



## **Nepal Investment Summit 2024**



**Government of Nepal  
Investment Board Nepal**

### **Request for Expression of Interest (EOI)**

**Project Name: Bharbhung Storage Hydropower Project**

**EOI No.: NIS2024/OIBN/EoI-10**

**First Date of EOI Publication: 28<sup>th</sup> April 2024**



## ABBREVIATIONS

DOED	Department of Electricity Development
EM	Electromechanical
EOI	Expression of Interest
GoN	Government of Nepal
IBN	Investment Board Nepal
JV	Joint Venture
MoEWRI	Ministry of Energy, Water Resources and Irrigation
NIS	Nepal Investment Summit
OIBN	Office of the Investment Board Nepal
PPP	Public-Private Partnership
RfP	Request for Proposal



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## 1. BRIEF DESCRIPTION

Investment Board Nepal is a high-powered agency chaired by Rt. Hon. Prime Minister established as a nodal agency for Public Private Partnership (PPP) and investment promotion in Nepal. Since its establishment, IBN has played an instrumental role in implementing transformative infrastructure projects fundamental to bolstering socio-economic development of the country. IBN has provided investment approvals – for both Public-Private Partnership and direct Private Investment projects. Being guided by the long-term vision (2043), the 15<sup>th</sup> Plan, and other subsequent policies of the Government of Nepal; and international commitments such as Sustainable Development Goals, IBN has been developing credible and bankable projects to garner investment.

The Third Nepal Investment Summit is scheduled for 28<sup>th</sup> & 29<sup>th</sup> April 2024. The main objective of the Summit is to promote Nepal as a promising investment destination and to attract domestic and foreign direct investment in various sectors. The summit is expected to bring together prominent national and international speakers, dignitaries, sector specific experts and high-level government officials. During the Summit, various projects shall also be showcased to existing and new investors and developers.

A rigorous exercise has been undertaken to collect, evaluate, screen, and prepare projects for solicitation through EOI, market sounding, and showcasing other projects at different stages in pipeline. This expression of interest is issued at NIS 2024 as per Clause 16 of the Public Private Partnership and Investment Regulation 2077. The summit will also be an opportune venue for developers to meet potential investors for equity and debt portions in projects.

Among the projects selected for solicitation **Bharbhung Storage Hydropower Project** is one of them. The project related studies were carried out by the Department of Electricity Development. The dam of this project is situated about 3 km upstream of Kakkot Village, with the powerhouse positioned just upstream of the Bharbhung Tatu confluence, covering an inundation area of 527.63 ha. The powerhouse alternatives are located approximately 19 km and 25 km from Dunai Bazar, with road construction pending completion. Access to the project site is currently via Juphal Airport, reachable from Nepalgunj Airport, until the linking road is finalized. Land requirement for the project is Approximately 100 Hectares. The power generation of the project is 337.1 MW with contribution of 915.94 GWh energy annually. At present, the feasibility study of this project is in the interim draft report phase. *(Details provided in this EoI are based on the Interim Draft Report of Feasibility Study and may change during the final report submission of Feasibility Study being carried out by the Department of Electricity Development (DoED))*

A brief introductory description of the projects is attached to this document.

## 2. BIDDING PROCESS SCHEDULE

The OIBN shall adhere (tentatively) to the following schedule to evaluate and shortlist from the EOI received for the Request for Proposal.

EOI issue Date: 28<sup>th</sup> April 2024, 12:00 AM (Nepal Standard Time)

Last date of submission of EOI: 12<sup>th</sup> June 2024, 12:00 PM (Nepal Standard Time)

EOI opening date and place: 12<sup>th</sup> June 2024, 12:00 PM (Nepal Standard Time), Office of the Investment Board Nepal

Application Evaluation result: 12<sup>th</sup> August 2024



Interested parties are requested to submit their EOI along with all necessary documents online at [www.eoi.investinnepal.gov.np](http://www.eoi.investinnepal.gov.np).

Contact Details:

Name of Agency: Office of Investment Board Nepal  
Address: ICC Complex, New Baneshwor, Kathmandu  
Phone no.: +977-01-4575277, +977-1-14575278; Fax: +977-1-4575281  
Email address: [info@ibn.gov.np](mailto:info@ibn.gov.np); website: [www.ibn.gov.np](http://www.ibn.gov.np)

*The details of the project structuring will be done before the RfP is issued and the details will be provided with the RfP document. OIBN reserves the right to shortlist or not to shortlist any or all the applicant(s) without assigning any reasons whatsoever. A pre-bid conference shall be held only at the RfP stage.*

### 3. PRE-QUALIFYING CRITERIA

The applicants must meet the following pre-qualifying criteria to be considered for further evaluation and shortlisting.

- a) Minimum of 10 years of experience of the applicant or the lead partner (in case of JV/consortium) in development of hydropower projects.
- b) Must have completed development of at least one Hydropower Projects in the past 5 years whose Power capacity should not be less than 253 MW. (*Completed development projects means: For domestic developer, at least EM works-initiated projects for which letter issued from DOED regarding the custom facilities is required and for international developer, project completion/operation certificate is required*)

OR

Must have completed development of hydropower projects with aggregate capacity of 2023 MW in past 20 years.

