



JAGDULLA HYDROPOWER COMPANY LIMITED

Annual Progress Report

नेपालको पानी, जनताको लगानी

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1. PROJECT BACK GROUND

I. Brief Description of Project

Government of Nepal intends to develop the hydropower potential of Nepal in an economically efficient and sustainable manner to meet the much needed and growing power demand in the country. Nepalese Government has taken an initiation to establish a company to develop the various sustainable potential projects and diversified investors of Nepal and abroad in Public-Private-Partnership and the BOOT (Built-Operate-Own-Transfer) Model in the process of developing large scale hydropower projects. As a result, Vidhyut Utpadan Company Limited (VUCL) came into picture and was established and registered in Department of Industries, Government of Nepal under Company Act 2063 BS. Jagdulla Hydropower Company Limited (JHCL) is a subsidiary company of Vidhyut Utpadan Company Limited (VUCL) established in 2017 to develop Jagdulla Peaking Run-of-River Hydroelectric Project (JHEP). The JHCL-HEP (106 MW) Hydro power project is located on Jagdulla River, in Dolpa District of Nepal, which is 748.3 Km from Kathmandu via Nepalgunj. Jagdulla Hydropower Company Pvt. Ltd (JHCL) was incorporated & registered on 2074 Jestha 16 as a private limited company under the Nepalese Companies Act 2063 duly floated by public-private shareholding of VUCL and General public with an aim to plan, promote, organize & execute the Jagdulla Hydro-electric Project.

II. Capital structure

S. N.	Company capital structure	NPR
1.	Authorized Capital	1 Arab
2.	Issued Capital	75 Crore
3.	Paid up Capital	58 Crore

III. Share structure

S. N.	Shareholders	Percentage
1.	Vidhyut Utpadan Company Limited	75 %
2.	General Public	13%
3.	Project Affected Local People	10%
4.	Under-Privileged Citizens of Nepal	2%

IV. Board Members and Management Team

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

a. Board members:



Madhu Prasad Bhetuwal
Joint Secretary, Ministry of Energy,
Water Resources and Irrigation
Chairman



Mahesh Rimal
Deputy General Manager, Rastriya
Beema Sansthan
Director



Ananta Raj Ghimire
Managing Director, VUCL
Director



Sanjay Sapkota
Acting Chief Executive Officer

b. Management Team:



Sanjay Sapkota
Acting Chief Executive Officer
Email: ssapkota@jhcl.com.np



Suresh Olee
Deputy Project Manager - JHEP
Email: soli@jhcl.com.np



Prabhu Ram Silwal
Site Incharge - JHEP
Email: prsilwal@jhcl.com.np



Mandira Khadka
Administration Officer
Email: mkhadka@jhcl.com.np



Rakesh Raj Giri
Chief Electromechanical Division -
JHEP
Cell: 9852099527
Email: rrgiri@jhcl.com.np,
rakeshrajgiri943@gmail.com



Parwat Krishna Pokharel
Account Officer
Email: pkpokharel@jhcl.com.np

2. BROAD SCOPE OF WORK

Survey license:

- a) Jagdulla PROR project

The project received the survey license for PROR of 106 MW on dated Ashad 2076.

- b) 132 KV power evacuation transmission line.

Transmission survey License of 132KV TL from powerhouse to Nalgad Hub substation, Danipeepal issued by DoED on 04 Poush 2076.

The projects hold four packages for its COD in 2028. The brief information about the packages is as under:

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 second package (Lot-2) is proposed for Civil and Hydro-mechanical work, which includes civil works of Dam, power house, surge shaft, descanding 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 equipments 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

