



Government of Nepal
Ministry of Energy, Water Resources and Irrigation
DEPARTMENT OF ELECTRICITY DEVELOPMENT
Sanogaucharan, Kathmandu

EXPRESSION OF INTEREST (EOI)

for

**DEVELOPMENT OF HUMLA KARNALI HYDROPOWER PROJECT
(61.02 MW), HUMLA DISTRICT ON A BUILT-OWN-OPERATE-
TRANSFER (BOOT) MODEL**

From Companies or Joint Venture (JV) Partners registered in Nepal

EOI No.: DOED/BOOT/2081/82/EOI-03

EOI Issue Date: Saturday, May 10, 2025



ABBREVIATIONS

BOOT	Build Own Operate and Transfer
DoED	Department of Electricity Development
EIA	Environmental Impact Assessment
EOI	Expression of Interest
EPA	Environment Protection Act
EPR	Environment Protection Rules
GoN	Government of Nepal
IEE	Initial Environmental Examination
MoEWRI	Ministry of Energy Water Resources and Irrigation
PPA	Power Purchase Agreement
PPP	Public-Private Partnership
PPPIA	Public Private Partnership and Investment Act
PPPIR	Public Private Partnership and Investment Regulation
RFP	Request for Proposal

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1 BRIEF DESCRIPTION

1.1 BACKGROUND

The Department of Electricity Development (DOED) under the Ministry of Energy, Water Resources, and Irrigation (MoEWRI), is tasked with the development and promotion of the electricity sector in Nepal. Its primary goal is to enhance the sector's financial efficiency at the national level by attracting private sector investments.

The Department of Electricity Development (DoED) works with and assists MoEWRI to implement government policies related to power and electricity sector. Key functions of the DoED include ensuring transparency in the regulatory framework and facilitating private sector involvement by offering "One Window" service and issuing licenses for power projects.

The DoED has played a pivotal role in creating a conducive environment for private sector participation in electricity sector, as outlined in the Hydropower Development Policy 2058 and Electricity Act, 2049. It is also engaged in identification, feasibility studies and detail design of hydropower projects of various capacities. The department has successfully completed the feasibility/detailed engineering design and environmental studies of several hydropower projects.

Under the "Directive of Licensing of Electricity Projects 2075, (including amendments)", hydropower projects studied by DOED are listed under the Government of Nepal (GON) Project Bank (Clause "19 Ka" of the directive). Projects whose Generation Licenses are canceled are also listed under the GON Project Bank (Clause "19 Ga" of the directive). Both categories of reserved projects require development through competitive bidding processes (Clause 22 of the directive). The selection process will be conducted in accordance with the provisions of Public Private Partnership and Investment Act (PPPIA), 2075 and Public Private Partnership and Investment Regulation (PPPIR), 2077. As per MOEWRI's approval, the selection of proponents will be based on the value of the upfront fee proposed by the short-listed proponents, which will participate later in the RFP stage.

Under the two-stage competitive selection process as envisaged in PPPIA, 2075 and PPPIR, 2077, DoED now invites Expression of Interest (EOI) from eligible companies, registered in Nepal, or their Joint Venture, referred to as "Proponent" to develop the following hydropower project ("Project"). The EOI submitted by the Proponents will be evaluated as per the evaluation criteria mentioned in Section 4 and the shortlist of eligible Proponent(s) will be prepared. The Request For Proposal (RFP) will be issued to the shortlisted Proponent(s) for selection of the successful Proponent. The selected Proponent will be issued a Project license under the Electricity Act, 2049 and Electricity Regulations, 2050 to develop the project on Build, Own, Operate and Transfer (BOOT) model.

SN	EOI Number	Project Name	Type of Project
1	DoED/BOOT/2081/82/EOI -03	Humla Karnali Hydropower Project (61.02 MW), Humla District	Run of River

1.2 PROJECT SALIENT FEATURE

The salient feature of Humla Karnali Hydropower Project (61.02 MW), Humla District as per previous study is given below.

GENERAL

Name of the Project	:	Humla Karnali Hydropower Project
Name of River	:	Karnali River
Type of Scheme	:	Run-of-river

LOCATION AND ACCESSIBILITY

Location	:	Namkha Rural Municipality (formerly Muchu VDC), in Humla District of the Karnali Province of Nepal
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Nearest Airport	:	Simikot Airport
Nearest Road Access (Nearest Highway)	:	Hilsa-Simikot Road section (of under construction Jamunaha- Hilsa Karnali Corridor)

HYDROLOGY

Catchment area at intake site	:	4430.66 km ²
Design discharge (45% exceedance)	:	44.50 m ³ /s
Average Annual Discharge	:	72.75 m ³ /s
Average Minimum Monthly Discharge	:	16.28 m ³ /s
Average Maximum Monthly Discharge	:	193.08 m ³ /s
Minimum environmental release; 10% of minimum flow	:	1.72 m ³ /s
Flood discharge for headworks design (100 years)	:	727 m ³ /s
Flood discharge for Powerhouse/tailrace design (100 years)	:	822 m ³ /s

GEOLOGY

Regional Geology	:	Project Area lies in the Higher Himalaya and few parts in the Tethys Himalaya, Far-Western Nepal Himalaya. High grade metamorphic rocks like augen gneiss, gneiss, migmatitic gneiss, schists and low-grade metamorphic rock like phyllite and quartzite are the main rock units found within the project area
Major Rock types in headworks	:	Left bank is composed of the bedrock of Banded Gneiss and Augen gneiss while right bank is covered by thin Colluvial slide
Major Rock types in waterways	:	Banded gneiss, Augen Gneiss with bands of Schist and Quartzite.
Major Rock types in powerhouse	:	Augen Gneiss

RIVER DIVERSION

Type of River Diversion	:	Overflow Concrete Ogee Weir
Weir Crest Elevation	:	3066 masl
Weir Crest Length	:	Approximately 34 meters
Normal Water Level	:	3066 masl
Weir Crest Height	:	10 m
Length of Stilling Basin	:	42.80m
River Diversion During Construction	:	
Construction Flood	:	1 in 20 dry year return period
Type of River Diversion	:	Coffer Dam

UNDERSLUICE

Number of Bays	:	2
Dimension (B x H)	:	3m x 4m
Undersluice Invert level (masl)	:	3056.00 masl
Gate type	:	2 nos. Radial gates

INTAKE STRUCTURE

Type	:	Side Intake
Size (H x B)	:	4.3m x 4.5m
Nos.	:	4
Intake Invert Level	:	3060.70 masl
Intake Sill Level	:	3065.00 masl
Gate Type	:	4 nos. vertical gate
Clear opening of trash rack	:	75 mm

