been proposed for Lot-2 on EPC Model.

Lot-3: Electro-mechanical work

The third package (Lot-3) is proposed for Electro-mechanical work which includes design, manufacturing and supply of electromechanical equipment's including electric overhead travelling (EoT) cranes, firefighting equipment, and equipment for compressed air supply, HVAC etc. International Bidding Competition has been proposed for Lot-3 on P&DB Model.

Lot-4: Transmission Line and Sub-station work

The fourth Package (Lot-4) is proposed for Transmission Line and Sub-station work, which will include the building of 132KV transmission line from powerhouse Illa village to NEA 132KV Bafikot Substation including installation of substation at Bafikot substation. International Bidding Competition has been proposed for Lot-4 on P&DB Model.

5.1 Pre- Construction Activities of Jagdulla PRoR Hydroelectric project (106 MW)

Agency	Agreement Signed Date	Agreement End Date	Scope of work	Status of work	Contract award amount (NPR)	Amount released to Agency (NPR)	Retention (NPR)	EOT	Remarks
NEA Engineering Co. Pvt. Ltd	6 Dec 2017	6 Jun 2019	Detail Design	Detail Design completed on Ashad 2077	348,700,000 Revised contract amounts 27,69,73,806.83	250,075,834			Completed
NEA Engineering Co. Pvt. Ltd	24 Dec 2017	24 Aug 2019	EIA Study	EIA Completed	2,00,55,550.75	16,044,440.60		Kartik 2080	Completed
Power Purchase Agreement (PPA)	Application to PDD of NEA- On 27-6-2021, PDD of NEA called for Energy Locking. locking signing -28/06/2021, Final PPA with NEA- Final signed at 26/01/2080-							Energy	Completed
Debt Management	Financial Closure was concluded on 15 th May 2024 in the presence of the Honorable Minister of Energy and Water Resources								
Land acquisition of the JHEP	260 Ropani of Private Land Acquired, some portion of land acquisition is remaining, which is in progress								Completed
Sherpa/PS JV	15-JUN-2020	JUL-13-2022	Test Adit Tunnel	Completed	87,41,6,331.86	86,288,747.98	38,18,086.23		Completed
ERMC/ Udaya JV		June 2023	Detailed Feasibility Study of the 132KV			Nrs 4,837,105.75		June 2024	Completed

Agency	Agreement Signed Date	Agreement End Date	Scope of work	Status of work	Contract award amount (NPR)	Amount released to Agency (NPR)	Retention (NPR)	EOT	Remarks
	15 th Dec 2022		DC Transmission Line		NRs 6,467,130.57.00				
Sherpa Hydro Construction Pvt. Ltd.	11-Dec-2022	10-Dec-2024	Construction of Camp facilities at Headworks' Area	Under progress	NRs. 311,418,245.72	NRs. 78,164,503.58		EOT 1: 10 th Dec 2025	In Progress
Rabi Chakra - Bfor JV	24-Aug-2023	23-Aug-2024	Installation of Bailey Bridges (For the site Excess)	Under Progress	NRs. 267,705,205.50	NRs 151,709,609.68		EOT 1: 32 Asad,2082 EOT 2: March 14, 2026	In Progress
Serpa Hydro Construction Pvt. Ltd	12-March - 2023	11-March - 2024	Access Road Opening (Triveni to Illa to Kaigaun)	Under Progress	NRs. 101,638,283.33	NRs. 93,828,976.38		EOT 1: 11 Sept 2024 EOT 2: Jan 9 2025 EOT 3: 32 Asad,2082 EOT 4: Jan 15 2026	Triveni to Illa Completed
Hirachan Caravan JV	29-July-2020	28-Dec-2022	Design and Build of Bridge Over Bheri River at Triveni, Dolpa	Under Progress	NRs. 148,925,928.75	NRs. 54,904,256.00		EOT 3: 12/06/2025 EOT 4:24 March 2026	In Progress

5.2 Pre- Pre-Construction Activities of Jagdulla-A Hydroelectric Project - JAHEP

5.2.1 Survey License:

The Survey license was received from DoED on 09.04.2077 for a feasibility study of Jagdulla-A. It was renewed on 2080.04.20, and a renewal application was submitted on 2081.04.20, along with a capacity increment application.

5.2.2 Detailed Feasibility and Engineering Study

Contract agreement for detail design study of Jagdulla-A was signed with NEA Engineering on 30.08.2077.

As per the contract the deliverables that is to be provided by the NEA Engineering and its progress till date is tabulated as below:

Event	Completion Date (in months)	Status
Draft Inception Report	3	Received
Inception Report	6	Received
Topographical Survey and Mapping Report	8	Received
Design Basis Memorandum (DBM)	10	Received
Draft Hydrological, Sedimentation and GLOF Report	10	Received
Hydrological, Sedimentation and GLOF Report	14	Received
Interim Design Report	12	Received
Power Market, Power System and Evacuation Study Report	13	
Geological Baseline Report	14	Received
Draft Feasibility Study Report	19	Received
Feasibility Study Report	20	Received
Design Workshop	21	Concluded
Draft Tender Document and Tender Drawing	22	Received
Final Detailed Engineering Study Report	24	Received
Final Tender Document and Tender Drawings	24	Received
Bio Monthly Progress Report with Presentation	Within 15 days of the Reporting Month	Received

After the submission of the Inception report for JAHEP, the Consultant and JHCL teams conducted site visit and did extensive discussions. These evaluations concluded that the project's capacity could be increased from 82.3 MW to 120 MW. Following this decision, an application was submitted to the DoED to amend the license area and capacity. On 2080/04/20, JHCL received the amended license, officially reflecting the updated capacity and revised license area. The capacity of JAHEP has been amended after Draft Feasibility from 120 MW to 123.7 MW and then to 124.35 MW. We have submitted the capacity upgradation application to 124.35 MW to DOED which is in process of verification. Renewal of Survey license and Capacity Upgradation is in process at DOED and Ministry of Energy and Water Resource.

4.2.3 Environment Impact Assessment (EIA) Study

Contract agreement for EIA study of Jagdulla-A was signed with ERMC/SHRESTHA/GRID JV on 30.08.2077.