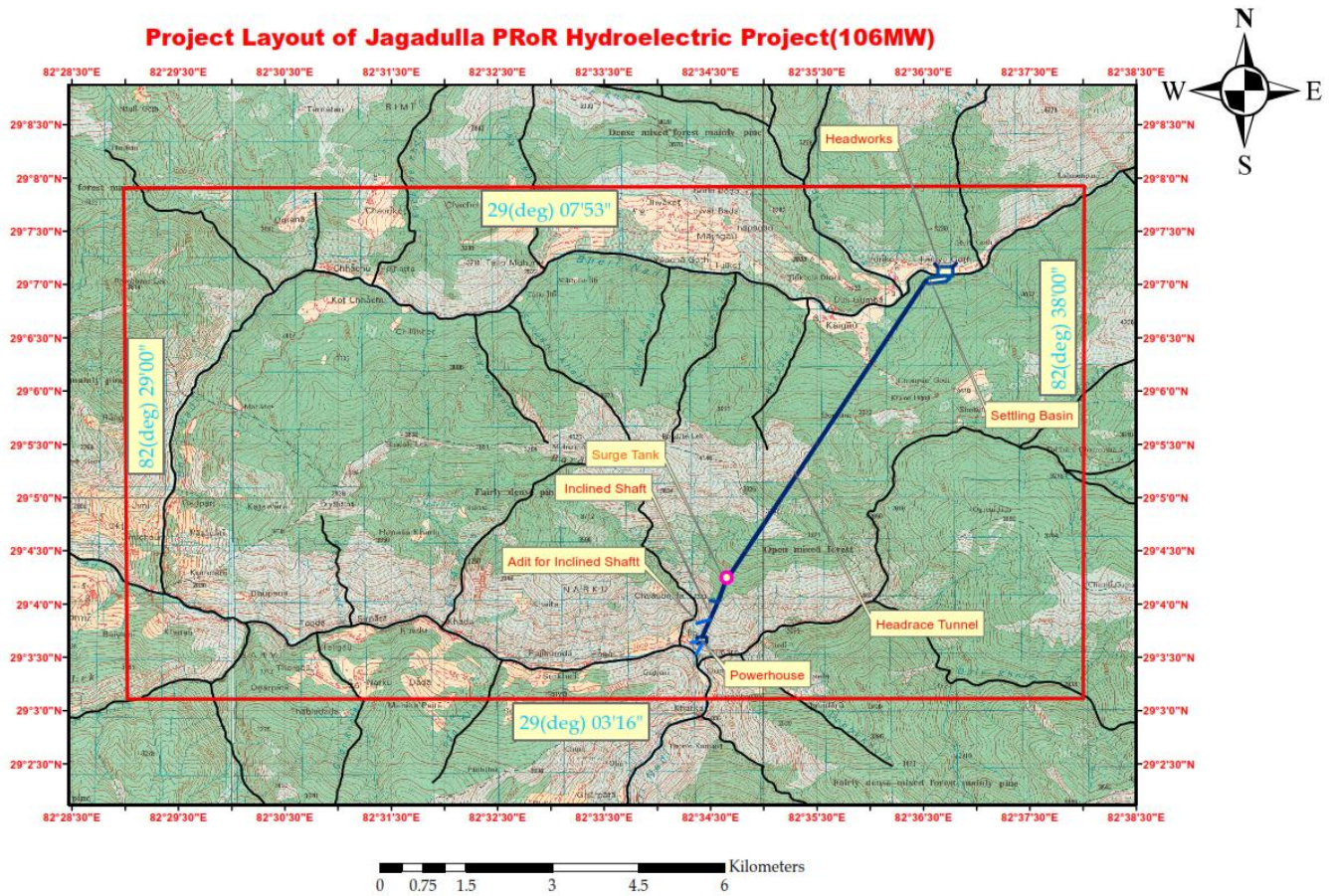
The fourth Package (Lot-4) is proposed for Transmission Line and Sub-station work, which will include the building of 132KV transmission line from powerhouse Illa village to NEA 132KV

Bafikot Substation including installation of substation at Bafikot substation. International Bidding Competition has been proposed for Lot-4 on P&DB Model.

3. Jagdulla PRoR Hydroelectric project (JHEP)

JHEP is Peaking Run of the River (PRoR) project of 6 hours of peaking capacity with dam of height 23 m. and discharge of 16.2 m³/s. It consists vertical pelton turbines of 3 units with capacity of 36 MW each. More information regarding JHEP is detailed as under:

3.1 Project Layout of JHEP:



3.2 Salient Features of the JHEP:

1 Project Location

Province	: Karnali Province
Zone	: Karnali
District	: Dolpa
Intake Site	: Hurikot, Dolpa
Powerhouse Site	: Ila, Dolpa

Geographical Co-ordinates

Latitude	: 82°29'00" E to 82°38'00" E
Longitude	: 29°03'16" N to 29°07'53" N
Conservation Area (if any)	: No

2 General

Name of River	: Jagdulla
Nearest Town	: Kaigaun and Ila
Type of Scheme	: Peaking Run off River (PROR)
Gross Head	: 789.60 m
Net rated Head	: 767.68 m
Installed Capacity	: 106.52 MW
Average Annual Energy after Outage	: 615.32 GWh

3 Hydrology

Catchment Area	: 633.83 sq. km.
Mean Annual Discharge	: 28.83 m ³ /s
Design Discharge (at 40%PoE)	: 18.01 m ³ /s
Riparian Release	: 0.467 m ³ /s
Design Flood Discharge	: 1141 m ³ /s
Average Annual Precipitation	: 638 mm

4 Diversion Weir

Type of Weir	: Barrage (3 nos. opening) with emergency spillway
Length of Weir	: 38 m (Barrage), 45.70 m (Emergency Spillway)
Crest Elevation	: 2696.00 m asl
Spillway type	: Uncontrolled Ogee shaped
Undersluice Opening (W X H)	: 7.0 m X 7.0 m
Undersluice Crest Level	: 2678.00 m asl