**GRAVEL TRAP AND GRAVEL FLUSHING**

Type	:	Hopper Flushing Type
Nos.	:	4
Size (LxB)	:	9.5m x 4.5m
Depth of Hopper	:	2.30m
Settling Criteria	:	5mm particle to be trapped
Size of Flushing Canal (LxBxH)	:	50m x 1.8m x 3.5m
Bed Slope of Flushing Culvert	:	1 in 50m

APPROACH TUNNEL

Type	:	Inverted D Shaped, Pressurized
Number	:	3
Diameter	:	3m
Length of longest tunnel	:	176.86 m

SETTLING BASIN

Type	:	Double Hopper Bottom, Underground
No. of Bays	:	3
Particle size to be settled	:	0.2mm
Design Settling efficiency (%)	:	100% (Camp Efficiency)
Inlet Transition	:	26.40m
Size (LxB)	:	100 m x 12.3 m (each bay)
Water Depth	:	8.16m
Depth of Hopper	:	2.96m
Longitudinal Slope (V:H)	:	1:40

DESANDER OUTLET

Number of Central Orifice	:	1
Height of Orifice	:	2.80m
Width of Orifice	:	2.00m
Number of Side Orifices	:	2
Height of Orifice	:	2.80m
Width of Orifice	:	1.70m

FLUSHING TUNNEL

Diameter of Flushing Tunnel	:	3.5m
Length of Flushing Tunnel	:	218.93m

HEADRACE TUNNEL

Type	:	D Shaped tunnel, Pressurized
Length	:	6941.65 m
Excavation Diameter	:	5.50 m
Finish Diameter	:	Varying from 5.40m to 5.10m w.r.t. rock class
Support Type	:	
Class I	:	3 m long 20mm dia. Spot bolting +5 cm plain shotcrete
Class II	:	3 m long 20mm dia. pattern bolting @1.8*1.8m spacing from c/c +5 cm srf shotcrete
Class III	:	3 m long 20mm dia. pattern bolting @1.6*1.6m spacing from c/c +7.5 cm plain shotcrete
Class IV	:	3 m long 20mm dia. pattern bolting @1.4*1.4m spacing from c/c +10 cm srf shotcrete



Class V	:	3 m long 20mm dia. pattern bolting @1.2*1.2m spacing from c/c +15 cm srf shotcrete, ISMB 150*75 rib at the spacing of 1.5 m
Class VI	:	3 m long 20mm dia. pattern bolting @1.0*1.0 m spacing from c/c +20 cm srf shotcrete, ISMB 150*75 rib at the spacing of 1.0 m

SURGE TANK

Type	:	Simple Cylindrical Type
Internal Diameter	:	10m
Height	:	67.00 m
Invert Level	:	3028.00 masl
Up surge level (masl)	:	3091.87 masl
Down surge level (masl)	:	3036.66 masl
Top level of Surge Tank (masl)	:	3095.00 masl

SUPPORT TYPE

Class I	:	4.0 m long 20mm dia. Spot bolting +5 cm plain shotcrete
Class II	:	4.0 m long 20mm dia. pattern bolting @ 2.3*2.3 m spacing from c/c +5 cm srf shotcrete
Class III	:	4.0 m long 20mm dia. pattern bolting @1.8*1.8m spacing from c/c +7.5 cm plain shotcrete
Class IV	:	4.0 m long 20mm dia. pattern bolting @1.6*1.6m spacing from c/c +10 cm srf shotcrete
Class V	:	4.0 m long 20mm dia. pattern bolting @1.4*1.4m spacing from c/c +15 cm srf shotcrete, ISMB 150*75 rib at the spacing of 1.5 m
Class VI	:	4.0 m long 20mm dia. pattern bolting @1.2*1.2m spacing from c/c +20 cm srf shotcrete, ISMB 150*75 rib at the spacing of 1.0 m
Class VII	:	4.0 m long 20mm dia. pattern bolting @1.0*1.0m spacing from c/c +25 cm srf shotcrete, ISMB 150*75 rib at the spacing of 0.7 m

PENSTOCK

Type	:	Surface IS 2062: 2011 E350 BR
Material	:	Ultimate Tensile Stress-490 N/mm ² Yield Stress-350 N/mm ²
Total Length	:	491.36 m
Diameter	:	3.50 m
Thickness	:	14mm to 36mm
Number of Anchor Blocks	:	7

POWERHOUSE

Type	:	Surface
Plan Dimension (L x B x H, m)	:	53m x 15.6m x37.7m
Machine floor level (masl)	:	2899.78 masl
Minimum foundation level (masl)	:	2892.90 masl
Foundation type:	:	Machine foundation

TAILRACE CULVERT

Type	:	Box Culvert
No. of culverts	:	2
Size (B x H)	:	3.50 m x 3.6 m
Length	:	24.84 m
Minimum tail water level	:	2901.68 masl



Normal tail water level	:	2904.00 masl
Invert level of tailrace at outlet	:	2900.97 masl

TURBINE

Type	:	Vertical Axis Francis Turbine
Number of Units	:	3
Gross Head	:	162m
Maximum Head	:	160.90m
Minimum Head	:	156.51m
Rated net Head/ Design Head	:	156.51m
Discharge per Unit	:	14.83m ³ /s
Turbine Axis Elevation	:	2899.42masl
Turbine Efficiency	:	93%

GOVERNOR

Type	:	Digital Electronic with PID type
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GENERATOR

Type of Generators	:	Three Phase Salient Pole, Synchronous generator
Capacity	:	23.702 MVA
Number of units	:	3 (Three)
Power factor	:	0.85
Generating Output Voltage	:	11 kV
Frequency	:	50 Hz
Cooling	:	Totally Enclosed Water to Air Cooling (TEWAC)
Efficiency	:	97%
Synchronous Speed	:	600 RPM

TRANSFORMER

Type	:	Outdoor, oil immersed, ONAN
Number of Phases	:	Three (3)
Number of Unit	:	3
Rating	:	24MVA
Rated Voltage	:	Primary side – 12 kV and Secondary Side -145 kV
Frequency	:	50Hz
Vector Group Reference	:	YNd11

SWITCHYARD

Type	:	Outdoor
Dimensions (L x B)	:	70m x 40m

TRANSMISSION LINE

Transmission Voltage	:	132 kV
Length	:	31.6km
Connection Point (Location)	:	Switchyard of Humla Karnali Cascade (914 MW)

POWER AND ENERGY

Gross Head	:	162 m
Net Head	:	156.51 m
Installed Capacity	:	61.02 MW
Dry Season Energy	:	142.90 GWh
Wet Season Energy	:	247.39 GWh