As per the contract the deliverables that is to be provided by the Consultant and its progress till date is tabulated as below:

S. No.	Reporting	Schedule in months	Status
1.	Submission of Inception Report to JHCL	1	Received
2.	Submission of Draft Scoping Report and TOR to JHCL	4	Received
3.	Approval of Scoping and ToR document by MoFE	7	Delayed due to Delay in finalization of FSR and Capacity Upgradation Submitted to DoED
4.	Submission of Environmental Baseline Report	10	
5.	Submission of Draft EIA Report to JHCL	15	
6.	Submission of Draft EIA Report to JHCL to MoFE through DoED	16.5	
7.	Approved EIA report from MoFE	18	

5.3 Physical Progress of Construction Activities

5.3.1 Construction of Camp facilities at Headwork's Area

The contract has been awarded to Sherpa Hydro Construction Pvt. Ltd. on 14 August 2022. Since we have resolved all the issues at the site and the excavation work has started. The contractor has prepared all the necessary preparatory work, including an access road to Headwork's camp, and structural works have been almost completed. We have deployed the team lead by Site In charge for the supervision of construction works to ensure the timely completion of the work without compromising the quality.

Physical Progress			
S.N.	Physical Milestones	Status	Remarks
1	Excavation and Foundation works	Completed (Submitted and Approved)	For All Approved Buildings
2	Construction of Structures	Completed (Submitted and Approved)	For All Approved Buildings
3	Interior and furnishing works	In Progress	Materials approved and transported to the site. Construction in Progress
4	Sanitary and Plumbing Works	In Progress	Materials approved and transported to the site, Construction in Progress
5	Boundary wall and Fencing works	In Progress	In Progress

Almost 85 % of the physical progress has been achieved.

Progress Photos:



Site Camp



Guard House



Site Office Building



Type B1



Type B2



Client Cafeteria



Consultant Cafeteria



DB1



DB2



Clinic

5.3.2 Installation of Bailey Bridges (For the site Access)

A contract has been awarded to Ravi Chakra – Bfour JV to Design, Supply, and Install 253.59 m of Bailey Bridges at various locations required for project access. The company has finalized the modality for the abutment works. Abutment work must be done through the User Committees (Including local stakeholders for the individual bridges). We have completed the committee formation work, coordinating with local governments. Design has been submitted by the contractor, and 10 numbers of Bailey bridges at different locations are approved along with their foundation abutment structures. The construction of the 3 Bailey bridges at the Headworks site has been completed, and at the Powerhouse site is nearing completion, whereas the remaining 5 Bailey bridge foundations at the Powerhouse site have been completed, as the access road from Tribeni to Ila has been completed.

Physical Progress			
S.N.	Physical Milestones	Status	Remarks
1	Design & Drawing Preparation of Bridges	Completed (Submitted and Approved)	252 m of Bailey bridges 10 Nos for the connection of Access Road
2	Abutment Designs and Cost Estimate	Completed (Submitted and Approved)	Abutments of Bailey Bridges
3	Manufacturing of Bailey Bridges (Superstructure Parts)	Completed	Factory visit and Inspection Completed
4	Goods Dispatched from China	Completed	Lot 1 - 3 Bridges & Lot 2 - 3 Bridges have reached Jumla
5	Goods are transported to Dolpa	In Progress	All the bridge materials have been delivered to the site
6	Construction of Abutments	In Progress	Construction of abutments of 6 Bridges (B1, B2, B3, B4, B5, B6) completed and B7, B8 & B9 are in progress
7	Installation of Bailey Bridges	In Progress	Installation Completed – B1 , B2, and B3.

Almost 76 % of the physical progress has been achieved.



Bailey Bridge 1, Hurikot



Bailey Bridge 2, Kaaigaun



Bailey Bridge 3, Bajhgad



Bailey Bridge 4, Chhachu Gadpar



Bailey Bridge 5, Octa Gadpar



Bailey Bridge 7, Khaddu



Bailey Bridge 8, Phedi



Bailey Bridge 9, Dumchaur



BB Materials at Site



5.3.3 Access Road Opening (Triveni to Illa to Kaigaun)

Access road is the most important part of the preparatory work to start the project construction works. Most of the access road has been completed beside the portions with hard rock presence. We have finalized the contractor for the blasting and access road excavation works. The Contractor (Sherpa Hydro Construction Pvt. Ltd) has completed all the preparatory works and explosive has been received at site.

The Contractor Sherpa Hydro Construction Pvt. Ltd. has completed all the preparatory works and explosive has been received at site. Blasting works has started from 3rd of Poush 2081. Almost 40 km access road has been completed and 5 Km hard rock part is in construction. Access track opening work upto power house has been completed and further the access road from Power House (Ila) to Headworks (Kaigaun) is under construction.

Causes of Delays:

EOT-1: The pre-scheduled blasting work has been postponed to 6 months later due to unavailability of explosives at site which was not in scope of client but has only cooperative role to procure, transport, store and manage explosives with concerned stakeholders.

Weather and Road access: Some delays occurred due to adverse weather conditions, such as heavy rain and extreme temperatures, which hindered workers' ability to perform tasks safely and efficiently. Additionally, poor and limited access due to difficult terrain roads has also impeded the delivery of materials and equipment to the construction site, further delaying progress.

Physical Progress			
S.N.	Physical Milestones	Status	Remarks
1	Blasting (Benching and Heading) All Complete - Hill 1	Completed (Submitted and Approved)	130 m of rock blasting has been planned, but 140 m has to be done during construction
2	Blasting (Benching and Heading) - Hill 2	Completed (Submitted and Approved)	110 m rock blasting has been planned, but 110 m has to be done during construction
3	Blasting (Benching and Heading) - Hill 3	Completed	The estimated length is 465 m for blasting. Total length has been completed
4	Blasting (Benching and Heading) - Hill 4	Completed	The estimated length for blasting is 150m. Total length has been completed
5.	Blasting (Benching and Heading) - Hill 5	Completed	The estimated length for blasting is 80m. Total length has been completed
6.	Blasting (Benching and Heading) - Hill 6	Completed	The estimated length for blasting is 210.11 m. Total length has been completed

Almost 100% of the physical progress has been achieved, and Additional work has been added as per the site requirements from ILA to Lamachaur, which is currently under verification.