5 Intake Structure cum Gravel Trap

Type of Intake	: Side Intake
Nos of Opening	: 2
Size of Intake (W x H)	: 2.0 m (B) x 2.0 m (H)
Intake Sill Level	: 2683.70 m asl
Length of Gravel Trap	: Not Applicable
Width of Gravel Trap (Avg.)	: Not Applicable
Overall depth	: Not Applicable
Particle size to be trapped	: Not Applicable
Flushing Channel	: Not Applicable

6 Approach Canal

Type	: Underground, pressurized
No. of canal	: 2
Length	: 36.10 m and 49.00 m
Size (W x B)	: 2 m (B) x 2 m (H)

7 Desanding Basin

Type	: DuFour with intermittent flushing
Dimension (L x B x H)	: 120 x 13 x 9.30 m
Inlet Transition Length	: 25.50 m
Particle Size to be settled	: 0.1 mm
Trapping Efficiency	: >90%

8 Headrace Pipe/Tunnel

Type	: Inverted D-shaped tunnel
Internal Diameter	: 2.90-3.50 m, varies
Length	: 6135 m
Steel Thickness/Type of Lining	: 150 mm-450 mm, varies
Nos. of Anchor Blocks	: Not Applicable

9 Surge Tank/Forebay

Type	: Restricted orifice
Effective Depth	: 49.85 m
Diameter (Or size)	: 7 m (1.2 m)
Up Surge Level	: EL. 2708.76 m asl
Down Surge Level	: EL. 2666.73 m asl

Normal Operation Level	: EL. 2683.53 m asl
10 Steel Penstock Pipe	
Type	: Underground, pressurized
Internal Diameter	: 2.10 m
Length	: 1406.69 m
Steel Thickness	: 10- 48 mm
Nos. of Anchor Blocks	: Not Applicable
Nos. of Saddle Supports	: Not Applicable
11 Powerhouse	
Type	: Underground
Size (L x W)	: 77.80 m x 14.00 m
Height	: 33.45 m
Turbine Axis Level	: 1906.40 m asl
12 Tailrace	
Type	: Inverted D-shaped tunnel
Tailrace Length	: 330 m
Size (W x D)	: 5 m x 5 m
Tailrace Water Level	: El. 1900.50 m asl
13 Turbine	
Type	: Pelton, Vertical axis
Number	: 3
Rated Output Capacity per unit	: 35.50 MW
Turbine Axis Level	: 1906.40 m asl
Net Head	: 767.68 m
Discharge per Unit	: 5.40 m ³ /s
Efficiency	: 90 %
14 Governor	
Type	: Digital Governor
Adjustment for Speed Drop	: 0-10%
15 Generator	
Type	: Vertical shaft
Rated Output Capacity per Unit	: 41.98 MVA
Power Factor	: 0.85
Generation Voltage	: 13.80 kV

Frequency	: 50 Hz
No of Units	: 3
Excitation System	: Brushless
Efficiency	: 97.50 %
16 Transformer	
Type	: 3x1 Ph, Oil Immersed
Rated Capacity	: 42 MVA
Voltage Ratio	: 13.80 kV/132 kV
No of Units	: 9+1
Vector Group	: Ynd11
Frequency	: 50 Hz
Efficiency	: 99.50 %
17 Transmission Line	
Voltage Level	: 132 kV
Length	: 45 km
Conductor Type	: BEAR
From	: Ila
To	: Banfikot, West Rukum
18 Project Cost Estimate	
Total Cost of the Project	: NRs. 19,901,454,303 (W/O financing)
19 Construction Period	: 5 years

3.3 Detail feasibility/Engineering study

An agreement was signed between NEA engineering, a subsidiary company of NEA and JHCL-HEP for the study of feasibility study and preparation of cost estimate and tender documents in respect of JHEP. Brief information about agreement reflecting all of its aspect is detailed as below.

Agency	Agreement Signed Date	Agreement end Date	Scope of work	Status of work	Contract award amount (NPR)	Amount released to Agency (NPR)	Ld/ Retention (NPR)	EOT	Remarks
NEA Engineering Co. Pvt. Ltd	6 Dec 2017	6 Jun 2019	Detail Design	Detail Design completed on Ashad 2077	34,87,00000 Revised contract amount 27,69,73,806.83	18,84,35,361.22 (For due amount final RA bill has been submitted by consultant.)		15 JUL 2020	
NEA Engineering Co. Pvt. Ltd	24 Dec 2017	24 Aug 2019	EIA Study	EIA is under progress	2,00,55,550.75			11 FEB 2022	

The progress of aforesaid contract to till date is as under:

Event	Completion Date (in months)	Status
Inception Report	3	Received
Design Basis Memorandum (DBM)	8	Received
Hydrological, Sedimentation and GLOF Report	10	Received
Geological Baseline Report including ERT	14	Received
Interim Design Report	18	Received
Draft Final Report including Tender Documents and Drawings	19	Received
Final Report	20	Received