- c) Must have completed development of at least one storage project with Dam of Height 84 meter in past 20 years.
- d) Must have completed development of at least one HPP with the significant amount (Minimum of 500 Person) of resettlement component in past 20 years.
- e) The net worth of the applicant or JV (in case of JV/consortium) should be equivalent to at least 216 million USD at the time of making the application/proposal. In the case of JV/Consortium, the net worth will be calculated based on the percentage share as mentioned in the JV agreement or MOU. If no such share is indicated, the net worth of the lead firm will be considered.

*Note: The currency exchange rate of the first date of EOI publication will be considered for conversion of net worth and project scale if reported in currency other than USD.*

#### 4. APPLICATION PROCEDURE

The developer/investor who meets the above pre-qualifying criteria can make the application for the project.

- a) Application may be made by a single entity or a group of entities (Consortium or JV) comprising up to three different companies/parties including a lead member.
- b) A consortium/JV may fulfil the pre-qualifying criteria in a joint /cumulative manner, except for the number of years of work experience.
- c) A non-refundable fee of NPR 150,000 shall be payable for each application (PPPIR 2077, Clause 17 (3)) at the time of making the application. Any application submitted without the proof of payment of the fee will be considered non-compliant.
- d) The fee must be deposited or electronically transferred to the following bank account of OIBN:

Account No.: 1420100102100001

Account Name: OFFICE OF THE INVESTMENT BOARD

Bank name: Rastriya Banijya Bank (RBB)

Bank Branch: Baneshwor

SWIFT Code: RBBANPKA

- e) Please use "Company name\_Project name" as the reference code for the payment made in the case of the online payment.
- f) After payment of the fee is made, the OIBN shall assign a focal person and may provide additional documents or information relevant to the project (if available).
- g) Applicants should submit the EOI with all required documents online by 12<sup>th</sup> June 2024 (12:00 PM Nepal Standard Time).
- h) The Government of Nepal (OIBN or relevant government) shall review the proposal and ask additional information if required.

*Note: If the corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such consultant's proposal shall be excluded during the evaluation.*

#### 5. CHECKLIST

Clause 17 of the PPPIR 2077 mentions that the interested investor shall acquire the request for expression of interest from the concerned agency or website and submit the documents as mentioned in the request for proposal document. Following documents and information must be submitted while submitting the EoI.

1. Notarized copy/ies of VAT/PAN registration certificate (for national developer) and official company registration certificate (for international developer).
2. Detailed profile of the developers/investors, including profile of senior management team, and annual report audited financial statements for at least past three years, latest tax clearance certificate.
3. Where the interested party is considering potential consortium partners, an indication of such intention and details of potential consortium partners (to the extent known). The interested party should clearly state the role of the consortium members and detail the scope they would intend



to deliver, for example, design services, construction and commissioning services, facilities management services.

4. Evidence of power of attorney.
5. Project concept, plan, and information on financial, economic, social, technical, and environmental feasibility.
6. Method of project implementation, project development modality and work schedule.
7. Business plan with basic financial statements
8. Financial arrangement and source of investment
9. Self-declaration letter on validity and accuracy of the projects and details submitted and against corruption charges.
10. Expected support from GoN, if any.
11. All the documents need to be properly signed and stamped.
12. Other relevant information, if any.

## Brief Project Description

<b>Descriptions</b>	<b>Parameters</b>
Project name	Bharbhung Storage Hydropower Project
Location (Longitudes and latitudes of the points bordering the project area)	
North – West Coordinates	28°50' 45" N and 83°03' 30" E
North – East Coordinates	28°50' 45" N and 83°22' 15" E
South – East Coordinates	28°55' 45" N and 83°22' 15" E
South – West Coordinates	28°55' 45" N and 83°03' 30" E
Province	Karnali
District	Dolpa
Municipality/ Rural Municipality	Chharka Tangsong Rural Municipality Ward No. 3,4,5,6 and Kaike Rural Municipality Ward No. 1
Accessibility	
Nearest Road head	Dunai-Lawan-Dho road
Nearest Airport	Jufal, Dolpa
<b>General</b>	
Name of the River	Bharbhung
Type of Project	Storage
Location of the dam	Approx. 3 km upstream of Kakkot Village
Location of the powerhouse	Downstream of the confluence of Bharbhung and Tatu River
Inundation Area	527.63 ha
Maximum inundation depth	152 m
Design Discharge	55.3 m <sup>3</sup> /s
Installed Capacity	337.1 MW
Gross Annual Energy	943.9 GWh
<b>Hydrology</b>	
Catchment area at dam site	1434.44 km <sup>2</sup>
Long term annual average flow	19.39 m <sup>3</sup> /s
100 years flood	188 m <sup>3</sup> /s
1000 years flood	228 m <sup>3</sup> /s
Construction flood	160 m <sup>3</sup> /s
Annual Rainfall	359.3 mm
<b>Diversion structure</b>	
Coffer Dam	Earthen materials (Locally available) of 7m High
Diversion Tunnel	Inverted D (6m radius)
Length of Tunnel	766.10m
<b>Dam</b>	
Type	Concrete Faced Rock Fill Dam
Bed level at Dam site	3266 masl
Elevation at dam crest	3434 masl
Elevation of Foundation Level	3265 masl
Dam Height	168 m (From foundation Level)