Access Road (Triveni - Kaaigaun)



Hill 1





Hill 2



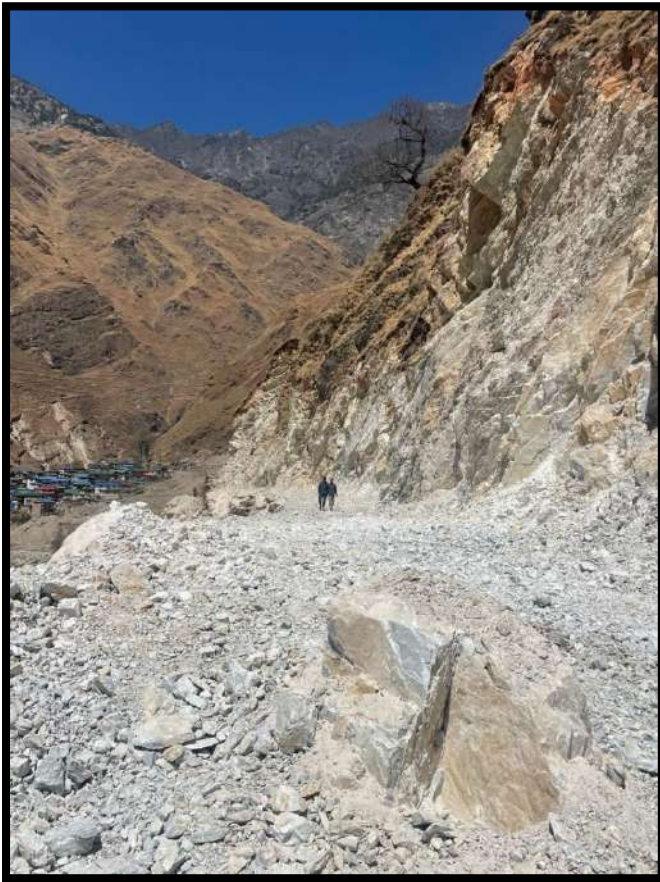
Hill 3



Hill 4



Hill 5



Hill 6

Under the access road, a bridge is to be built at Triveni, Jajarkot, over the Bheri River. For the construction of the Bridge over Bheri River a contract agreement was performed between Jagdulla Hydropower Company Limited and Caravan/Hirachan JV on 29 July 2020. As per the contract, Caravan/Hirachan JV has completed the design works of the bridge, and the IEE of the Bridge is completed. The foundation concreting work of right abutment pier 2 is complete, and river training work 100 m is partially complete.

The details of the contract between Jagdulla Hydropower Company Limited and M/S Caravan/Hirachan JV about the Bridge at Triveni over Bheri River is as under:

Causes of Delays:

- EoT-1: Extension of Time for IEE and Design Approval)
- EoT-2: Covid-19 Lockdown, National Elections, Weather, etc.)
- Right Abutment Correction: The Right abutment design is revised, and correction of existing work is done accordingly.
- Revised Design Finalization and Approval: The RCC Bridge design is revisited and redesigned due to changes in site conditions. The final design is approved on 2nd February, 2024.

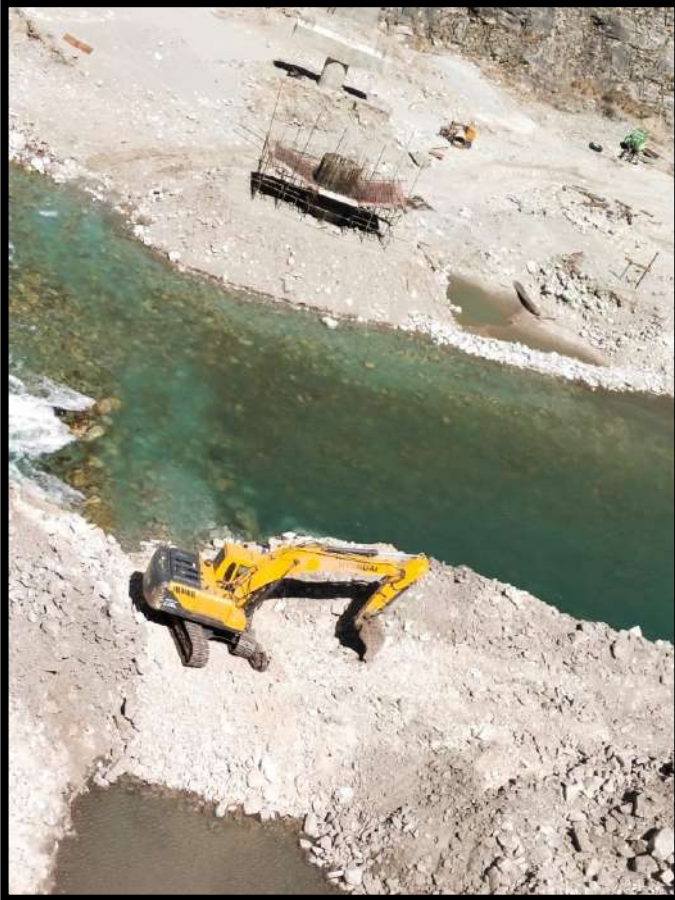
- Weather and Road access: Some delays occurred due to adverse weather conditions, such as heavy rain and extreme temperatures, which hindered workers' ability to perform tasks safely and efficiently. Additionally, poor and limited access due to difficult terrain road has also impeded the delivery of materials and equipment to the construction site, further delaying progress.

Physical Progress			
S.N.	Physical Milestones	Status	Remarks
1	Design of a Bridge	Completed	CMT Lab Establishment & River Training works are partially completed
		Right abutment Correction design	
		Pier 1, Left Abutment, and Superstructure completed	
2	Right Abutment	Foundation and Sub-Structure Completed	
3	Pier 2	Foundation and Sub Structure Completed, including pier cap	
4	Pier 1	Foundation and Sub Structure Completed, including pier cap	
5	Super Structure	25 m Super Structure Construction work from the Right abutment to pier 2 has been completed	
6.	Left Abutment	Excavation Completed	

SN Physical Progress Calculation			
I	Weightage for Foundation	35.00%	As Per ACC 11.2
	Total number of Foundations	4	
	Number of Foundation completed (Pier-1, Pier-2 & Rt. Abutment)	3	As Per ACC 5.1 II
	Physical Progress I	28 %	
II	Weightage for Sub-Structure	15.00%	As Per ACC 11.2
	Total number of sub-structures	4	
	Number of sub-structures completed (Pier-2, Pier -1 & Rt. Abutment)	3	As Per ACC 5.1 II
	Physical Progress II	11.25 %	
III	River Training III	0.90%	
IV	Super Structure Weightage	50%	
	Physical Progress IV	12.5 %	
	Total Physical Progress	52.65%	

Almost **52.65%** of the physical progress has been achieved.