Figure 1: Drilling For Geotechnical Study

Besides above, progress of additional works as per the company requirement assigned to above contract is tabulated as under:

Event	Status
Feasibility Study Report	Received
Topographic Survey Report	Received
Cadastral Analysis	Received
Updated Report	Received
Transmission Line Reconnaissance Survey Report	Received
Interim Drilling Report	Received
Design Cost Estimate and Preparation of the Tender Document of Test Adit and TRT	Received
Design Cost Estimate and Preparation of the Tender Document of 100 m Long Bridge over Bheri River in Tribeni	Received
Design Cost Estimate and Preparation of the Tender Document of Camp facilities	Received
Desk Study Report of the TL from Ila to Bafikot Substation (132 KV)	Received
Power Evacuation Report of the TL from Ila to Bafikot Substation (132 KV)	Received

3.4 Environment Impact Assessment (EIA)

EIA is required to implement any kind of structure with subsequent approval of same from GoN.

Status of EIA of the project JHEP is as follow:

Activity	Status	Completion Date	Remarks
Contract Agreement of EIA between VUCL and NEAEC	Completed	14-Dec-017	Contract between VUCL and NEAEC
Permission from department of NATIONAL Park and Wildlife Conservation (DNPWC) and Ministry of Forest and Environment (MOFE)	Completed	18-May-018	EIA Study
Feasibility Study permission from	Completed	25-Nov-018	EIA Study permission from MOFE

Ministry of Forest and Environment			
Permission from Ministry of Forest and Environment (MOFE) for EIA Study	Completed	28-Nov-18	Letter from NEAEC to JHCL
Condition for EIA Study of JHCL.	Completed	31-Jan-020	Letter from MOFE to JHCL
Scoping and TOR letter from JHCL to DOED	Completed	28-Aug-020	
Extension of time for EIA Study upto February 11, 2022	Completed	6- Nov-020	Meeting between JHCL and NEAEC
Presentation in DOED	Completed	5-Apr-021	
Comments from DOED	Completed	9-Apr-021	
Modification of Scoping and term of reference	Completed	12- Apr-021	letter from DOED
Modified Scoping and TOR forward for approval	Completed	14-Jun-021	Letter from JHCL to DOED
Letter from DOED to MoF	Completed	30-Jun-021	
Comments from DoF	Completed	4-Jul-021	

Time schedule of EIA activities is detailed as below for Fiscal year 2078-2079

Activity No.	Activity	Months of 2077										2078								Deliverables
		Kartik	Mangsir	Poush	Magh	Falgun	Chaitra	Baishakh	Jestha	Asar	Shrawan	Bhadra	Asoj	Kartik	Mangsir	Poush	Magh	Falgun	Chaitra	
1	Desk Study and preparatory work for Scoping and ToR																			This part is already completed. We had a presentation on Draft SD/ToR at DoED. We received comments/suggestion from DOED. we are incorporating those comments/suggetsions in coordination with proponent/ Report is at DoED and Expected to forward at MoFE
2	Publication of Public Notice in local area (7 days) and national Daily Newspaper (7 days) for Scoping Process																			
3	Public Consultation, stakeholder consultation for Scoping at Project area																			
4	Field Visit - Multidisciplinary Experts for preparation of SD and ToR																			
5	Drafting SD and ToR, Issue finalization and Priotization																			
6	Finalization of Scoping and TOR Document as per new EPR and submission for approval to MoFE through DOED/MoEWRI	■	■	■	■	■	■	■												
7	Approval process and approval of Scoping and TOR Document from MoFE					■	■	■	■											Approved Scoping and TOR
8	Collection of baseline data, Census, Survey for EIA (at least 2 season mandatory as per EPR 2077)									■	■	■	■	■						1. End of Shrawan and 1st week of Bhadra 2. End of Kartik and 1st week of Mangsir
9	Environmental baseline report for EIA Study									■	■	■	■	■						Environmental baseline report
10	Local Notice for Public Hearing (before preparation of EIA Report) and Public Hearing									■	■	■	■	■						End of Bhadra
11	Preparation of EIA document (based on approved Scoping, ToR and Public Hearing)									■	■	■	■	■	■					At least 6 months working days
12	Paste notice locally (7 days)									■	■	■	■	■						End of Bhadra
13	Publish notice in newspaper (7 days) and website									■	■	■	■	■						1st Week of Asoj
14	Collect recommendation from (a) local level (b) concerned office (time 15 days)									■	■	■	■	■						2nd Week of Asoj
15	Finalization of EIA document/Presentation at DoED/Re-Finalization										■	■	■	■	■					Draft EIA Report after public hearing
16	Submission of EIA document for approval to MoFE through MoEWRI															■	■	■		Last Week of Poush
17	Notice in national daily (7 days) and publish in website also																■	■		2nd week of Falgun
18	Approval of EIA document																■	■		Final EIA report approved from MOFE

3.5 Project Land

Land acquisition of the JHEP was completed on Falgun 2076. A detail of project land is as below.