Spillway	Ungated morning-glory crested spillway on the left bank
Width at crest	56.55 m (Inlet Diameter of 9m)
<b>Intake</b>	
Type	Side intake with vertical fixed wheel gate and inclined trash rack
Numbers of openings	2
Design Discharge per opening	26.20 m <sup>3</sup> /s
<b>Headrace tunnel</b>	
Type	Horseshoe-shaped
Length of Tunnel	16000 m
Finished Diameter for Concrete lined tunnel	5.1 m
Finished Diameter for Shotcrete lined tunnel	5.9 m
Height	5.0 m
No of Adits	4
<b>Surge Shaft</b>	
Type	Underground and circular
Diameter	20 m
Height	143 m
Max Upsurge level	3452.82 masl
Min Downsurge level	3326 masl
<b>Pressure shaft</b>	
No of High-pressure shaft	2 no of Drop Shafts
Total length	570 m
Diameter	4.0 m
<b>Powerhouse</b>	
Type	Underground
No of Units	6 no of Pelton Turbines
Switchyard	Indoor GIS
Tailrace tunnel	527 m long and 7.0 m dia and 6.5 m high
<b>Transmission line</b>	
Transmission Voltage	220 kV Double Circuit
Length of Transmission line	25 km
Power Evacuation Point	Proposed 400/220/132 kV Dunai Substation

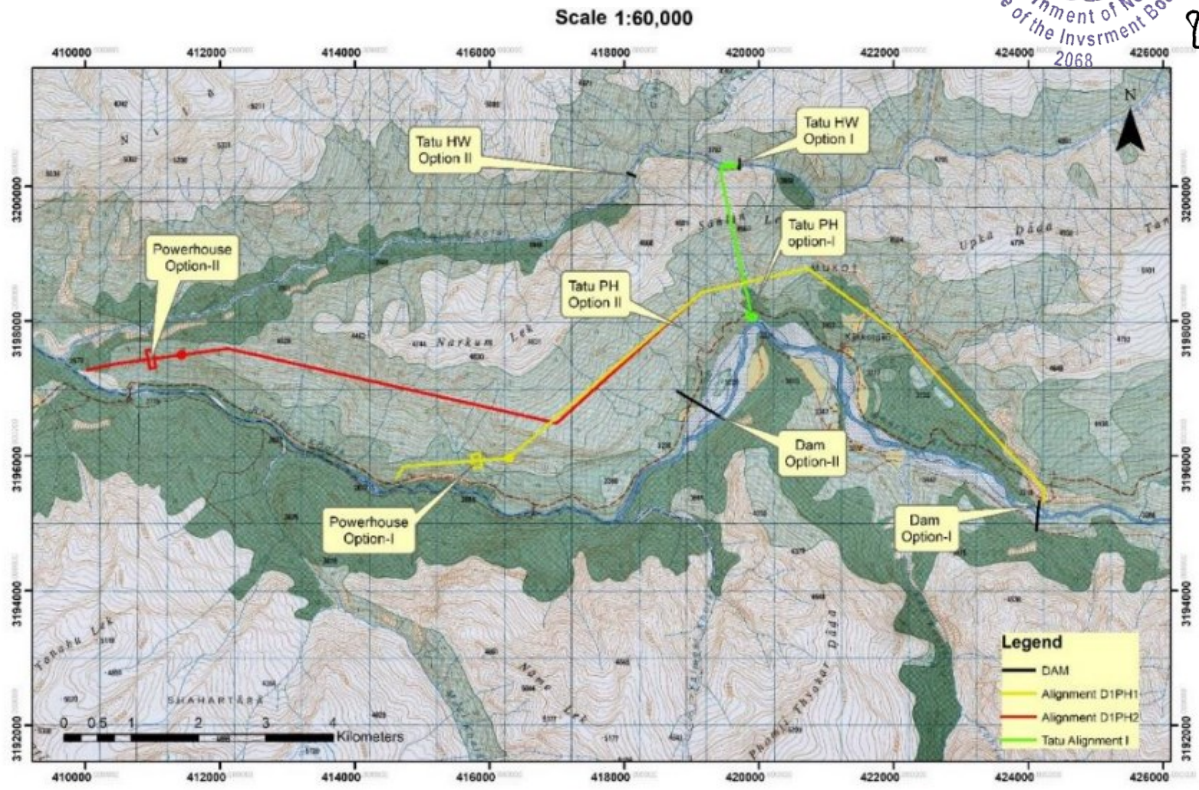


Figure 1 Layout for the Best alternative (Option II)