Total Annual Energy : 390.29 GWh

ACCESS ROAD

From Simikot to Yangar : About 33 km

From nearest road section at Yangar to Powerhouse and Surge Area : About 4.46 km (District Rural Road- Hill – 5.25m Roadway width)

From Yangar to Tumkot : About 14 km

From nearest road section at Tumkot to Headworks option I Area : About 2.63 km (District Rural Road- Hill – 5.25m Roadway width)

Access road from nearest road section to Adit Tunnel I Portal : About 1.84 km (District Rural Road- Hill – 5.25m Roadway width)

Access road from nearest road section to Adit Tunnel II Portal : About 2.13 km (District Rural Road- Hill – 5.25m Roadway width)

FINANCIAL PARAMETERS

Estimated Cost of the Project : NRs. 16,773,559,000

Price Level : 2023

Internal Rate of Return (IRR) on project : 11.77%

Internal Rate of Return (IRR) on equity : 12.06%

1.3 PROJECT COST AND MINIMUM UPFRONT FEE

The total estimated cost of the project and minimum required upfront fee are shown in table below.

SN	Project Name	Total Estimated Project Cost (Base Year)	Minimum Upfront Fee
1	Humla Karnali Hydropower Project (61.02 MW), Humla District	NRs. 16,773,559,000.00 (2023)	NRs. 61,020,000.00

1.4 PROJECT DEVELOPMENT PLAN

1.4.1 Availability of Study Reports

For the purpose of the EOI, DoED will provide feasibility study reports and the Environmental Impact Assessment (EIA) study reports to the interested Proponents. Interested Proponents shall be responsible for the cost of obtaining copies of these reports.

1.4.2 Responsibilities of Selected Proponent

The selected Proponent shall be responsible for all aspects of the Project, including design, engineering, financing, procurement, construction, testing, commissioning, development, insurance, operation, and maintenance, for the duration defined in the generation license. The Proponent shall transfer the project to GON, free of cost and clear of all encumbrances and liabilities, in good running condition after expiry of the generation license. The detailed process and activities to be followed by the selected Proponent are described in subsequent paragraphs. The Proponent must also comply with all legal requirements as per the prevailing laws and regulations.

1.4.3 Survey License Application

The Proponent selected through the process of the two-stage competitive selection process must apply for a survey license for the Project, submitting all required documents in line with the Electricity Act, 2049, Electricity Regulations, 2050 and the Directive of Licensing of Electricity Projects, 2075 (including amendments). The survey license fee for a two-year period must be deposited into the GON Revenue Account. DoED will provide the selected Proponent with



the survey license for two years, along with the feasibility study reports, IEE/EIA reports and investigation reports including drill logs where available.

1.4.4 Review and Optimization of Project

Upon receiving the survey license, the selected Proponent will be responsible for reviewing the feasibility and IEE/EIA studies and may re-optimize the project within the given boundaries, including additional areas outside original boundaries (if available), during the survey license period.

1.4.5 Study Completion Requirements

The selected proponent shall complete all necessary studies, including the revisions or extensions of IEE/EIA study within survey license period. All required documents, including updated feasibility study reports, valid and approved IEE/EIA studies for the optimized capacity, shall be submitted to the DoED. The Proponent shall then apply for a generation license, along with necessary fees, within the validity of the survey license.

1.4.6 Extension of Survey License Period

If the selected Proponent is unable to complete the required studies and documentation within the survey license period, they must notify and apply for extension to DoED in writing with applicable fees, within the validity period of survey license, explaining the reasons for the delay. DoED may grant the extension of survey license period based on the merit of the reasons provided, in accordance with the Electricity Act, 2049 and Electricity Regulations, 2050.

1.4.7 Consequence of Non-Compliance

Failure to submit the application for a generation license and necessary documents within the validity period of the survey license will result in the cancellation of survey license.

1.4.8 Issuance of Generation License

DoED will issue the generation license for a period of thirty-five years. During this period, the selected Proponent will be responsible for the complete lifecycle of the Project, including design, engineering, finance, procurement, construction, testing, commissioning, development, insurance, own, operate and maintain the project. At the end of the thirty-five years, the selected Proponent must transfer the project and associated transmission facilities to GON, free of cost and clear of all encumbrances and liabilities, in good running condition.

1.4.9 Transmission Line and Interconnection Facilities

The selected Proponent is responsible for the construction and completion of the transmission line and the associated interconnection facilities at their own cost, up to the sub-station or evacuation point as outlined in the connection agreement and Power Purchase Agreement (PPA) to be undertaken by the Proponent with NEA.

1.4.10 Power Purchase Agreement (PPA)

It is the responsibility of the selected Proponent to secure a connection agreement and PPA with Nepal Electricity Authority (NEA) during the survey license period or as specified in the generation license. DoED through MoEWRI will facilitate the PPA with NEA.



1.4.11 Financial Closure

The selected Proponent must achieve the Financial Closure within the time specified in the generation license, including any extension, and extension thereof, pursuant to the Directive of Licensing of Electricity Projects, 2075 (including amendments).

1.4.12 Additional Responsibilities

The selected proponent will bear all the costs for project-related activities, including land acquisition, resettlement and rehabilitation of the displaced people, construction power, construction of access road, forest clearance, obtaining necessary permits and approvals and any other requirements in accordance with prevailing laws and regulations.

1.4.13 Project Interconnection and Transmission Line

The tentative point of interconnection and substation for the project, along with the corresponding transmission line length based on feasibility study are as follows:

SN	Project Name	Capacity (MW)	Length (km)	Substation/Evacuation Point
1	Humla Karnali HEP	61.02	31.60	Switchyard of Humla Karnali Cascade

The selected proponent in coordination with NEA may work out a different interconnection point based on the recent developments on the transmission line plan of NEA.

1.4.14 Feasibility Study and EIA Approvals

The Feasibility Study EIA approval dates for the project are provided below:

SN	Project Name	Study Completed	EIA Approval Date
1	Humla Karnali HEP (61.02 MW)	FS, 2080	2080-05-17
EIA: Environmental Impact Assessment, FS: Feasibility Study			

The proponent may have to seek the time extension or pursue new studies at their own cost in relation to EIA studies as per EPA, 2076 and EPR, 2077.

1.5 PROPONENTS OBLIGATIONS AND GON FACILITATION

All taxes and fiscal incentives will be provided as per the prevailing laws of GoN. It is the responsibility of the selected Proponent to secure a connection agreement and PPA with Nepal Electricity Authority (NEA) during the survey license period or as specified in the generation license. DoED through MoEWRI will facilitate the PPA with NEA.