Description	Area	Status	Remarks
Private Land	260 ropani	acquired	



Figure 2: Public Interaction Program During Land Acquisition

As per the project requirement additional Land is to be acquired for which rate finalization from CDO office of Dolpa has been accomplished. Due to Worldwide Nobel Covid pandemic the distribution of compensation for additional land to the affected people is on hold.

3.6 Test Adit Tunnel

For geological study at powerhouse a drift of 2.5/2.5 was proposed by JHEP and accordingly for executions of the works of the drift LOA was awarded to M/S Sherpa/P.S JV. The details of the contract and its status to till date is as under:

Activity	Contract award Date	Contract Completion Date	Name of Agency	Status till date	Contract amount inc VAT (NPR)	Amount paid to contractor till date (NPR)	Retention amount (NPR)	Remarks
Test Adit Tunnel	15-JUN-2020	JUL-13-2022	Sherpa/PS JV	Blasting work expected to commence within one week	87,41,6,331.86	1,71,26,891.96	4,45,287.60	EOT till 15 DEC 2021

Status of Explosive

On Dated 2077/10/15 a request letter for approval from the Nepal Army for the use of explosives to execute the works of drift was submitted and permission of same was granted from Nepal Army on dated 2077/05/04. However, the explosive was not instantly handed to the contractor from Nepal Army due to the shortage of explosives at army storage. To resolve the crisis of explosive further request letter for approval regards to purchasing of explosives from the neighboring country India was submitted to the army on dated 2077/12/23 and waiver of same from Nepal Army was issued on dated 2077/12/23. Subsequently, explosive was purchased from India and same has been transported to Site.



Figure 3: Test Adit Tunnel Under Progress

3.7 Prefab Office cum Residential Building

Necessary accommodation & offices for the employees at the site for the supervision of the pre-construction activities a pre-fab office cum residential building was planned and to execute the construction of the pre-fab office cum residential building contract was awarded to M/S Sherpa Hydro on dated 31-AUG-2020. Accordingly M/S Sherpa Hydro executed the works of the pre-fab office cum residential building and the same is almost at the completion stage.

Brief overview of the aforesaid contract is as below:

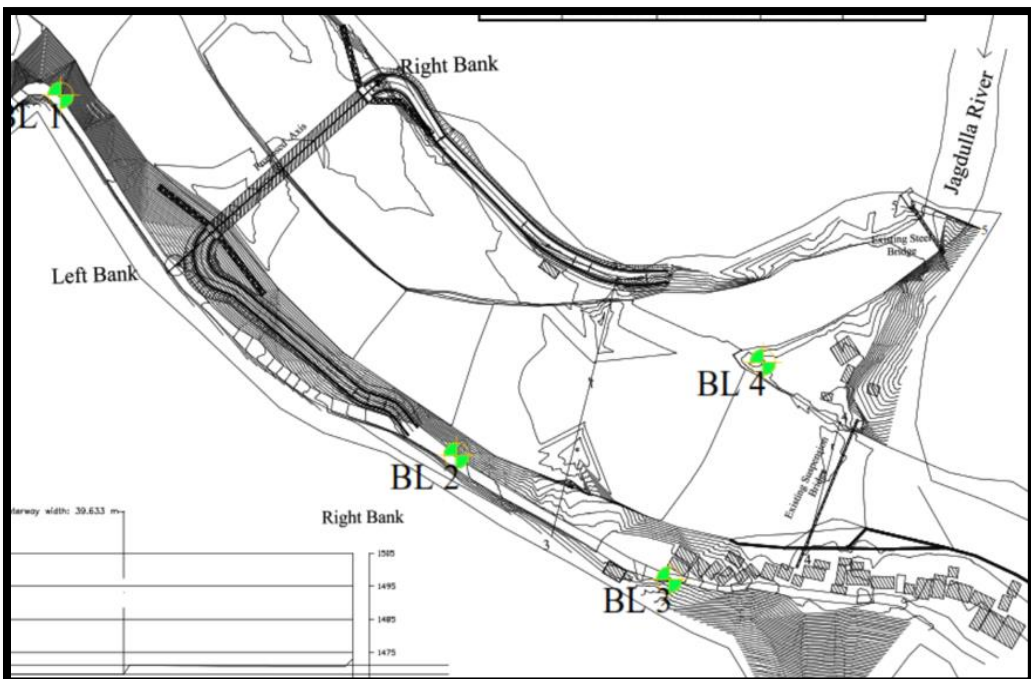
Activity	Contract award Date	Contract Completion Date	Name of Agency	Status till date	Contract amount inc VAT (NPR)	Amount paid to contractor till date (NPR)	Retention amount (NPR)	Remarks
Pre-fab Building	31 -AUG - 2020	31-APR- 2021	Sherpa hydro	90% Completed	17,25,3,827.79	85,55,259.74	3,78,551.32	EOT till 15 SEP 2021



Figure 4: Prefab Office cum Residential Building at final stage of completion.