Ongoing Activities at Bridge Site Triveni



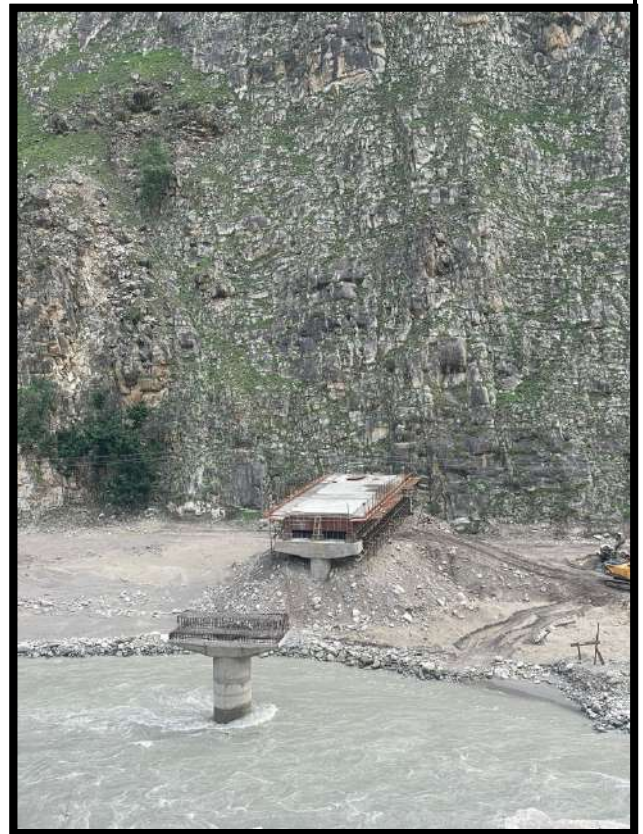
Pier 2



Pier 1



Ongoing Activities at Bridge Site Triveni



Right Abutment



5.2 Progress as per Milestones targeted F/Y 2081/82

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जगदुल्ला अर्ध-जलाशययुक्त जलबिद्युत आयोजना (१०६ मे.वा.)				
१	४.१.१	अनुमतिपत्र	लगानी बोर्डबाट लगानी स्वीकृति लिने	<ul style="list-style-type: none"> लगानि बोर्डको स्वीकृति २०८१/०८/२३ गते प्राप्त गरिएको। २०८१/११/२५ मा उद्योग दर्ताको प्रमाणपत्र प्राप्त गरिएको।
			उद्योग दर्ता गर्ने	
२		वित्तीय (ऋण) व्यवस्थापन (Financial Closing) कार्य	Due Diligence सम्पन्न गर्ने कार्य	<ul style="list-style-type: none"> Due Diligence Audit (DDA), Credit Rating कार्य सम्पन्न भैसकेको EPF बाट ऋण स्वीकृती अन्तिम चरणमा रहेको।
			Credit Rating को कार्य गर्ने	
			Full Financial Closure गर्ने	
३	४.१.२	वातावरणीय अध्ययन (EIA) अन्तर्गतका कार्य	नेपाल सरकार संग रुख कटान अनुमति लिने	<ul style="list-style-type: none"> जग्गा हदबन्दी स्वीकृत पश्चात मात्र थप जग्गा अधिकरण कार्य सुरु हुने हुदा हदबन्दी स्वीकृत हुने प्रकृया अगाडि बढेको।
			नेपाल सरकार संग सार्वजनिक जग्गा भोगाधिकार स्वीकृति लिने	
			Environment Management Plan (EMP) तयार गर्ने	
			Environment Management Plan (EMP) लागु गर्ने	
४	४.१.२.२	प्रसारण लाइनको अध्ययन कार्य (ईल बाट बाफिकोट सम्म)	Complete Detail Feasibility Study Works	<ul style="list-style-type: none"> अध्ययन कार्य सम्पन्न भैसकेको। प्राथमिक वातावरणीय अध्ययन कार्य सुरु नभएको। २०८१/०७/०५ गते प्रसारण लाइनको अध्ययन सम्पन्न भैसकेको। दानिपिपल नलगाढमा सब-स्टेशन बन्ने प्रकृया सुरु नभएको हुदा कार्य अगाडी बढाउन नसकिएको।
			Complete the bidding process and IEE of the TL (Ila to Bafikot) or (Illa to Danipipal)	

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५			Contract Negotiation & Contract Agreement	
			Establishment of the Office and Furniture Setup	
			Start the Works and Design Review of LOT 2	
६	४.१.२.४	Gauge Reading, Discharge Measurement, and sediment sampling	Complete the Bidding Works Contract Agreement and Start the Works	<ul style="list-style-type: none"> कार्य सम्पन्न भैसकेको , क्रमागत कार्यहरु निरन्तर भइरहेको । नियमित कार्य भएकाले आ.व २०८१/८२ को कार्य सम्पन्न गरि डाटा प्राप्त गरिसकेको ।
७	४.१.३.३	आयोजना पुल तथा पहुँच सडक निर्माण	D&B of the Bridge over the Bheri river in Tribeni Dolpa	<ul style="list-style-type: none"> पुल निर्माण कार्यको प्रगति ५० प्रतिशत सम्पन्न भएको । आयोजनाको पहुँच मार्गको ट्रयाक खोल्ने कार्य सम्पन्न गरिसकेको । आयोजनाको पहुँच मार्गमा पर्ने बेली ब्रिजहरुको अबुटमेन्ट को निर्माण कार्य सम्पन्न भैसकेको र निर्माण कार्यको लागि आवश्यक पर्ने समानहरु साइटमा ढुवानी कार्य भैरहेको र यस आ.व. २०८१/८२ मा बेली ब्रिज नम्बर १,२,३ को कार्य सम्पन्न गरिसकेको । आयोजनाको बिद्युत गृह स्थल बाट हेड रेस टनेलको लागि आवश्यक पर्ने टेस्ट अडिट टनेल सम्म जाने पहुँच मार्ग (इल-फेदी-काइगाउँ) बाटोको ट्रयाक खोल्ने कार्य सुरु नभएको ।
			Construction of Pier 1 up to the EL	
			Concreting of Superstructure from Pier 2 to Right Abutment	
			Concreting of Superstructure from Pier 1 to Pier 2	
			Construction of Left Abutment up to the EL	
			Concreting of Superstructure from Left Abutment to Pier 1	
			Payment works over the Superstructure and all complete as per milestones	
			River Training Works	
			Access Road construction (1500m) with use of Explosives	
			Excavation of the Hill 3 of the access road	
Excavation of the Hill 4/5 of the access road				