Additionally, DOED, in accordance with the prevailing laws and regulations, will facilitate the selected Proponent in acquiring land for project and obtaining necessary clearances regarding EIA.



2 INSTRUCTIONS FOR SUBMISSION OF EXPRESSION OF INTEREST

- 1) This Expression of Interest (EOI) is issued in accordance with the PPPIA, 2075 and PPPIR, 2077 by the Department of Electricity Development (DoED), to short-list potential Proponents for *Development of Humla Karnali Hydropower Project (61.02 MW), Humla District on a Built-Own-Operate-Transfer (BOOT) Model*. DoED's decision regarding the short-listing of proponents through this EOI, based on approved criteria, shall be final. DOED reserves the right to reject any or all the proposals without assigning any reason whatsoever. Following the shortlisting, DOED will issue a Request for Proposal (RFP) to the shortlisted Proponents.
- 2) The EOI document consists of the "*Expression of Interest for Development of Humla Karnali Hydropower Project (61.02 MW), Humla District on a Built-Own-Operate-Transfer (BOOT) Model*" which includes Project information, salient features of the Project, required forms and formats, evaluation criteria and facilitation that will be provided to the selected proponent.
- 3) This Expression of Interest (EOI) is open to all eligible companies registered in Nepal. Companies may associate with other companies to enhance their qualifications. However, such association must be in the form of Joint Venture (JV), and the number of companies in a JV should not exceed three including the lead company. Additionally, the same company is not allowed to enter into more than one JV for the same project. A newly registered company may apply in a JV with eligible companies.
- 4) Eligible Proponent(s) can submit the EOI document for one project only. If a proponent submits EOI for multiple projects, such proponent shall be declared ineligible for all submitted EOIs.
- 5) Expression of Interest should contain the following:
 - a. A covering letter addressed to the Director General of DoED on the official letterhead of the company, duly signed by authorized signatory.
 - b. Proponents shall provide the following information in the respective formats given in the EOI document:
 - FORM 1: Letter of Application
 - FORM 2: Proponent's Information Form
 - FORM 3: Project Implementation Business Plan
 - FORM 4: Project Team Composition (Include Details of Key Experts Only)
 - FORM 5: Proponent's Work Experience
 - FORM 6: Net Worth
- 6) Proponents may submit additional information with their application, but shortlisting shall be based solely on the evaluation of information requested and included in the formats provided in the EOI document.
- 7) The Expression of Interest (EOI) document must be duly completed and submitted to DoED by using the forms and instructions provided in the EOI document.
- 8) The completed EOI document must be submitted on or before the date and to the address mentioned in the "Request for Expression of Interest". In case the last date of obtaining and submission of the EOI documents is a holiday, the next working day will be deemed the due date, but the time will remain the same as stipulated. Any EOI received to DoED after the deadline shall be rejected.
- 9) DoED may, in exceptional circumstances and at its discretion, extend the deadline for the submission of EOI by issuing an addendum to be made available on DoED's website. In such a case, all rights and obligations of DoED and the proponents previously subject to the original deadline will thereafter be subject to the new extended deadline.



3 EXPRESSION OF INTEREST (EOI)

3.1 ACKNOWLEDGEMENT OF UNDERSTANDING OF TERMS

By submitting an EOI, each proponent shall be deemed to acknowledge that it has carefully read all sections of this EOI, including all forms, schedules and annexure hereto, and has fully informed itself of all existing conditions and limitations.

3.2 AVAILABILITY OF THE EOI DOCUMENTS

EOI can be downloaded from the DoED/MoEWRI website (www.doed.gov.np or www.moewri.gov.np) or obtained from the Procurement Unit of DoED upon formal request. Proponents are expected to examine all instructions, forms, terms, requirements, and other details in the EOI documents.

3.3 EOI TERMS AND CONDITION

- 1) DoED reserves the right to withdraw the EOI and change or vary any part thereof at any stage. DOED's decision regarding the short-listing of proponents through this EOI based on approved criteria, shall be final. DOED reserves the right to reject any or all proposals without assigning any reason.
- 2) Short-listed proponents would be issued formal Request for Proposal (RFP) for the *Development of Humla Karnali Hydropower Project (61.02 MW), Humla District on a Built-Own-Operate-Transfer (BOOT) Model* at a later date.
- 3) The timing and sequence of events resulting from this EOI will ultimately be determined by DOED.
- 4) Neither the proponent nor any of the proponent's representatives shall have any claims whatsoever against DoED or any of its respective officials, agents, or employees arising out of, or relating to, this EOI or these procedures.
- 5) Proponents found to canvass, influence or attempt to influence the qualification or selection process in any manner, including but not limited to offering bribes or other illegal gratification, shall be disqualified from the process at any stage.

3.4 EOI SCHEDULE

The following table outlines important milestones and timelines for the completion of EOI activities:

SN	Milestone	Date and time
1	Publication of Expression of Interest (EOI) Notice	Saturday, May 10, 2025
2	Prospective Proponents Pre- EOI meeting	Sunday, May 25, 2025
3	Last date for submission of Written Queries	Sunday, June 1, 2025
4	Response to the Queries	Wednesday, June 4, 2025
5	Last date for Submission of EOI	Sunday, June 8, 2025, 12:00 Noon
6	Opening of EOI	Sunday, June 8, 2025, 1:00 PM
7	Declaration of Short-listed Firms and Issuance of RFP	After Evaluation of EOI

3.5 EOI NOTICE

The EOI notice is published on Gorakhapatra National Daily on 10 May, 2025 to invite EOI from all eligible Nepalese hydropower companies or their joint ventures (JV). The copy of published notice is attached below.



Government of Nepal
Ministry of Energy, Water Resources and Irrigation
DEPARTMENT OF ELECTRICITY DEVELOPMENT
Sanogaucharan, Kathmandu

**REQUEST FOR EXPRESSION OF INTEREST (EOI) for Development of
Hydropower Projects in BOOT Model**

Date of publication: Saturday, May 10, 2025

1. The Department of Electricity Development (DoED) intends to engage eligible Nepalese hydropower companies or their Joint Venture (JV), registered in Nepal ("Proponents") to develop following Hydropower Projects. The selection process and award of the project to successful Proponent will be done as per Public-Private Partnership and Investment Act (PPPIA), 2075 and Public Private Partnership and Investment Regulation (PPPIR), 2077. The selected proponent will be issued license for development of project in Build, Own, Operate and Transfer (BOOT) Model based on Electricity Act, 2049 and Electricity Regulation, 2050.
2. The DOED hereby invites Expression of Interest (Eoi) from eligible Nepalese hydropower companies or their Joint Ventures (Jvs), who are registered in Nepal ("Proponents") to develop the following hydropower projects under the BOOT model.