3.8 Bridge

Under the access road, a bridge is to be built at Triveni, Jajarkot over the Bheri River. For construction of the Bridge over Bheri River a contract agreement was performed between Jagdulla Hydropower Company Limited and Caravan/Hirachan JV on dated 29-July-2020. As per contract Caravan/Hirachan JV has completed the design works of the bridge and the IEE of the Bridge is under the progress. Further to commence the site activities related the Bridge Caravan/Hirachan JV has started the site mobilization of its resources.



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

Activity	Contract award Date	Contract Completion Date	Name of Agency	Status till date	Contract amount inc VAT (NPR)	Amount paid to contractor till date (NPR)	Retention amount (NPR)	Remarks
Bridge (Under Access road)	2077-04-14	2079-10-13	Hirachan /Caravan JV	Detail Design completed	14,89,25,928.27	62,00,000.00		Over Bheri river

3.9 Power Purchase Agreement (PPA)

For the evacuation of power of JHEP after the completion of the project JHEP has approached the only one distribution company of Nepal - NEA for Power Purchase Agreement and continuous follow-up is being going on with NEA for the same.



Figure 5: Slide Presentation Of PPA at NEA Office

Till date, achievements regarding PPA between NEA and JHEP are as follows:

Activity	Status	Application submission date	Completion date	Remarks
Application to PDD of NEA,	completed	05-03-2021	On 27-6-2021 PDD of NEA called for Energy Locking.	Delay for energy locking due to covid-restrictions.
PPA Slide presentation at NEA office	completed		30/07/2021	
Energy locking signing	completed		28/06/2021	
Grid impact study presentation	completed		9/03/2021	
Connection agreement with NEA	Under progress		Within first quarter of this fiscal year	
Approval from Electricity Regulatory Commission	To be submitted		Within this fiscal year	
Final PPA with NEA	Under progress		Within this fiscal year	

3.10 Financial Closer (FC)

Financing of project is associated to the Cabinet decision made on 2075-11-27. The Cabinet concluded a program ‘JANTA KO JALVIDHYUT’ which brought a platform for Nepalese people for developing hydropower of Nepal by their involvement and ownership by means of shareholding. The program has also framed the shareholding of GoN agency for financing of the projects listed within the program. The share structure as define by the program is tabulated below.

i. Promoters shares

Description	Total percentage of share	Percentage of shareholding
Associated Province	51%	5%
Local Government		5%
GoN and its Agency		41%

ii. General Public shares

Description	Total percentage of share	Percentage of share holding
JHEP/Promoters Employee	49%	3%
Project affected local people		10%
District locals		33%
TL affected people		3%

Note: In case percentage of shareholding of JHEP/Promoters Employee, Project affected local people and TL affected people would not be achieved fully or partially than by means of notice share shall be sell out.

On the basis of above share structure the FC works is in full swing and its progress till date is as under.

- **Proposed Equity Management Plan**

- Promoters share holding

Promoters	Total percentage of share	Percentage of equity	MOU	Remarks
VUCL	51%	26	Under progress	
HIDCL		10	Under progress	
NEA/RBS		10	Under progress	
Associated province		5	Under progress	
Local GoN		1	Under progress	

- General public shares

Description	Total percentage of share	Percentage of share holding	Remarks
JHCL/Promoters	49%	3%	Share shall be issued after achieving 10% of progress of project.
Employee			
Project affected local people		10%	
District locals		33%	
TL affected people		3%	

- **Proposed Loan Structure Plan**

- Loan Structure proposed plan

Investors	Percentage of loan	MOU	Remarks
Provident fund	70		
HIDCL	30		

- Proposed Loan Structure Alternative Plan

Investors	Percentage of loan	MOU	Remarks
NIFRA	60		
NABIL	20		
RBS/HIDCL	20		



Interaction with EPF Staff related to FC



A team of high officials consisting of Secretary, Ministry of Energy, Water Resources and Irrigation, Joint Secretary, Ministry of Finance, Deputy General Manager of National Insurance Committee, Managing Director of Vidhyut Utpadan Company Limited on dated 2077/11/24 visited the site and observed the progress of the project subject to financial management with respect to investment of JHEP. Project overview via PPT presentation at NIFRA, Provident Fund, Others Banks and Financial intuitions viz-aviz financing (loan) the project has already been completed.