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			Excavation of the Hill 6 (D/S of Narkhu Village) of the access road Excavation of the Hill as directed by Site Engineer Access Road Construction (Illa - fedi - simlanka) Track Opening from illa to Phedi Track opening of Phedi to Simalanka Belly Bridge on the Project Access Road (10 Nos) Civil Works Construction of Abutment of Baily Bridge no 7,8,9,10 Design, supply, and erection of Bailey bridge Delivery at the site of Bailey Bridge no 3,4,5,6 Erection of Bailey Bridge no 3,4,5,6 Delivery at the site of Bailey Bridge no 7,8,9,10 Erection of Bailey Bridge Nos. 7, 8, 9, 10 Completion of works by the others as required	<ul style="list-style-type: none"> भौगोलिक विकटता, त्यहाँ सम्म निर्माण सामग्री पुर्याउन आवश्यक पर्ने पहुँच मार्ग (जाजरकोट-त्रिबेणी) खण्ड भित्र खोला तर्न पुल नहुँदाको कारण केहि ढिलाई भएको।
८	४.१.३.६	आवास तथा कार्यालय भवन निर्माण	Office and Residence Building in HW Area Construction of First Stage Camp (All Structural parts - RCC Works) Construction of Second Stage Camp (All Non-Structural parts - Wall, Plastering, Window, Door) Construction of Third Stage Camp (Electrical Sanity and Others)	<ul style="list-style-type: none"> आयोजना तथा परामर्शदाताका कर्मचारीहरूको लागि बाध स्थलमा आवश्यक पर्ने आवास तथा कार्यालय भवनहरूको निर्माण कार्यको प्रगति ७५ प्रतिशत पुगेको। बिद्युत गृहमा बोलपत्र आह्वानको निमित्त दर रेट तथा खरिद कागजात तयार गरिसकेको।

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			Construction of Landscaping, Access Road and other accessories as per design Construction of boundary wall Office and Residence Building in PW Area Update the Detail Cost Estimate & Prepare the Bidding Document Completion of Bidding Works Contract Agreement & Execution of the Works	
९	४.१.३.७	Construction of LOT 2 Works (Civil and Hydromechanical Works)	Completion of Bidding works Contract Agreement Commencement of Works Contractor Mobilization (Temporary facility Equipment, Manpower Mobilization) Contractor Mobilization (It's Imported Equipment Procurement and Mobilization) Contractor Mobilization (2nd Imported Equipment Procurement and Mobilization) Survey and Benchmark Installation Construction facilities Preliminary Works Engineering Design Submission	<ul style="list-style-type: none"> प्राविधिक तथा आर्थिक प्रस्तावको मुल्यांकन कार्य सम्पन्न गरि निर्माण व्यवसायी छनौट गर्ने कार्य अन्तिम चरणमा रहेको । २०८१/०८/०६ गते बोलपत्र आवहान गरिएको । सम्पूर्ण खरिद प्रकृया पुरा गरि मिति २०८२/०२/११ गते Letter of Intent to Award the Contract को सुचना प्रकाशन गरिएको । मिति २०८२/०२/२३ गते सार्वजनिक लेखा समिति बाट प्रकृया रोक्नका निम्ति पत्र प्राप्त भएको हुदा हाल उक्त प्रकृया स्थगित अवस्थमा रहेको
१०		Construction of LOT 3 Works (Electromechanical Works)	Update the Detail Cost Estimate & Prepare the Bidding Document Completion of Bidding works Contract Agreement & Execution of the Works	<ul style="list-style-type: none"> निर्माण व्यवसायी छनौट कार्यको लागी बोलपत्र कागजात तयार गरिसकेको । लट २ (सिभिल तथा हाइड्रो-मेकानिकल) खरिद कार्य सम्पन्न नभएकोले बोलपत्र आवहान नगरिएको ।
११		Construction of LOT 4 Works (Transmission	Update the Detail Cost Estimate & Prepare the Bidding Document	<ul style="list-style-type: none"> कार्य सुरु नभएको ।

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		Line and Switch Yard Works)	Invitation for Bids	<ul style="list-style-type: none"> लट २ (सिभिल तथा हाइड्रो-मेकानिकल) खरिद कार्य सम्पन्न नभएकोले बोलपत्र आवहान नगरिएको ।
१२		जग्गा प्राप्ति	<p>छुट भएका जग्गाहरुको मुआब्जा वितरण कार्य गर्ने</p> <p>प्रशारण लाइन भित्र पर्ने जग्गाहरुको मुआब्जा सम्बन्धि कार्य शुरु गर्ने</p> <p>जग्गा मुआब्जा दर रेट जिल्ला प्रशासन कार्यालय बाट तय गर्ने</p> <p>मुआब्जाको लागि सूचना प्रकाशन गर्ने</p> <p>मुआब्जा वितरण कार्य शुरु गर्ने</p>	<ul style="list-style-type: none"> जग्गा हदबन्दी स्वीकृत पश्चात मात्र थप जग्गा अधिकरण कार्य सुरु हुने हुदा हदबन्दी स्वीकृत हुने प्रकृया अगाडि बढेको । २०८१/०५/२२ गते भुमि व्यवस्था सहकारि तथा गरिबी निवारण मन्त्रालयमा हदबन्दी फुकुवाको लागि निवेदन पेश गरिएको । २०८२/०२/१३ गतेभुमि व्यवस्था सहकारि तथा गरिबी निवारण मन्त्रालयले नियमन प्रकृयाका लागि मिसिल पठाएको पत्र प्राप्त भएको । २०८२/०२/२५ गते भुमि व्यवस्थापन तथा अभिलेख विभाग हद भन्दा बढि जग्गाको विवरण पठाइएको । २०८२/०२/२९ गते भुमि व्यवस्थापन तथा अभिलेख विभागले मिसिललाइ डोल्पा जिल्ला पठाइएको पत्र प्राप्त भएको ।
१३		सवारी साधन खरिद	<p>लागत, अनुमान तथा बोलपत्र कागजात तयार गर्ने</p> <p>बोलपत्रको सूचना प्रकाशन, मुल्यांकन तथा सम्झौता</p> <p>खरिद कार्य सम्पन्न गर्ने</p>	<ul style="list-style-type: none"> कार्य सम्पन्न भैसकेको ।

सि.न.	बजेट शिर्षक न.	मुख्य क्रियाकलाप	माईलस्टोन	माईलस्टोन
जगदुल्ला-ए जलबिद्युत आयोजना (१२४.३५ मे.वा.)				
१	४.२.१	सर्वेक्षण अनुमति पत्र शुल्क/नविकरण	अनुमति पत्र (नविकरण) प्राप्त गर्ने बिद्युत उत्पादन अनुमतिपत्रको लागि बिद्युत विकास विभाग समक्ष निवेदन पेश गर्ने	<ul style="list-style-type: none"> मिति २०८१/०३/२० गते सर्वेक्षण अनुमती पत्र नविकरणका निम्ति पत्राचार गरिएको । मिति २०८१/०६/०२ गते सर्वेक्षण अनुमती पत्र नविकरणका निम्ति बिद्युत विकास विभाग समक्ष प्रस्तुतिकरण गरिएको । <p>आयोजनाको सर्वेक्षण अनुमती पत्रका साथै क्षमता वृद्धि पनि गर्नु पर्ने भएकोले २०८२/०३/०२ मा १२४.३५ मे. वा. को सर्वेक्षण अनुमती पत्र प्राप्त गरिएको ।</p>
२	४.२.२.१	अध्ययन कार्य/परामर्श सेवा	Final Feasibility Study Report Final Consolidated report Submission of tender document	<ul style="list-style-type: none"> बिद्युत विकास विभागबाट क्षेत्र संशोधन तथा क्षमता वृद्धि स्वीकृत भई १२४.३५ मे.वा. का प्रतिवेदनहरू परामर्शदाताबाट प्राप्त भएको । क्षमता वृद्धि भएको कारणले केहि ढिलाइ भइ २०८१/११/१४ मा प्राप्त गरिएको ।
३	४.२.२.२	वातावरणीय अध्ययन कार्य	Submission of Draft Scoping Report and TOR to JHCL Approval of Scoping and ToR document by MoFE through DoED Public Hearing Program Submission of Environmental Baseline Report Submission of Draft EIA Report to JHCL Submission of Draft EIA Report to JHCL to MoFE through DoED	<ul style="list-style-type: none"> आयोजनाको क्षमता वृद्धि स्वीकृत भए पश्चात TOR र Scoping विकास विभागमा पेश गरिएको । आयोजनाको सर्वेक्षण अनुमती पत्र २०८२/०३/०२ मा स्वीकृत भएको हुदा २०८२/०३/१० गते निवेदनका साथ TOR र Scoping विकास विभागमा पेश गरिएको । TOR र Scoping को मिति २०८२/०३/२३ गते बिद्युत विकास विभाग समक्ष वन तथा वातावरण

सि.न.	बजेट शिर्षक न.	मुख्य क्रियाकलाप	माईलस्टोन	माईलस्टोन
				मन्त्रालयको प्रतिनिधिको उपस्थितिमा प्रस्तुतिकरण गरिएको।
४		लगानी मोडालिटी तयार गर्ने तथा ऋण सम्बन्धी कार्य गर्ने	<p>सम्पूर्ण स्व-पुंजी लगानी कर्ताहरु संग LOI लिई लगानी मोडालिटी तयार गर्ने</p> <p>ऋण दिने निकायहरु संग ऋण सम्बन्धि प्रक्रिया अघि बढाउने</p> <p>Consortium बैकहरु सँग ऋण सम्बन्धि Term Sheet तयार गरी सम्झौता गर्ने</p> <p>Due Diligence लगायतका प्रक्रियागत कार्यहरु शुरु गर्ने</p> <p>ऋण सम्झौता सम्पन्न गर्ने</p>	<ul style="list-style-type: none"> स्व-पुंजी लगानी मोडालिटी तयार गरि स्व-पुंजी लगानी कर्ताहरुलाई पत्राचार गरि आशय पत्र तथा लगानि स्वीकृति पत्रहरु आडसिक रुपमा प्राप्त गरिसकेको। मिति २०८०/११/१७ मा सम्पूर्ण स्व-पुंजी लगानी कर्ताहरुलाई पत्राचार गरिएको। कर्णली प्रदेश तथा नेपाल विद्युत प्राधिकरणबाट लगानी स्वीकृति पत्र प्राप्त गरिएको। एच. आइ. डि.सि.एल, नलगाड नगरपालिका, मुड्केचुला गाउपालिका बाट आशय पत्र प्राप्त गरिएको। VUCL बाट आउन बाकि रहेको
५		विद्युत खरिद बिक्रि सम्झौता गर्ने कार्य	<p>विद्युत खरिद बिक्रिको लागि नेपाल विद्युत प्राधिकरण समक्ष निवेदन पेश गर्ने</p> <p>नेपाल विद्युत प्राधिकरण संग Energy Lock गर्ने</p> <p>नेपाल विद्युत प्राधिकरण संग Connection Agreement गर्ने कार्य सम्पन्न गर्ने</p> <p>मशरौदा विद्युत खरिद बिक्रि सम्झौतातयार गरि विद्युत नियमन आयोगमा पेश गर्ने</p> <p>विद्युत नियमन आयोगको स्वीकृति तथा सिफारिस प्राप्त गर्ने</p>	<ul style="list-style-type: none"> नेपाल विद्युत प्राधिकरण संग विद्युत खरिद बिक्रि सम्झौताको निवेदन २०८१/०५/१९ पेश गरिसकेको। आयोजनाको सर्वेक्षण अनुमती पत्रका साथै क्षमता वृद्धि पनि गर्नु पर्ने भएकोले कार्यमा ढिलाइ भएको। आयोजनाको सर्वेक्षण अनुमती पत्र भएपछि मिति २०८२/०३/१० गते प्रकृया अगाडी बढाउन शुल्क बुझाइ निवेदन पेश गरिसकेको।

सि.न.	बजेट शिर्षक न.	मुख्य क्रियाकलाप	माईलस्टोन	माईलस्टोन
			नेपाल बिद्युत प्राधिकरण संग बिद्युत खरिद बिक्रि सम्झौता गर्ने	
६		जग्गा प्राप्ति कार्य	आयोजना स्थल भित्र पर्ने जग्गाहरुको मुआब्जा सम्बन्धि कार्य शुरु गर्ने जग्गा मुआब्जा दर रेट जिल्ला प्रशासन कार्यालय बाट तय गर्ने मुआब्जाको लागि सूचना प्रकाशन गर्ने मुआब्जा वितरण कार्य शुरु गर्ने	<ul style="list-style-type: none"> आयोजनालाई आवश्यक पर्ने व्यक्तिगत जग्गाहरुको विवरण प्राप्त गरिसकेको । क्षेत्र संशोधन तथा क्षमता वृद्धि गर्नु पर्ने भएकोले ढिलाई भएको ।
७		निर्माण कार्य	टेस्ट अडिट खन्ने कार्य Update the Detail Cost Estimate & Prepare the Bidding Document Complete The Bidding Works Contract Agreement & Execution of the Works	<ul style="list-style-type: none"> आयोजनालाई आवश्यक पर्ने व्यक्तिगत जग्गाहरुको अधिकरण कार्यले गर्दा रोकिएको । क्षेत्र संशोधन तथा क्षमता वृद्धि गर्नु पर्ने भएकोले ढिलाई भएको ।

Budget and Progress Summary of F/Y 2081/82

Information regarding the approved budget and expenditure of the same for fiscal years 2081-82 is tabulated below.

जगदुल्ला हाइड्रोपावर कम्पनी लिमिटेड
त्रैमासिक बजेट विनियोजन तथा प्रगति विवरण
आर्थिक वर्ष २०८१/८२

सि. नं.	बजेट शीर्षक	प्रस्तावित बजेट रु.	२०८१/८२ को अध्यावधिक प्रगति विवरण			
			भौतिक प्रगति (%)	वित्तीय, %		
				लक्ष्य (रकम रु.)	प्रगति (रकम रु.)	प्रगति, %
1	कूल व्यवस्थापन खर्च	६३,८८२,२६९.४४	१००.००%	६३,८८२,२६९	६२,२१५,६१४.९४	९७.३९%
आयोजना खर्च-जगदुल्ला जलाशययुक्त जलविद्युत आयोजना (१०६ मे.वा.)						
1	Detail feasibility report को अन्तिम प्रतिवेदन प्राप्त गर्ने- Transmission Line	१,६२५,६१०.९३	१००.००%	१,६२५,६११	१,६१२,३६८.७५	९९.१९%
2	IEE कार्य गर्ने-Transmission Line	२,५००,०००.००	२.००%	२,४००,०००	-	०.००%
3	Guage Reading, Discharge Measurement and sediment sampling	२४,५००,०००.००	१००.००%	२४,५००,०००	८,४३७,३४०.००	३४.४४%
4	Contract Management and Construction Supervision of Jagdulla PROR Hydroelectric Project (106 MW)	१३५,०००,०००.००	९०.००%	१३५,०००,०००	-	०.००%
5	Due Diligence for Project Financing by consultant	१,८००,०००.००	१००.००%	१,८००,०००	१,८०८,०००.००	१००.४४%
6	वित्तीय परामर्श	२००,०००.००	०.००%	२००,०००	-	०.००%
7	कानुनी परामर्श	५००,०००.००	२५.००%	६००,०००	५९८,६७०.००	९९.७८%
8	Individual Consultant for Land Acquisition purpose	३००,०००.००	०.००%	३००,०००	-	०.००%
9	Credit Rating Fees	५००,०००.००	१००.००%	४४०,७००	४४०,७००.००	१००.००%
10	आयोजना अन्य प्राविधिक परामर्श सेवा	१,५००,०००.००	१००.००%	१,८००,०००	१,७८३,७२१.९५	९९.१०%

11	D&B of the Bridge over the bheri river in Tribeni Dolpa	८१७९५८०९.०७	५२.६५%	८१,७९५,८०९	१०,८८४,९६७.९४	१३.३१%
12	Tribeni-ila-kaaigaau Access Road (Upgradation)	९८,३३३,१७०.०८	१००.००%	९८,३३३,१७०	८७,७१८,२७१.६०	८९.२१%
14	Civil Works for Bailey bridge including River Training	२१,३६८,४९८.११	८०.००%	२१,३६८,४९८	१५,८३९,३५०.००	७४.१२%
15	Construction of Approach Road and structures	१६,०००,०००.००	२०.००%	१६,०००,०००	-	०.००%
16	Design supply and Erection of Bailly Bridge	१४९,७०९,४२५.५०	८८.००%	१४९,७०९,४२६	६९,९५४,५३५.७२	४६.७३%
17	Construction of Office and Residence Building in HW	२२७,६३१,४१३.३५	७५.००%	२२७,६३१,४१३	१०७,११६,६२१.२१	४७.०६%
18	Construction of office and Residence Building in PW Area	४५,०००,०००.००	५.००%	४५,०००,०००	-	०.००%
19	Repair and maintenance including Construction of Waiting room of Illa.	१,०००,०००.००	०.००%	१,०००,०००	-	०.००%
20	Office setup at Main Camp at Kaigaun/Head office	५,०००,०००.००	२०.००%	५,०००,०००	१,३०४,७१५.६०	२६.०९%
21	Construction of LOT 2 Works (Civil and Hydromechanical Works)-Contract Award गरि निर्माण कार्य शुरु गर्ने	६४१,२५०,०००.००	१००.००%	६४१,२५०,०००	-	०.००%
22	मुल्यांकन खर्च	५००,०००.००	१००.००%	५००,०००	१२९,२६७.०६	२५.८५%
23	सवारी साधन	१२,०००,०००.००	०.००%	१२,०००,०००	११,७७२,१००.००	९८.१०%
24	तालिम तथा वृत्ति विकास (आन्तरिक तथा बाह्य)	१,२००,०००.००	४०.००%	१,२००,०००	८६८,९३२.६६	७२.४१%
25	कार्यालय भाडा तथा अन्य खर्च	१,८५४,८००.००	३०.००%	१,८५४,८००	४८०,१६२.४५	२५.८९%
26	मुआब्जा वितरण कार्य गर्ने (दोश्रो चरण)	५,०५०,०००.००	०.००%	५,०५०,०००	-	०.००%
27	सामुदायिक सहयोग कार्यक्रम	१०,५००,०००.००	०.००%	१०,५००,०००	३०,०००.००	०.२९%
28	व्याज तथा अन्य बैंक शुल्क	२७,२००,०००.००	०.००%	२७,२००,०००	-	०.००%
	जम्मा	१,५१३,८१८,७२७.०४	४९.९१%	१,५१४,०५९,४२७	३२०,७७९,७२५	२१.१९%

आयोजना खर्च-जगदुल्ला -ए जलबिद्युत आयोजना (१२४.३५ मे.वा.)

1	सर्वेक्षण अनुमति पत्र नविकरण खर्च	५,०००,०००.००	१००.००%	५,०००,०००	४,८६०,०००.००	९७.२०%
2	उत्पादन अनुमति पत्र खर्च	५०,०००.००	०.००%	५०,०००	-	०.००%
3	अध्ययन / परामर्श सेवा	१,८००,०००.००	१००.००%	१,८००,०००	९२८,२९५.००	५१.५७%
4	विस्तृत ईन्जिनियरिङ अध्ययन	५८,०१८,९४३.८५	१००.००%	५८,०१८,९४४	४३,७०७,१६५.८८	७५.३३%
5	वातावरणीय अध्ययन कार्य	५,५६९,७७०.००	५०.००%	५,५६९,७७०	९९,७६२.००	१.७९%
6	Construction of Test Audit Tunnels at Powerhouse	१२५,५८६,३८७.८३	०.००%	१२५,५८६,३८८	-	०.००%
8	Construction of Bailey Bridge & Access Road	४८,०००,०००.००	०.००%	४८,०००,०००	-	०.००%
9	सामाजिक उत्तरदायित्व कार्यक्रम	५००,०००.००	०.००%	५००,०००	-	०.००%
	जम्मा	१८४,९३६,३८०.९३	४३.७५%	२४४,५२५,१०२	४९,५९५,२२२.८८	२०.२८%
1	फर्निचर तथा उपकरण	१,०३०,०००.००		१,०३०,०००	४२३,४०६.४५	
	जम्मा	१,८२३,२५६,०९८.९६	४६.८३%	१,८२३,२५६,०९८	४२६,७७९,३५०.२७	२३.४१%

6. Conclusion

The project and administrative expenditure of fiscal year 2081/82 of JHCL has been progressive for this year. However, natural calamities affected the scheduled work and its proposed budget. Similarly, Compensation distribution to the land-affected owners of additional land required for JHEP was also affected.

The total budget allocated for the Fiscal Year 2081/82 stands at **NRs 1,823,256,098.16**. Out of this, the total expenditure incurred so far amounts to **NRS 433,013,969.21**. In terms of physical progress, the project has achieved **46.83%** of the planned physical targets for the year. This reflects a steady advancement toward the goals set for the fiscal year, demonstrating effective utilization of resources and commitment to meeting the outlined objectives. JHCL successfully achieved most of the planned budget allocations for the quarter, reflecting effective financial management despite operational hurdles.

The project has faced several delays due to unforeseen circumstances and technical challenges. Despite these setbacks, significant progress has been made, and a revised recovery schedule has been developed to ensure the project is completed within the adjusted timeline. Continued efforts will be focused on addressing any remaining issues and accelerating the work pace to meet the revised targets.

Major works of Jagdulla A PRoR Hydroelectric Project -124.35 MW are on hold as all the shareholders have provided the letter of Intent for Investment, but the major shareholder, Vidyut Utpadan Company Limited, has not provided the letter of Intent regarding the investment. Karnali Province Government has already passed the investment approval by the province cabinet for 5% equity investment in JAHEP-124.35 MW on 2081-09-19.

By developing JAHEP alongside JHEP, JHCL aims to maximize the hydropower potential of the Jagdulla River basin through integrated planning and operation. This coordinated approach will improve energy generation efficiency, enhance grid stability during peak periods, and contribute significantly to the energy security and economic development of Nepal.

In conclusion, this progress report provides a comprehensive overview of the progress of our project and the milestones achieved during the reporting period. As we navigate through the project timeline, we have accomplished most of the milestones within the targeted timeline, and our team is working hard to accomplish the remaining milestones.

7. Appendix

Project Activities and progress Photos



जगदुल्ला हाईड्रोपावर कम्पनी लिमिटेड
जगदुल्ला अर्ध-जलाशययुक्त जलविद्युत आयोजना (१०६ मेगावाट) को
वातावरणीय प्रभाव मूल्याङ्कनको
सार्वजनिक सुनुवाई

स्थान : जगदुल्ला गाउँपालिका, वडा नं. ५, माझगाउँ, गाउँपालिका कार्यालय
मिति र समय : २०७८ पुष २ गते, बिहान ११ बजे

प्रस्तावक:
जगदुल्ला हाईड्रोपावर कम्पनी लिमिटेड
बानेश्वर-१०, काठमाडौं, नेपाल
फोन : ०१-८८७७२८२
ई-मेल : info@jhcl.com.np
वेबसाईट : https://jhcl.com.np

परामर्शदाता:
एनइए इन्जिनियरिङ कम्पनी लिमिटेड
ट्रेड टावर भवन श्यामशली काठमाडौं, नेपाल
फोन : ०१-५१११०२८
ई-मेल : info@neaec.com.np
वेबसाईट : www.neaec.com.np



Public Interaction Program during Land Acquisition



Test Tunnel Completed



Power Purchase Agreement (PPA) with NEA of Power Evacuation of Jagdulla PRoR HEP (106 MW)



Investors Site visit



Pre-bid meeting of Lot-2



Test Tunnel Completed



Completed Prefab Office cum Residential Building