EOI Number	Project Name
DOED/BOOT/2081/82/EOI-01	Beni Kaligandaki Hydropower Project (50.5 MW), Myagdi and Parbat District
DOED/BOOT/2081/82/EOI-02	Dudhkoshi-4 Hydropower Project (47.0 MW), Solukhumbu District
DOED/BOOT/2081/82/EOI-03	Humla Karnali Hydropower Project (61.02 MW), Humla District
DOED/BOOT/2081/82/EOI-04	Inkhu Khola Hydropower Project (21.4 MW), Solukhumbu District
DOED/BOOT/2081/82/EOI-05	Kaligandaki Upper Hydropower Project (65.0 MW), Myagdi District
DOED/BOOT/2081/82/EOI-06	Loti Karnali PRoR Hydropower Project (49.5 MW), Humla District
DOED/BOOT/2081/82/EOI-07	Lower Hongu Hydropower Project (30.2 MW), Solukhumbu District
DOED/BOOT/2081/82/EOI-08	Sankhuwa Khola-1 Hydropower Project (40.8 MW), Sankhuwasabha and Bhojpur District

3. Interested and eligible proponent(s) may obtain Eoi documents and additional information free of charge from the Procurement Unit, Department of Electricity Development during office hours on or before Sunday, June 8, 2025, 12:00 noon. Alternatively, the Eoi document can be accessed on the websites <https://moewri.gov.np/> and <https://www.doed.gov.np/>.
4. Sealed Expressions of interest must be submitted in hardcopy to the following address no later than Sunday, June 8, 2025 by 12:00 noon. The Eoi will be opened on the same day at 1:00 PM at the Department of Electricity Development.

Name of the Client: Department of Electricity Development
Address: Sano Gaucharan, Naxal, Kathmandu
Phone No: (977-1-) 4534119, Fax: (977-1-) 5244257
Email address: info@doed.gov.np, khanalsub@gmail.com, badrikuikel@gmail.com
Website: <https://www.doed.gov.np>

5. If the final date of submission falls on holiday, the next working day will be considered the due date, but the time for submission will remain the same as originally stipulated.
6. The EOI will be evaluated based on Technical Capacity [30%], Financial Capacity [40%], and Project Development Experience [30%] of the proponent.
7. The Request for Proposals (RFP) will be issued to the shortlisted proponents as per Clause 4.3 of EOI Document.
8. The selection of successful proponent will be done on the basis of upfront fee proposed by the proponents.
9. Detailed information on eligibility criteria, evaluation methods, pass marks, shortlisting criteria and formats including project development plan are provided in the Eoi Document.



3.6 EOI PROCESSING FEES

The Proponent must submit, together with the EOI document, a non-refundable processing fee for Rs. 1,50,000 (Rupees One Lakh Fifty Thousand only) in the form of a bank voucher deposited in GON Revenue Account No. 1000200010000 in name of Office Code 308013501 (Department of Electricity Development) Revenue Title No. 14229 (Prashasanik Sulka) in Rastriya Banijya Bank, Teku Branch. EOI received without or with inadequate EOI Processing fees shall be rejected.

3.7 PROPONENTS' MEETING

DOED will host a proponent's meeting at DOED 2nd Floor, Subarna Hall. The meeting is tentatively scheduled as per the schedule given in Section 3.4. Representatives from interested organizations may attend the proponents' meeting at their own cost. The purpose of the meeting is to provide prospective proponents with clarifications regarding the EOI. It will also offer an opportunity for each Proponent to seek clarifications regarding any aspect of the EOI and the Project.

Proponents may request clarification of any part of the EOI during the period specified in Section 3.4. Any request for clarification must be sent in writing, or through standard electronic means, to the Client's address.

Name of the Client: Department of Electricity Development

Address: Sano Gaucharan, Kathmandu

Phone No: (977-1-) 4534119, Fax: (977-1-) 5244257

Email address: info@doed.gov.np, khanalsub@gmail.com, badrikuikel@gmail.com,

Website: <https://www.doed.gov.np>

3.8 CLARIFICATION AND AMENDMENT TO EOI DOCUMENT

DOED will respond in writing, or through standard electronic means, sending written copies of the response (including an explanation of the query but without identifying its source) to all interested proponents. Should DOED find it necessary to amend the EOI following a clarification, it shall do so as described below.

- a) At any time before the EOI submission deadline, DOED may amend the EOI by issuing an amendment in writing or by standard electronic means. The amendment shall be published on the DOED website and will be binding.
- b) If the amendment is substantial, DOED may extend the EOI submission deadline to provide interested Proponents with reasonable time to account for such amendments.
- c) Proponents may submit a modified EOI or modifications to any part of it at any time prior to the EOI submission deadline. In case of modification, a cover letter with explanations of the modifications, duly signed by the authorized signatory, shall be submitted along with the modified EOI documents. Failure to submit the cover letter signed by the authorized signatory will result in disqualification.

3.9 COST OF PREPARATION OF EOI AND LIABILITY

The proponent shall bear all costs associated with the preparation and submission of the EOI document. DOED will, in no case, be responsible or liable for these costs, or have any other liability to any proponent, regardless of the conduct or outcome of the EOI process. DOED shall have no obligation to any proponent to reimburse any costs incurred in preparing a response to this EOI.

3.10 CONFIDENTIALITY OF THE DOCUMENT

If a Proponent believes that any portion of the submittal is to be treated in confidence, they shall identify such information clearly in the submittal. DOED will make every effort to treat such documents in confidence as far as possible.



3.11 JOINT LIABILITY FOR JOINT VENTURE COMPANIES

By submitting an EOI in joint venture (JV), the Proponent represents that, if qualified and if awarded the project after the RFP process, the proponent with its constituent members shall be jointly responsible for performing the obligations of such project.

3.12 SUBMISSION OF EXPRESSION OF INTEREST (EOI)

3.12.1 Sealing and Marking

1. The proponent shall seal the one original and one copy of the completed EOI in separate envelopes, duly marking the envelopes as "Original" and "Copy". These envelopes shall then be sealed in an outer envelope and marked as "Expression of Interest". The inner as well as outer envelope shall clearly mention the EOI number and title of EOI.
2. The inner and the outer envelopes shall be addressed to:

The Director General
Department of Electricity Development
Anamnagar, Kathmandu

Tel: +977-01-4479247, 4482130, 4480326 Fax: 4480257

Email: info@doed.gov.np
3. The envelopes shall also indicate the name and address of the Proponent for identification purposes.
4. The Proponent shall also submit an electronic copy of the EOI documents. However, the evaluation of the EOI document shall be done only based on the hard copy of the EOI application submitted by the applicant.