4. Jagdulla A Hydropower project (JAHEP)

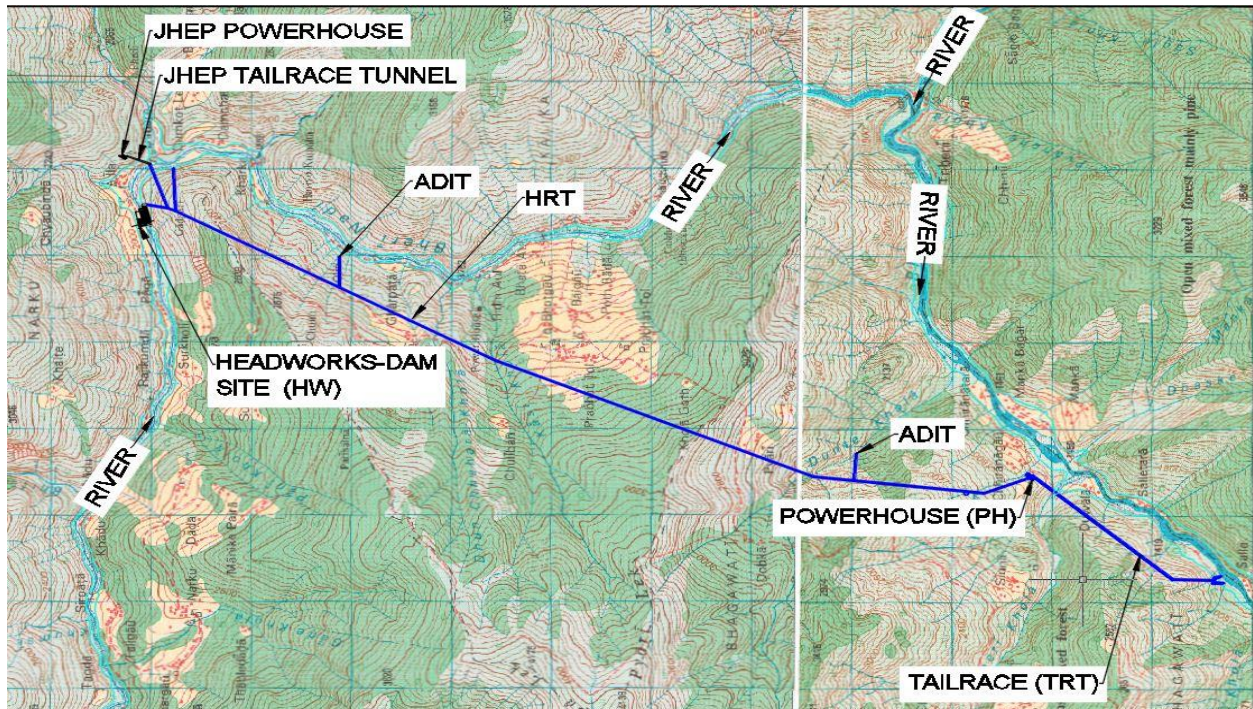
Besides executing the works of JHEP the team members and board management are also engaged in developing of Jagdulla-A HEP, a cascade project of Jagdulla Hydropower Company Limited.

4.1 Survey License:

The Survey license received from DoED on 09.04.2077 for a feasibility studies of Jagdulla–A.

4.2 Project Layout:

The project layout of JAHEP is as below:



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

4.3 Detail 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	Under progress
Design Basis Memorandum (DBM)	10	Under progress
Draft Hydrological, Sedimentation and GLOF Report	10	

Hydrological, Sedimentation and GLOF Report	14	
Interim Design Report	12	
Power Market, Power System and Evacuation Study Report	13	
Geological Baseline Report	14	
Draft Feasibility Study Report	19	
Feasibility Study Report	20	
Design Workshop	21	
Draft Tender Document and Tender Drawing	22	
Final Detailed Engineering Study Report	24	
Final Tender Document and Tender Drawings	24	
Bio Monthly Progress Report with Presentation	Within 15 days of the Reporting Month	

5. Budget Summary of Previous and Current Fiscal Year

The project and administrative expenditure of fiscal year 2077-2078 of JHEP was affected by worldwide Pandemic Nobel Corona Virus.

It was deemed the completion of detail Feasibility/Engineering of JHEP and 1/3 EIA study of JHEP in the fiscal year 2077-78. However covid-19 affected the schedule works and its proposed budget. In similar manner Compensation distribution to the land affected owners of additional land required for JHEP was too affected by the Covid-19. The time consuming approval from army for use of explosive, shortage of same at Nepal Army storage and purchasing of the explosive from neighboring country INDIA as is resulted JHEP a long period for the use of explosive, ultimately halted the test audit tunnel works for long period and consequently fall in the proposed budget of the works. Because of aforesaid reasons only expenditure of 54 % (Seventeen crore thirty-three lakhs eighty six thousand five hundred and eighty) of the total revised approved budget of fiscal year 2077-78 was achieved.

Information regarding the approved budget and expenditure of same of fiscal years 2077-78 is tabulated as below.