3.12.2 Deadline for Submission

1. The completed EOI document must be submitted to DOED before 12:00 noon on the date mentioned in section 3.4.
2. The completed EOI documents received at DOED after the deadline shall be considered late and shall be summarily rejected and returned un-opened.
3. If the deadline specified falls on a government holiday, the deadline shall be extended automatically to the next working day at the same time.

3.12.3 Withdrawal of EOI Document

A proponent shall not be permitted to withdraw the EOI application that has been submitted.

3.13 PUBLIC OPENING OF SUBMITTED EOI DOCUMENT

The completed EOI documents received by the due date and within the time specified in Section 3.12.2 will be opened at the time and date specified in Section 3.4 in the presence of the applicants or their authorized representative who-so-ever wish to attend. The absence of the Proponent or their authorized representative, however, shall not obstruct or prevent the opening of the EOI in any way. Proponents' each designated representative must bring a letter from the Proponents stating that he/she is authorized to represent the applicants for the public opening of the EOI document. Proponents or their authorized representatives who are present at the time of opening shall sign a register evidencing their presence.

During the opening, an authorized official of DOED will read out the names of the proponent who have submitted the completed EOI document and then will open the submitted EOI envelopes.



4 EVALUATION OF EXPRESSION OF INTEREST

Proponent's EOI applications that meet the eligibility criteria as specified in section 4.1 will be evaluated on the basis of the evaluation criteria outlined in Section 4.2.

4.1 ELIGIBILITY & COMPLETENESS TEST OF THE EOI DOCUMENT

The proponent must submit the following documents, as a part of the eligibility criteria, to be eligible for further evaluation process of submitted EOI.

SN	ELIGIBILITY & COMPLETENESS DOCUMENT
1	Copy of Registration of the Company (the company or partner companies in a JV must be registered in Nepal)
2	Copy of PAN Certificate
3	Tax Clearance Certificate for Fiscal year 2080/81
4	Processing Fee as stated in Section 3.5
5	JV agreement (if applicable)
6	Power of Attorney to sign JV agreement (if applicable)
7	Self-declaration - that the Proponent has no conflict of interest in the proposed procurement proceedings, - that the Proponent has not received any punishment for an offense relating to the concerned profession or business - that the Proponent has not been declared ineligible. - that the Proponent company, JV partners (if applicable) and its shareholders are not blacklisted by any public or regulatory entity.
8	Proponent or any partner in JV, must have successfully commissioned the hydropower project(s) of installed capacity equal to or greater than 60% of the offered project's installed capacity. Proof of successful commissioning must be evidenced by submitting notarized copies of the letters certifying the Commercial Operation Date (COD) issued by NEA and notarized copies of generation license issued by GON.

Note:

- Only the companies registered in Nepal are eligible. In case of JV, partner companies of JV must be registered in Nepal.
- EOI received without or with inadequate EOI Processing fee, as stated in section 3.5, shall be disqualified.
- In the case of JV, the proponent must submit the JV agreement signed by authorized signatories & stamped with company seal of each member of JV in every page of JV agreement & clearly mentioning name of the lead company, name of JV company/s, name of the authorized signatories. In case of failure to submit JV agreement between each JV partner, the EOI will be considered as non-responsive and will not be considered for evaluation. The signature of authorized signatory & stamp of companies should be on each page of JV agreement. If the JV agreement is not signed by an authorized signatory having power of attorney on each page of the JV agreement, the EOI will be considered as non-responsive and will not be considered for evaluation.
- The Proponent must submit power of attorney of authorized signatories to sign JV agreement and submit the EOI from their respective firm with signature & stamp of each member of JV. Such Power of attorney of authorized signatories of JV must be issued by executive head of organization such as Board, Managing Director, CEO or Chairperson, General Manager or equivalent. If otherwise, the EOI will be considered as non-responsive and will not be considered for evaluation.
- In case of a firm/institution/company which is already declared blacklisted and ineligible by the GON, any other new or existing firm/institution/company owned partially or fully by such Board of director of blacklisted firm/institution/company; shall not be eligible and will be declared non-responsive.
- If the corruption case is being filed to Court against the Natural Person or Board of Director of the company or any partner of JV, such Natural Person or Board of Director of the company or any partner of JV shall not be eligible



to participate in EOI process till the concerned Court has not issued the decision of clearance against the Corruption Charges.

4.2 DETAILED EVALUATION OF EOI DOCUMENT

The proponents are required to submit all the necessary documentation in support of the criteria specified for evaluation. The information presented in the EOI must be realistic. If faulty information is found, legal action may be taken in accordance with prevailing laws and regulations. The proponent's EOI will be evaluated as per the requirements outlined in the EOI, using the criteria specified below.

4.2.1 Technical Capability (30 points)

A. Project Implementation & Business Plan – 10 points

The Proponents should prepare a brief Project Implementation Business Plan that outlines the strategy and framework for executing the Project successfully, ensuring completion on time, within scope, and on budget. Marking will be based on the following points:

SN	Particulars	Marking Points
1	Project Understanding, Timeline and Milestones, Implementation Plan	5 points
2	Financial Plan for successful completion of project	5 points

B. Project Team Composition – 20 points

The proponent must clearly propose experts for the following key positions for the execution of the project. The evaluation of key experts will be done based on the evaluation criteria mentioned below.

SN	Key Positions	Required min. qualification in relevant subject	Professional experience in related field	Marking Points
1	Project Manager (Hydropower/Civil Engineer)	Master's or Eqv.	Min. 10 years after bachelor's degree	5.0 Points
2	Engineering Geologist	Master's or Eqv.	Min. 5 years after master's degree	2.5 Points
3	Hydrologist/ Sedimentologist	Master's or Eqv.	Min. 5 years after bachelor's degree	2.5 Points
4	Electrical Engineer	Master's or Eqv.	Min. 5 years after bachelor's degree	2.5 Points
5	Mechanical Engineer	Master's or Eqv.	Min. 5 years after bachelor's degree	2.5 Points
6	Economist/ Financial Analyst	Master's or Eqv.	Min. 5 years after master's degree	2.5 Points
7	Environmental Engineer/ Environmentalist	Master's or Eqv.	Min. 5 years after bachelor's degree	2.5 Points

Note:

- 1) Evaluation shall be done only for the experts proposed for the key positions as mentioned in Form-4. If the proponent fails to propose expert for the key position, marks for such shall not be given.
- 2) The pass year, month and date of educational degree of the key professionals shall also be mentioned in the "Key Experts" Form.
- 3) The "Key Experts" Form must be supported by the signed Brief Curriculum Vitae (CV), notarized copies of qualification certificates of minimum and higher degree (education degree/transcript), notarized copy of Nepal Engineering Council (NEC) certificate (for the engineering professionals). In absence of Brief Curriculum Vitae, qualification certificate and NEC certificate (for the engineering professionals); such professional will get zero marks in his/her evaluation. In case of submission of only higher qualification certificate, years of experience will be counted from submitted higher qualification certificate during evaluation.
- 4) Each page of CV must be signed by the respective key experts. If the CV is not signed on each page, it will not be considered for evaluation.



- 5) The proponent may propose individual experts or experts through consulting firm. If the experts are proposed through a consulting firm, MoU between the proponent and consulting firm must be submitted. If the proponent fails to submit the MoU, evaluation of experts for the key positions shall not be done.

4.2.2 Financial Capability (40 Points)

Proponent shall demonstrate its financial capability to mobilize financial resources and develop the project on time. Financial capability will be assessed based on the cumulative net worth of the Proponent company and its shareholders as well as the net worth of JV partners (if applicable).

SN	Description	Weightage
1	Cumulative Net worth < 20% of the total estimated cost of the project	0 %
2	Cumulative Net worth ≥ 20% of the total estimated cost of the project and < 25% of the total estimated cost of the project	70 %
3	Cumulative Net worth ≥ 25% of the total estimated cost of the project and < 30% of the total estimated cost of the project	85 %
4	Cumulative Net worth ≥ 30% of the total estimated project cost.	100 %

Note:

- 1) The total estimated project cost is provided in the section 1.3.
- 2) The net worth of the proponent company and its shareholders will be evaluated on a cumulative basis. In the case of JV, the net worth of partner companies within JV, along with their respective shareholders, will also be considered cumulatively for the evaluation.
- 3) The Proponent is required to submit the following:
 - i. Separate net worth certificates for
 - The company itself
 - Each individual shareholder of the company
 - ii. For Joint Ventures (JV):
 - Separate net worth certificates for each partner company in the JV
 - Separate net worth certificates for the individual shareholders of each partner company
 - iii. In addition to the separate net worth certificates, the proponent must also submit a cumulative net worth certificate, which combines the net worth of the company and its shareholders (or JV partner companies and their shareholders) for evaluation purposes.
- 4) All net worth certificates outlined in 3 must be prepared and signed by a Chartered Accountant (CA) and must include a Unique Document Identification Number (UDIN).

4.2.3 Hydropower Project Development Experience (30 points)

The proponent shall demonstrate experience in developing at least one hydropower project that has been successfully commissioned in Nepal.

SN	Description	Weightage
1	Installed Capacity of the project ≥ 60% to 80% of the project's installed capacity	70 %
2	Installed Capacity of the project ≥ 80% to 100% of the project's installed capacity	85 %
3	Installed Capacity of the project ≥ of the project's installed capacity	100 %

Note:

- 1) The installed capacity of a project will be considered based on the installed capacity mentioned in the generation license.
- 2) All the relevant hydropower projects developed by the proponent must be listed in Form 5 of this EOI



- 3) The proponent's experience must be supported by notarized copies of Commercial Operation Date (COD) letter issued by NEA and the generation license issued by GON.

4.3 SHORTLISTING OF THE PROPONENT

- 1) In accordance with the Public Private Partnership and Investment Act (PPPIA), 2075.
 - a. Based on the ranking of the evaluated EOI, the maximum six proponents securing at least 60 percent marks will be shortlisted.
 - b. In the event if only one EOI proposal is received, such EOI will be considered for evaluation.



5 EOI DOCUMENT REQUIREMENT AND FORMATS

1. The EOI document shall be prepared in accordance with the requirements specified in this document following the prescribed format for each of the above-mentioned eligibility and qualifying criteria as proof of meeting the minimum requirements.
2. The EOI must be realistic, concise, and complete. Any information not directly relevant to this EOI should be excluded.
3. The EOI shall be sealed and clearly super scribed "*Response to EOI for the Development of Humla Karnali Hydropower Project (61.02 MW), Humla District on a Built-Own-Operate-Transfer (BOOT) Model*" and addressed to DOED at the address specified in this document.
4. In case of discrepancies between the information in the printed version and the contents of the USB Drive, the printed "ORIGINAL" version of the EOI document will prevail and be used for evaluation.
5. The EOI should be submitted in the sealed envelope containing the following:

Part I – Covering Letter, Processing Fee and Eligibility Documents

- a. A Covering Letter from the Proponent as per Annexure – Form 1.
- b. A non-refundable processing fee for Rs. 1,50,000 (Rupees One Lakh Fifty Thousand only) in the form of a bank voucher deposited into GON Revenue Account No. 1000200010000 in name of Office Code 308013501 (Department of Electricity Development) Revenue Title No. 14229 (Prashasanik Sulka) in Rastriya Banijya Bank, Teku Branch.
- c. Legal Documents, including company registration, PAN Registration, Tax Clearance Certificate of Fiscal Year 2080/81, JV agreement (if applicable), Power of Attorney and Self-declaration as outlined in Section 4.1.

Part II – Details of the Organization

This part must include a general background of the respondent organization, along with other required organizational as per Annexure – Form 2.

Part III – Technical Capacity

- a. This section must include brief Project Implementation Business Plan outlining the strategy and framework for successfully executing the project, ensuring completion on time, within scope, and on budget. (Annexure – Form 3)
- b. It must also, include Project Team Composition and brief CVs of the key positions (Annexure – Form 4).

Part IV – Relevant Project Experience

Proponents must provide project experience specified in Section 4.2.3, using the format provided in the EOI (Annexure – Form 5).

Part V - Net Worth

The proponent must provide the net worth certificate as specified in form 6. The net worth certificate of a company/shareholder can be prepared in appropriate standard format.