S. N.	Budget	Fiscal year 2077-78			Progress in percentage
		Approved Budget	Revised Budget	Expenditure till end of fiscal year.	
1	Current expenditure	34,121,030	34,921,030	25024650.27	72 %
2	Project Expenditure				
2.1	Jagdulla PProR Hydroelectric Project	273,089,000	272,289,000	93909643.77	34 %
2.2	Jagdulla-A hydropower project	150,000,00	150,000,00	160,000,00	107 %
3	Capital expenditure	930,000	930,000	131908.95	14 %
Total		323,140,030	3,23,140,030	137347949.12	42 %

6. Main objectives, policies and programs of fiscal year 2078/79

6.1 Main Objectives:

1. As detailed engineering study report and bidding documents have been received for the development of the project, the necessary pre-construction activities such as obtaining the approval of the EIA report from DoED , financial closure required for the construction of the project , PPA between NEA and JHEP for the evacuation of the JHEP power after the completion of the project and obtaining the generation license shall be achieved before the commencement of the construction works.
2. Hiring of main consultant for the regular monitoring and supervision of the construction works during the construction of the project and engaging it to accomplish the pre-qualification works of Lot 2 (civil and hydro-mechanical) & float the NIT of Lot-2 package and evaluate the bids of same.
3. Commencement of upgrading of access road, concrete or Bailey Bridge and office cum residential building before the construction of the project.
4. Under the social responsibility for the local residents of the project affected villages and wards programs is to be created for better relationship between project, the local government and the residents as it to create an environment to support and facilitate the completion of the project by mitigating the obstacles during the construction of the project.
5. To expedite the detailed Feasibility and Engineering study work of the company's new project Jagdulla-A Hydropower Project (82.3 MW).

6.2 Policy and Program:

S. N	Policy and Programs	Goal
1.	Approval of EIA report from GoN	Getting Approval of ToR and Scoping of the Environmental Impact Assessment Study from Ministry of Forest & Environment and receiving the final approved report of the Environmental Impact Assessment Study from the aforesaid Ministry.
2.	Hiring of main consultant	Hiring of main Consultant for regular monitoring and supervision of construction works during project construction.
3.	Pre-qualification and tender works related to Lot 2 (Civil and Hydro-Mechanical)	Floating notice for the pre-qualification of contractors of LoT-2 and completion of evaluation of same. Floating NIT for financial and technical bids to the contractors selected under PQ.
4.	Power purchase agreement works	Since Energy locking has been completed with regards to applied application to NEA in respect of PPA between NEA and JHEP for the evacuation of the JHEP power after the completion of the project further works of PPA shall be carried out to accomplish the PPA between NEA and JHCL.
5.	Financial closing	Since the projects falls under 'JANTA KO JALVIDHYUT' accordingly equity required to be revised and concerned stakeholder has been intimated of same .The aforesaid works shall be completed within this fiscal year. Financial Closing will be completed by coordinating with the financial intuitions and banks for the loan required for the construction of the project.
6.	Obtaining generation license	Application shall be applied to DoED to obtain the generation License after receiving the approval of ToR and Scoping of EIA from DoED.

7.	Construction works of Test adit tunnel	The under progress excavation works of 250 meter adit for additional geological study of powerhouse shall be completed. NIT shall be floated as required to carried out the geological study of tailrace tunnel and construction works of same shall be commence.
8.	Construction of Bridge and access road	<p>Under the concept of Design & Build, contract of bridge at the starting point of the access road of the project (in Triveni, Dolpa) has been awarded and design and IEE of same has been approved from the JHEP. Consequently, as per the approved construction schedule woks shall be executed.</p> <p>Commencement of construction of additional Bailey Bridges on the access road of the project in coordination with the Karnali State Government.</p> <p>As the state government has already started the work of opening the track of the access road of the project (Tribeni-Illa-Kaigau Road), NIT shall be floated for upgrading of road and accordingly commencement of construction works of same.</p> <p>To start the process of construction of the road from the power house of the project to the surge tank.</p>
9.	Construction works of residential cum office buildings	<p>As the construction work of the temporary prefab building at the power house site, Illa is in the final stage, the work will be completed.</p> <p>Construction work shall be carried out by floating NIT for the required office cum residential buildings (Main Building) for the JHEP and consultant staff.</p>
10.	Additional land acquisition work	As the consultant has submitted a report to acquire 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.

11.	Training and career development	By identifying appropriate programs for the career development of the working employees, training including field visit shall be performed.
12.	Social Responsibility Program (CSR)	In coordination with the concerned local bodies necessary programs shall be formulated and performed.
13.	Jagdulla-A Hydropower Project (82.3 MW)	Obtaining reports from the consultant accordingly to the agreement reached between NEA Engineering and JHCL associated to Detail Engineering study of Jagdulla-A Hydropower Project(82.3MW)
14.	Other works	For further study of the project Gauge Reading, Discharge Measurement and Sediment Sampling work shall be continued. Hiring of consultancy services as required by the JHEP during course of time.