6 EOI FORMS

Form 1: Letter of Application

Form 2: Proponent's Information Form

Form3. Project Implementation Business Plan

Form 4. Project Team Composition (include details of key positions only)

Form 5: Proponent's Work Experience

- 5(a). List of completed projects as a developer
- 5(b). Hydropower Project Development Experience
- 5(c). Salient feature of the project

Form 6: Net Worth

Form 6(A) Cumulative Net worth Certificate

Form 6(B) Net worth Certificate

**FORM 1: LETTER OF APPLICATION**

(To be printed on the letterhead paper of the proponent or the partner responsible for a joint venture, including full postal address, telephone no., fax and email address)

Date: [Insert Date]

To,
Procurement Unit
Department of Electricity Development
Sanogaucharan, Kathmandu
Telephone: +977 1 4413653, E-mail: info@doed.gov.np

Dear Sir/Madam,

1. Being duly authorized to represent and act on behalf of [Proponent's Name], (hereinafter referred to as "the proponent") and having reviewed and fully understood all the information provided in Expression of Interest (EOI) document, the undersigned hereby applies to be shortlisted by **The Department of Electricity Development (DoED)** as Proponent for Development of Humla Karnali Hydropower Project (61.02 MW), Humla District on a Built-Own-Operate-Transfer (BOOT) Model.
2. Attached to this letter are photocopies of original documents that define:
 - a) The proponent's legal status
 - b) The proponent's principal place of business
3. **Department of Electricity Development (DOED)** and its authorized representatives are hereby authorized to verify the statements, documents, and information submitted in connection with this application. This Letter of Application also serves as authorization for any individual or authorized representative of any institution referenced in the supporting information, to provide such additional information as may be deemed necessary by DOED to verify the details provided in this application, or to assess the resources, experience, and competence of the proponent.
4. The Department of Electricity Development and its authorized representatives are authorized to contact any of the signatories to this letter for any further information.¹
5. All further communication concerning this Application should be addressed to the following person,
[Person's Name]
[Company Name] and [Address]
[Phone, Fax, Email]
6. We hereby declare that we do not have any conflict of interest in the proposed procurement process, and that we have not been convicted for any offense related to the relevant profession or business. Additionally, our Company/firm has not been declared ineligible.
7. The undersigned affirms that all statements made, and information provided in this application are complete, true, and accurate in every detail.
8. We fully understand that the decision made by DOED regarding the evaluation of this EOI is final.

Signed:**[Name of Signatory]:****[Designation]****For and on behalf of [Name of Proponent or Joint Venture Partner]:**

¹ Applications by joint ventures should provide on a separate sheet, relevant information for each party to the Application.



FORM 2: PROPONENT'S INFORMATION FORM

(To be filled separately for each constituent member in case of a joint venture)

1. Name of Firm/Company:
2. Type of Constitution (Partnership/ Pvt. Ltd/Public Ltd/ Public Sector)
3. Date of Registration / Commencement of Business (Please specify the date):
4. Registered Office/Place of Business:
5. Contact Information
Telephone No; Fax No; E-Mail Address
6. Name of Authorized Contact Person
/ Designation/ Address/Telephone:
7. Proponent's Organization:
(Provided details of the organizational structure, management and business focus, etc)
8. Shareholders & Latest Shareholding Structure
(List the names of shareholders and the current shareholding structure.)
9. Total number of staff:
10. Number of regular professional staff:

Additional Information:

(Please provide a Company Profile, including a description of the background and organization of the Proponent, and, if applicable, the joint venture partners for this assignment.)



FORM 3. PROJECT IMPLEMENTATION BUSINESS PLAN

Briefly describe the project implementation business plan including the key features like the strategy and framework for executing a project successfully, ensuring that it is completed on time, within scope, and on budget.

**FORM 4. PROJECT TEAM COMPOSITION (INCLUDE DETAILS OF KEY EXPERTS ONLY)**

(In case of joint venture of two or more firms to be filled separately for each constituent member)

S N	Name	Position	Academic Qualification and Pass Year/Month	Work Experience (In year)	Specific Experience (in year)	Work (in year)
1	Eg... Name Surname	Eg... Project Manager (Hydropower Engineer)	Eg... Bachelor of Engineering (Civil), Dec 2010, Tribhuvan University Master of Engineering (Hydropower Development), Dec. 2013, Tribhuvan University	Eg... 10 years in Engineering Field	Eg... 5 years in Hydropower projects	
2						
3						
4						
5						

(Please insert more rows as necessary)

Also, include brief CV signed of the key experts on each page, followed by the enforcement of the Authorized Representative.

**FORM 5: PROPONENT'S WORK EXPERIENCE****5(a). List of Completed Hydropower Projects as a Developer**

(Details of project development. Each Firms or member of a JV must fill in this form.)

SN	Name of Project	Location	Project Scheme	Generation License Issuance Date and Number	Capacity	Commercial Operation Date
1.						
2.						
3.						
4.						
5.						
6.						
7.						

**5(B). Hydropower Project Development Experience**

Details of similar assignments undertaken

(In case of joint venture of two or more firms to be filled separately for each constituent member)

Project name: Generation License Number: Generation License Issue Date: Commercial Operation Date:	Approx. Project Cost:
Country: Location within country:	Construction period (months):
Name of Developer:	Address:
Start date (month/year):	Completion date (month/year):
Narrative description of Project:	

Company's Name:



5(C). Salient Feature of the Project

Salient Feature of similar assignments undertaken.

The Salient feature should include minimum these Key features of the project.

Project name:

Location:

River source:

Scheme:

Accessibility:

Installed capacity:

Gross head:

Net head:

Hydrology and catchment characteristics:

Headworks:

Settling basin:

Water conveyance:

Surge tank:

Penstock:

Power House:

Tailrace:

Power and energy:

Power evacuation:

Project Cost and Financial Parameter:

Key Project Timeline:

You may include project browser if any.

**FORM 6: NET WORTH****Form 6(A) Cumulative Net Worth Certificate**

It is to certify that the cumulative net worth of the (*shareholders/shareholders and the company*) of (*name of the company*) as of (*date*) is NPR The detailed calculation has been presented in the following table.

SN	Shareholder's Name	Net worth
1.		
2.		
3.		
4.		
	Add Rows as required	
	Cumulative Net Worth	(1+2+3+4+...)

Cumulative Net Worth Amount in Words:

Name of the Chartered Accountant:

Name of the Firm:

Membership No.:

UDIN No.:

Signature and Seal:

**Form 6(B) Net Worth Certificate**

It is to certify that the net worth of (*name of shareholder/company*) as of (*date*) is NPR

The detailed calculation has been presented in the following table.

SN	Description	Amount
A. Immovable Assets		
A1.		
A2.		
	<i>Add rows as required</i>	
A.	Total Immovable Assets	(A1+A2+...)
B. Movable Assets		
B1.		
B2.		
	<i>Add rows as required</i>	
B.	Total Movable Assets	(B1+B2+...)
C.	Total Assets	A+B
D.	Total Liabilities	D
E.	Net Worth	C-D

Net Worth Amount in Words:

Declaration: The valuation of both movable and immovable assets presented above has been done after duly verifying the valid legal documents related to the assets including the valuation report dated prepared by (*valuing firm/valuator name: NEC number*).

Name of the Chartered Accountant:

Name of the Firm:

Membership No.:

UDIN No.:

Signature and Seal: