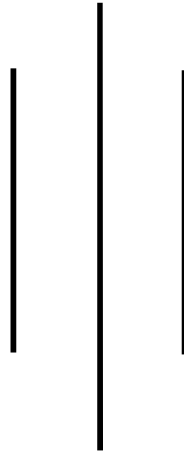


**Betan Karnali Sanchayakarta Hydropower Co. Ltd.**  
Durbar Marg, Kathmandu, Nepal



**Expression of Interest (EOI) for Consulting Services  
of  
Betan Karnali PRoR Hydroelectric Project  
for  
Complete Project Construction Supervision Works  
including Review of Detailed Project Report and Assistance  
in Project Construction Bidding**

Reference No.:

BKSHCL/BKHEP/EOI -1

June 2022

## **ABBREVIATIONS**

BKSHCL	Betan Karnali Sanchayakarta Hydropower Company Limited
BKHEP	Betan Karnali PRoR Hydroelectric Project
CV	Curriculum Vitae
EOI	Expression of Interest
GoN	Government of Nepal
GWhr	Giga Watts hour
JV	Joint Venture
KSK	Karmachari Sanchaya Kosh
MOU	Memorandum of Understanding
NEA	Nepal Electricity Authority
PAN	Permanent Account Number
PPA	Public Procurement Act
PPMO	Public Procurement Monitoring Office
PPR	Public Procurement Regulation
QCBS	Quality and Cost Based Selection
RFP	Request for Proposal
TOR	Terms of Reference
VAT	Value Added Tax
VUCL	Vidhyut Utpadan Company Limited

**A. REQUEST FOR EXPRESSION OF INTEREST**

First Date of Publication : 29<sup>th</sup> June 2022 (15<sup>th</sup> Ashad 2079)

Country : Nepal

Name of Project : Betan Karnali PRoR Hydroelectric Project

Assignment Title : Consulting Services for Complete Project Construction Supervision Works including Review and Finalization of Detailed Project Report and assistance in Project Construction Bidding

Reference No. : BKSHCL/ BKHEP/EOI-1

1. Betan Karnali Sanchayakarta Hydropower Company Limited (BKSHCL) is promoted by Karmachari Sanchaya Kosh, Nepal Electricity Authority and Vidhyut Utpadan Company Limited. It has received equity from its promoters, a part of which it intends to spend toward the cost for Consulting Services mentioned in this EOI for the construction of the 439 MW Betan Karnali PRoR Hydroelectric Project. (BKHEP).
2. BKSHCL now invites Expression of Interest (EOI) from eligible International Consulting Firms (“the Consultant”) to provide the Consulting Services (“the Services”) includes, but not limited to the following:
  - a. Review, modify (as necessary), update and finalize the Detailed Engineering Project Report, Prequalification Documents and complete Bidding Documents prepared by BKSHCL for Lot No. 2: Civil and Hydromechanical Works, Lot No. 3: Electromechanical Works, and Lot No. 4: Transmission Line and Substation Works (Lot Nos. 2, 3 and 4 collectively known as “**Lots**”);
  - b. Assist BKSHCL in preparation, invitation and evaluation of bids, selection of contractors and contract negotiation with the Contractors in above mentioned **Lots** for the execution of BKHEP;
  - c. Supervise the construction works under the **Lots**, monitoring the progress and assure quality on behalf of the BKSHCL;
  - d. Review, suggest for modification (as necessary) and finalize the design and associated documents submitted by the Contractors of **Lots** and recommend to the BKSHCL for approval;
  - e. Provide Project Management and Contract Administration Services in coordination with the Contractors of **Lots**;
  - f. Ensure the compliance of Health and Safety measures and Environment Management Plan (EMP);
  - g. Prepare consolidated Project Completion Report (PCR) of **Lots**;
  - h. Finalize the Plant Operation and Maintenance Manual (POMM) and Guidelines based on PCR submitted by **Lots**.
3. A brief description of BKHEP and outline of criteria for short-listing of Consulting Firms including the request for EOI can be downloaded from the Company website [www.bkshcl.com.np](http://www.bkshcl.com.np). Interested Firms may obtain further information at the address below during office hours.

**Managing Director**

*Betan Karnali Sanchayakarta Hydropower Co. Ltd.  
Raj Bhawan, Durbar Marg, Kathmandu, Nepal*

*Tel.: +977-1- 4244903  
E-mail: [info@bkshcl.com.np](mailto:info@bkshcl.com.np)*

4. International Consulting Firms may participate individually or in the form of Joint Venture, acquiring adequate experience, requiring approx. 325 International Expert person-months

of the Consultant taking as a lead role.

It is estimated that approx. 3000 local person-months will be required of which approx. 1000 person-months will be required to be arranged by the International Consulting Firm for which the Consultant may propose local Firm as an associate at the time of submission of Request for Proposal (RFP).

For the remaining 2000 person-months, BKSHCL is planning to make a separate arrangement with NEA Engineering Company Limited as the Nominated Consulting Firm with whom the selected Consultant will be mandatorily required to enter into sub-contract agreement under a nominated sub-contract arrangement before signing the contract.

5. Evaluation of the Consulting Firm will be based on hydroelectric projects, whose Detailed Engineering Design and Construction Supervision has been completed successfully.
6. Complete EOI shall be submitted in the address mentioned below on or before 12:00 hrs. Nepal Standard Time on 28<sup>th</sup> August 2022. If the last date of submission happens to be a public holiday, the submission shall be made on the next working day. The title of closed envelope submission shall be "**Expression of Interest (EOI) for Consulting Services: Betan Karnali PRoR Hydroelectric Project**".
7. Interested eligible International Consulting Firms shall provide adequate information regarding their organization, experience and financial standing as described in "**Project Information and Evaluation Criteria for EOI**" published in the Company's website [www.bkshcl.com.np](http://www.bkshcl.com.np).
8. EOI will be assessed on the basis of Technical Capacity of the Firm (30%), Experience of the Firm (60%) and Financial Capacity of the Firm (10%). Based on the evaluation outcome of EOI, three to six Consultants will be shortlisted, who will be invited to submit full technical and financial proposal through the Request for Proposal (RFP).
9. The Consulting Firms submitting EOI as Joint Ventures, if shortlisted, must submit their proposals in the same Joint Venture name at the time of Request for Proposals.
10. BKSHCL reserves the right to accept or reject any or all proposals, or to cancel the entire proceedings without giving any reasons whatsoever.
11. All submittals from the Consulting Firms shall be in English language.
12. Additional information is available in the Company's website [www.bkshcl.com.np](http://www.bkshcl.com.np).
13. Minimum score to pass the EOI is 70%.
14. EOI must be delivered to the following address:

The Managing Director  
**BETAN KARNALI SANCHAYAKARTA HYDROPOWER COMPANY LIMITED**  
Durbar Marg, Kathmandu, Nepal  
Tel: +977-01-4244903  
Email: [info@bkshcl.com.np](mailto:info@bkshcl.com.np)

**B. INSTRUCTIONS FOR SUBMISSION OF EXPRESSION OF INTEREST**

1. EOI may be submitted by a sole firm or a Joint Venture (JV) of Consulting Firms and the maximum number of partners in JV shall be limited to **two**.
2. Interested Consulting Firms shall provide all the required information demonstrating that they have the required qualifications and relevant experience to perform the Services. Brochures, description of completed similar assignments, work experience in the specified areas, availability of appropriate skills among staffs, etc. shall be submitted to show the Consulting Firm's technical, managerial and financial competence to perform the services. In particular, the information must include, among others, the following:
  - (i) Copies of Certificates of incorporation or Registration of the International Consulting Firm and each JV;
  - (ii) Audited Financial Statements of the preceding five (5) consecutive fiscal years;
  - (iii) Experience of the International Consulting Firms in Detailed Engineering Design, Construction Supervision and Preparation of Bidding Documents of similar projects. The consulting firm shall provide information on jobs undertaken in the preceding consecutive fifteen (15) years giving a brief description of each job undertaken, the funding source(s), amount of contract and information on the Client/Employer. Consulting Firm's work experiences shall be evidenced by copies of Client's references with contact and/or email addresses on the letterhead of the Client's organization and shall be written in English. If the references are in other languages, it shall be accompanied by an accurate translation into the English language. The translation shall be accurate and authenticated by notary agencies or the nationally/internationally recognized translating body/ agency. Any work experience without Client's/ Employer's reference shall not be considered. Evaluation will be based on the hydroelectric projects whose Detailed Engineering Design, Construction Supervision and Preparation of Bidding Documents has been completed successfully. Ongoing and reviewed projects will not be considered for evaluation;
  - (iv) Corporate profile of the Consulting Firm;
  - (v) Details of local agent in attached form in this EOI
  - (vi) Duly filled up the attached forms in this EOI.
3. It is expected that the consulting services for BKHEP will be of 72 months. Payments to the Consultant will be made in US Dollars and Nepalese Rupees. Expected date of commencement of the assignment is March 2023.
4. A Consulting Firm will be selected in accordance with the Quality and Cost Based Selection (QCBS) method as per the Procurement Bylaw, 2077 of BKSHCL. The Consulting Firm must provide the evidence of Quality Certification and provide Quality Assurance Certificates. All submittals from the Consulting Firms shall be in English language, signed and stamped in every page.
5. Applicants may submit additional information with their application but shortlisting will be based on the evaluation of information requested and included in the formats provided in the EOI document.
6. At any time prior to the deadline for the submission of the complete EOI document, BKSHCL may amend the EOI, for any reason, whether on its own initiative or in response to a clarification requested by an applicant. Details of Amendment(s) will be notified through the company website ([www.bkshcl.com.np](http://www.bkshcl.com.np)). BKHEP will assume that the information contained in the amendment is taken into account by the applicant in its applications.

7. BKSHCL reserves the right to accept or reject any or all applications, or to cancel the entire proceedings without giving any reasons whatsoever and without incurring any liability to the affected applicant(s). BKSHCL will not be responsible for any cost of expenses incurred by the Consulting Firms in connection with the preparation or the delivery of the EOI.
  
8. The EOI documents received by the due date and within the time specified in Clause A.5 will be opened at 14:00 hrs. Nepal Standard Time, in the presence of the applicants or their authorized representative who so ever wish to attend. Absence of the Applicant or their authorized representative, however, shall not obstruct or prevent the opening of the EOI in any way. Applicants' each designated representative must bring a letter from the applicant stating that he/she is authorized to represent the applicants for the public opening of the EOI document. Applicants or their authorized representatives, who are present at the time of opening shall sign in a register evidencing their presence. During the opening, an authorized representative of BKSHCL will read out the names of the applicants who have submitted the completed EOI document within time and then will open the submitted EOI envelopes.

## C. OUTLINED TERMS OF REFERENCE AND PROJECT INFORMATION

### C.1 OUTLINED TERMS OF REFERENCE

The main objective of the present proceedings is to appoint an International Consulting Firm, with the required qualification, expertise and experiences, as Supervision Consultants for the implementation of 439 MW BKHEP. This includes review, modify (as required), update and finalize the Detailed Engineering Project Report, Prequalification Documents and the complete Bidding Documents of **Lots** (Lot No. 2: Civil and Hydromechanical Works, Lot No. 3: Electromechanical Works, and Lot No. 4: Transmission Line Works), actively participate in the Bidding process for the selection of the Contractors of the **Lots**, complete supervision of all construction works of the project, and commence the operation.

Followings are the specific objectives (but not limited to) of the Consulting Services:

- Review, modify (as necessary), update and finalize the Detailed Engineering Project Report, Prequalification Documents and the complete Bidding Documents considering and incorporating the outcome of Physical Modeling of Headworks, Data and information from the Test Adit Tunnel, Feasibility Study Report, Geotechnical Baseline Report for Construction and other works.
- Assist BKSHCL in preparation, invitation and evaluation of bids, selection of contractors and contract negotiation with the Contractors in above mentioned “**Lots**” for the execution of BKHEP;
- Review, suggest for modification (as necessary), update and finalize the design, drawings and all associated documents submitted by the Contractors of Lots and recommend to the BKSHCL for approval;
- Supervise the construction works under the Lots, monitoring the progress and assure quality on behalf of the BKSHCL;
- Produce, revise and modify the design, documents and drawings deemed necessary during the construction phase as required upon the request of BKSHCL;
- Review, check and monitor the Project Construction Schedule of **Lots** and Overall Joint Coordinated Interface Schedule (OJCIS) and maintain the Integrated Master Schedule (IMS) including Interface Management Plan;
- Provide Project Management and Contract Administration Services in coordination with the Contractors of **Lots**;
- Assist BKSHCL in all aspect of Project Management and Contract Administration for Completion of the Project within the stipulated time and budget;
- Administer the Construction Supervision and Contract Administration of all Contract **Lots** as provisioned in Contract and Ensure the timely completion of the project construction works within the contracted value;
- Verification of the invoices submitted by the Contractor and recommend to BKSHCL for the payment;
- Review and recommend the Testing and Commissioning plan and program of the facilities of all Contract Lots in coordination with the Contractors for approval and assist BKSHCL for its execution;
- Monitor and ensure the compliance of occupational health and environmental safety measures and Environment Management Plan (EMP) taken by the Contractors in line with the established measures of BKSHCL and of the Contractual provisions;

- Provide knowledge and technology transfer to BKSHCL;
- Prepare consolidated Project Completion Report (PCR) of **Lots**;
- Finalize the Plant Operation and Maintenance Manual and Guidelines based on PCR submitted by **Lots**.



## C.2 PROJECT INFORMATION

### C.2.1 Introduction

Betan Karnali PRoR Hydroelectric Project is a peaking run of the river project located at the border between Surkhet and Achham district, which stores the Karnali River flow in an artificial reservoir and diverts it to a Powerhouse and back to the Karnali river utilizing the gross head ninety-nine meters. At present, BKSHCL is carrying out the Pre-Construction works of the project as the Detailed Project Report has been Submitted.

### C.2.2 Project Location and Access

Betan Karnali PRoR Hydroelectric Project is located about 420 km Aerial distance west of Kathmandu in between Surkhet district of Karnali Province and Achham district of Sudur-Paschim Province of Nepal. The general project area lies in the Northwest boundary of Surkhet district as shown in Figure 1. The geographical location of the project lies between Latitude 28°50'57" N to 28°56'04" N and between Longitude 81°11'43" E to 81°24'42". The dam site is located near Malumela village and powerhouse site is located at Tatalighat village of Dhakari rural municipality. The nearest town to the project is Mangalsen.

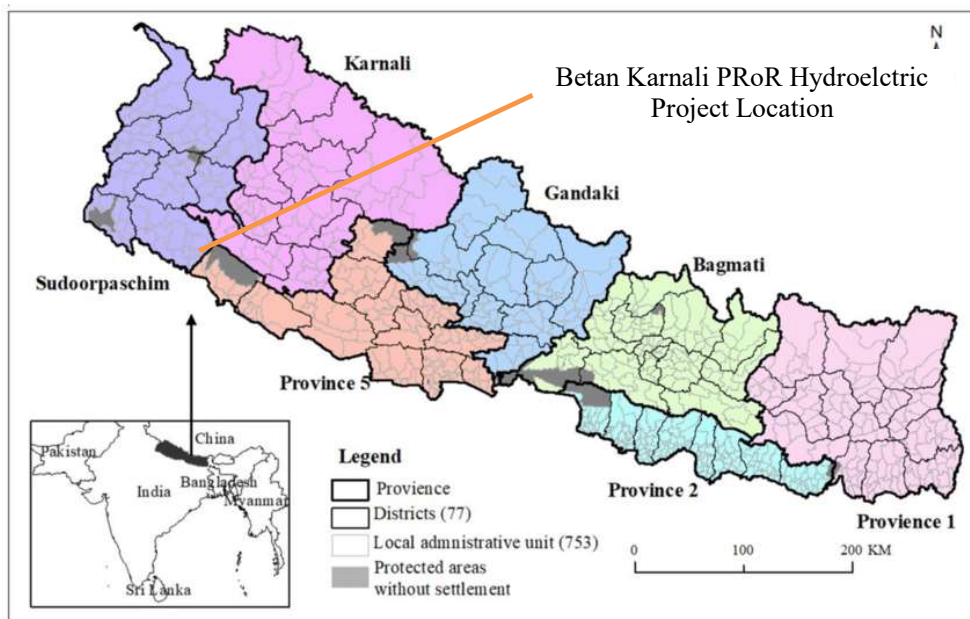


Figure 1 Project Location

The project site is accessible from the Birendranagar - Betan road (a section of Madan Bhandari Lok Marg Highway which is in the under-construction stage). The access road to the Project site forms a 67 km section of Madan Bhandari Highway between Birendranagar and Gutu of Surkhet district and is already motorable in all seasons with 32km of it as paved road and 35km graveled. Regarding the access road to the dam and intake site, about 28km of road track from Gutu is opened. To access Powerhouse, additional 14km track has been opened from headworks on Achham side.

**Salient Features**

The salient feature of the project is presented below:

<b>Project</b>	: <b>Betan Karnali PRoR Hydroelectric Project</b>
River	: Karnali River
Installed Capacity	: 439 MW
<b>Location</b>	
Province	: Sudur-Paschim & Karnali
District	: Achham & Surkhet
Rural Municipality	: Chaukune Surkhet and Dhakari Achham
<b>Project Access</b>	
From Nepalgunj Border via Birendranagar	: ~ 140 Km of Paved Road to Baddichaur via Kohalpur, : ~ 35 Km of Graveled Road to Gutu : ~ 28 Km of earthen road to Headworks site
From Nepalgunj Border Via Chisapani Karnali	: ~ 103 Km paved road to Chisapani Karnali. : ~ 38 Km to Gutu Gravelled Road : ~ 28 Km of earthen road to Headworks site
<b>Hydrology</b>	
Catchment Area	: 22,512 km <sup>2</sup>
Average flow	: 554.13 m <sup>3</sup> /s
Design flow	: 536m <sup>3</sup> /s (Dry), 551 m <sup>3</sup> /s (Wet)
PMF	: 22,604m <sup>3</sup> /s
Environmental release	: 13.48 m <sup>3</sup> /s, 365 days
<b>Reservoir</b>	
Full Supply Level	: EL. 473.3 m
Wet Season Level	: EL. 2798 m
Live storage	: 36.19MCM
Gross Storage	: 161.69 MCM
Surface Area at FSL	: 5.25 Sq Km
<b>Dam</b>	
Type	: Roller Compacted Concrete Dam
Crest Elevation	: EL. 480 m
Crest Length	: 197.3 m
Maximum Height	: 91 m (From riverbed level)
<b>Diversion facilities</b>	
No. of Diversion tunnels	: 2
Length & Diameter	: 537 & 647 m, 9.8 m
Diversion Flood	: 2400m <sup>3</sup> /s (1 in 2 Years)
U/S Cofferdam Crest level	: EL. 431.3 m
D/S Cofferdam Crest level	: EL. 405.61m
<b>Spillway</b>	
Type	: Ogee Gated, Sluice and Ogee.
Energy Dissipater	: Flip Bucket with plunge pool
<b>Intake</b>	
No. & Size of Trashrack	: 9, 5.9 m x 17.2 m
No. & Size of Intake Gate	: 3, 8 m x 8 m
Invert Level of Intake	: EL. 450 m
Deck level of intake	: EL. 480 m
Design Discharge	: 536 m <sup>3</sup> /s & 551m <sup>3</sup> /s
<b>Headrace Tunnel</b>	
Nos. & Type	: 3 Nos., Circular, Concrete and Shotcrete Lined
Length & Diameter	: 2017/ 2011/ 2017 m, 8.0 m
<b>Surge Shaft</b>	
Nos. & Type	: 3 Nos., Restricted Orifice

Height & Diameter : 51 m, 24 m

### **Penstock**

#### For Powerhouse-1

No. & Type : 3 Pressure Shafts with steel lining Bifurcated to 6.

Diameter of pipe : 7 m Bifurcated to 4.95m

#### For Powerhouse-2

No. & Type : 2 Penstock steel Surface.

Length & Diameter : 104.74 m & 1.4 m

### **Powerhouse Cavern**

#### For Powerhouse-1

Powerhouse Type : Underground

Powerhouse Dimension : 202 m x 23.5 m x 54.71m

Installed Capacity : 431.6MW

No of Units & Type : 6 Vertical Axis, Francis Turbine

Unit Capacity : 71.64 MW

Turbine Centerline level : EL. 369.16 m

#### For Powerhouse-2

Powerhouse Type : Surface Toe Dam

Powerhouse Dimension : 22 m x 10.6 m x 23 m

Installed Capacity : 8.77MW

No of Units & Type : 2 Horizontal Axis, Francis Turbine

Unit Capacity : 4.67 MW

Tail Water level : EL. 395 m

### **Tailrace**

#### For Powerhouse-1

Nos. & Type : 6 Nos., Concrete Lined Surge Shaft

Finished Diameter : 6.5 m to 10 m.

### **Transmission Line**

Length & Voltage : 5 Km & 400 kV

Interconnection Point : Baghmara Substation, Puchma, Surkhet

### **Energy Generation**

Dry Energy : 689.38 GWh

Wet Energy : 1609.67 GWh

Average Annual Energy : 2299.05 GWh

## **D. EVALUATION OF CONSULTANT'S EOI APPLICATION**

### **D.1 General**

BKSHCL wishes to receive the EOI from the eligible International Consulting Firms for providing Consulting Services for the implementation of 439 MW BKHEP.

The selected Consulting Firm will be expected to complete the Services within Seventy-two (72) person-months from the date of commencement of the Services as stated in Terms of References (ToR). Consulting Firms may participate individually or in the form of Joint Venture (JV).

### **D.2 Evaluation Procedure for Screening of Consulting Firms**

An International Consulting Firm will be selected based on the **Quality and Cost Based Selection (QCBS)** method, and the selection will be carried out in two stages. In the first stage of selection, a minimum of 3 (three) to a maximum of 6 (six) numbers of Consulting Firms will be selected from the list of Consulting Firms who have submitted the Expressions of Interest (EOI) within the scheduled date and time in response to the notice on the Invitation for EOI for the Consulting Services published by the BKSHCL. The first stage of evaluation for short listing of Consulting Firms will be carried out based on the broader set of evaluation criteria specified below. In the second stage, detail proposals received in response to the Request for Proposal (RFP) issued by BKSHCL from those short-listed Consulting Firms will be evaluated to select the successful Consulting Firm, most suitable for the proposed services.

The short-listing of Consulting Firms will be carried out based on the following three steps of Evaluation Criteria.

#### **D.2.1 STEP I: Determination of Eligibility of Consulting Firm**

In this step, a preliminary screening of the received EOI proposals will be carried out. The Consulting Firms will be evaluated on 'Pass' or 'Fail' basis. Each Consulting Firm must 'pass' each and every Threshold Criterion mentioned below. Any Consulting Firm not complying with any of the specified Threshold Criteria shall be Disqualified and not considered for further evaluation.

#### **General Threshold Criteria**

- i. EOI proposal shall be duly received within the last date and time of submission as mentioned in the notice of EOI,
- ii. Following documents shall be submitted along with the EOI proposal,
  - Certificates of Incorporation or Registration
  - Audited Financial Statement of preceding 5 (five) consecutive years
  - Company Profile
- iii. The International Consulting Firms/ Institutions/ Company/ or Natural Person shall not be debarred or blacklisted by Public Procurement Monitoring Office (PPMO), Government of Nepal, and/or the World Bank (WB) and/or Asian Development Bank (ADB).
- iv. Consulting firms must have been legally registered and in active business for at least fifteen (15) preceding consecutive years from the last date of submission of EOI.

*Note A: In case of JV, each firm shall meet the above criteria from (ii) to (iv).*

### Technical Threshold Criteria

Evaluation under these criteria will be based on completed assignments of Detailed Engineering Design and Construction Supervision of Hydropower Projects during last fifteen (15) years preceding from the last date of submission of EOI. Ongoing projects and Detailed Engineering Design review works will not be considered for evaluation. All of the criteria listed below should be fulfilled by single or separate projects.

- (i) Experience in Detailed Engineering Design of at least one Hydroelectric Project having Capacity of 350 MW or above.
- (ii) Experience in Construction Supervision of at least one Hydroelectric Project having Capacity of 350 MW or above.
- (iii) Experience in Construction Supervision of at least one Hydroelectric Project having Capacity of 350 MW or above outside the home country.
- (iv) Experience in Detailed Engineering Design and/or Construction Supervision of at least one Hydroelectric Project having capacity of 100 MW or above in the Mountainous region preferably in the Hindu-Kush Himalayan region.
- (v) Experience of Detailed Engineering Design and/or Construction Supervision of at least one Hydroelectric Project with the RCC dam of dam height 140 m or more.
- (vi) Experience of Detailed Engineering Design and/or Construction Supervision of at least one Hydroelectric Project having tunnel of length & diameter not less than 2 km & 8m respectively.
- (vii) Experience of Detailed Engineering Design and/or Construction Supervision of at least one Hydroelectric Project with underground powerhouse having cavern width not less than 20 m.
- (viii) Experience in Detailed Engineering Design and/or Construction Supervision on erection and commissioning of Electromechanical Works in at least one Hydroelectric Project having capacity of 350 MW or above.
- (ix) Experience in Detailed Engineering Design and/or Construction Supervision on erection and commissioning of Hydromechanical Works in at least one Hydroelectric Project having capacity of 350 MW or above.

### Additional Requirement for Joint Venture firms

- (i) The lead partner of the Joint Venture Firm must have at least 51% share and remaining partner will not have less than 25% share. **(Refer Form A-2)**

*Note: The satisfactory completion of work experience shall be evidenced by Employer/Client's references with contact and email addresses on the letterhead of the Client/Employer's organization and shall be written in English. If the references are in other languages, it shall be accompanied by an accurate translation into the English language duly authenticated by notary agencies or the nationally/internationally recognized translating body/agency (ies).*

### Threshold Criteria for Joint Venture Firms

- i. Each partner of JV shall meet **General Threshold Criteria** (ii), (iii), and (iv),
- ii. Each partner of JV shall meet at least one of the **Technical Threshold Criteria** above. If any of the partner of the JV does not meet the criteria, the entire JV will not be considered for evaluation.
- iii. Combined experience of JV must meet all the **Technical Threshold Criteria**,
- iv. Joint Venture Firms shall submit the **Joint Venture Agreement** or **MOU of JV Agreement** or **intended JV Agreement along with their EOI proposal**,
- v. An applicant must not submit more than one (1) EOI proposal as either a single entity or partner in JV,

**Note**

- *The Consulting firms not complying with all threshold criteria stated above shall not be considered for further evaluation.*
- *Association of any firm with more than one firm during EOI/RFP submission will not be allowed.*
- *In the Joint Venture firms, Lead partner's country of origin will be considered in the evaluation and selection of Applicants in the shortlisting process.*
- *If the applicant is a subsidiary company of another company or a part of holding company, the Experiences and Qualification of the parent or other companies in the group will not be considered for evaluation. Similarly, a parent company may not claim the qualification and experiences of its subsidiary companies.*
- *Applicant who has downloaded the EOI from the Company's website shall not tamper/modify the EOI document in any manner. In case if the same is found to be tempered/modified in any manner, Application of the respective applicant will be completely rejected.*

**Ranking Procedures**

The ranking procedures will be carried out based on evaluation on the followings:

1. Professional Key Technical Personnel related to Similar Projects.
2. General Work Experience of the Consulting Firm in Civil Engineering/ Infrastructure Projects completed in the last 15 years.
3. Experience in Detailed Engineering Design works of Hydroelectric Projects above 350 MW completed in the last 15 years.
4. Experience in Detailed Engineering Design of Hydroelectric Projects completed in the last 15 years outside home country.
5. Experience in Construction Supervision of Hydroelectric Projects above 350 MW completed in the last 15 years.
6. Experience in Construction Supervision of Hydroelectric Projects completed in the last 15 years outside home country.
7. Experience of Detailed Engineering Design of at least one Hydroelectric Project with the RCC dam of dam height 140 m or more.
8. Experience of Construction Supervision of at least one Hydroelectric Project with RCC concrete volume at least 900,000 m<sup>3</sup>.
9. Experience of Detailed Engineering Design of at least one Hydroelectric Project having tunnel of length & diameter not less than 2 km & 8m respectively.
10. Experience of Construction Supervision of at least one Hydroelectric Project having tunnel of length & diameter not less than 2 km & 8m respectively.
11. Experience of Detailed Engineering Design of at least one Hydroelectric Project with underground powerhouse having cavern width not less than 20 m.
12. Experience of Construction Supervision of at least one Hydroelectric Project with underground powerhouse having cavern width not less than 20 m.
13. Experience in Detailed Engineering Design of Electromechanical Works in at least one hydroelectric project having capacity of 350 MW or above.
14. Experience in Construction Supervision on erection and commissioning of Electromechanical Works in at least one hydroelectric project having capacity of 350 MW or above.
15. Experience in Detailed Engineering Design of Hydromechanical Works in at least one Hydroelectric Project having capacity of 350 MW or above.

16. Experience in Construction Supervision on erection and commissioning of Hydromechanical Works in at least one Hydroelectric Project having capacity of 350 MW or above.
17. Experience in Design and Construction Supervision of 400 kV Transmission Line including Switchyard of Hydroelectric Project completed in last 15 years.
18. Experience in Tender Document Preparation preferably in Engineering, Procurement and Construction (EPC) and Plant, Design and Build (P&DB) Model of Hydroelectric project completed in the last 15 years.
19. Experience in Detailed Engineering Design of at least one Hydroelectric Project having capacity of 100 MW or above in the Mountainous region preferably in the Hindu-Kush Himalayan region.
20. Experience in Construction Supervision of at least one Hydroelectric Project having capacity of 100 MW or above in the Mountainous region preferably in the Hindu-Kush Himalayan region.
21. Financial Capacity of Consulting Firms – Average annual turnover (minimum threshold three (3) million USD) in the last 5 years.

#### **D.2.2 STEP II: Detailed Evaluation of Consulting Firms**

The consulting firms fulfilling all requirements in the STEP I are selected for further evaluation in STEP II. A scoring system is adopted to rank these firms on merit basis, based on the criteria specified below. The cumulative experience, human resources and financial strength of JV partners shall be considered in the evaluation. Detailed Engineering Design and construction supervision of hydroelectric projects **successfully carried out** during last fifteen (15) years preceding from the last date of submission of EOI will be considered for evaluation. Ongoing, planned and review works of consulting services will not be considered for evaluation. The maximum overall score that any consulting firms can obtain is set at 1,000 points, which are distributed as follows:

Criteria 1:	Technical Capacity of Consulting Firms	: Maximum 300 Points
Criteria 2:	Experience of the Consulting Firm	: Maximum 600 Points
Criteria 3:	Financial Capacity of the Consulting Firm	: Maximum 100 Points

**D.2.2.1 CRITERIA 1: Technical Capacity of Consulting Firms (Maximum 300 Points)****Professional Key Technical Personnel related to Similar Projects (Maximum 300 Points) –**

Evaluation under this criterion is based on the following category:

1. Qualification of Professional (Key) Expert : 10%
2. Experience of Professional (Key) Expert : 70%
3. Regular or Permanent Professional Experts : 10%
4. Related experience outside the home country : 10%

S. No.	Key Personnel
1.	Team Leader
2.	Resident Engineer
3.	Design/ Hydropower Engineer
4.	Dam Engineer
5.	Electrical Engineer
6.	Mechanical Engineer
7.	Quality Control Engineer
8.	Engineering Geologist
9.	Geotechnical Engineer
10.	Contract Engineer
11.	SCADA/ Communication Engineer
12.	Construction Planner/ Scheduling Engineer
	<p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>1. <i>For all of the above positions, professionals without a formal graduate degree will not be considered for evaluation.</i></li> <li>2. <i>Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/internationally recognized translating body/ agency.</i></li> </ol>

Please provide details of the above key personnel as per Form B-2 and Form B-3.



**D.2.2.2 CRITERIA 2: Experience of the Consulting Firm (Maximum 600 Points)**

Evaluation under this criterion is based on the experience of the consulting firm in Detail Engineering Design and Preparation of Tender Documents of Hydroelectric Projects in last fifteen (15) years preceding from the last date of submission of EOI. The combined experience of the JV partner shall be evaluated. The consulting firm or JV firm shall score at least 60% of points allotted under this criterion. The consulting firm or JV firm scoring less than 60% of points allotted under this criterion will not be considered for further evaluation. Experience of the consulting firm is divided in the following three sections;

- A) General Experience of the Consulting Firm : 10%**  
**B) Specific Experience of the Consulting Firm : 80%**  
**C) Projects completed in the Similar Geographical conditions : 10%**

S. No.	Description of Criteria	Points	Reference
<b>A</b>	<b>General Work Experience of Consulting Firm</b>	<b>60.00</b>	<b>Form B-1-1</b>
A.1	General Work Experience of the Consulting Firm in Civil Engineering/ Infrastructure Projects completed in the last 15 years.		
<b>B</b>	<b>Specific Experience of Consulting Firm</b>	<b>480.00</b>	<b>Form B-1-2 &amp; Form B-1-4</b>
B.1	Experience in Detailed Engineering Design and Construction Supervision of completed Hydroelectric Projects		
B.1.1	Experience in Detailed Engineering Design of Hydroelectric Projects		
i	Experience in Detailed Engineering Design works of Hydroelectric Projects above 350 MW completed in the last 15 years.		
ii	Experience in Detailed Engineering Design of Hydroelectric Projects completed in the last 15 years outside home country.		
B.1.2	Experience in Construction Supervision of completed Hydroelectric Projects		
i	Experience in Construction Supervision of Hydroelectric Projects above 350 MW completed in the last 15 years.		
ii	Experience in Construction Supervision of Hydroelectric Projects completed in the last 15 years outside home country.		
B.1.3	Experience of Detailed Engineering Design of at least one Hydroelectric Project with the RCC dam of dam height 140 m or more.		
B.1.4	Experience of Construction Supervision of at least one Hydroelectric Project with RCC concrete volume at least 900,000 m <sup>3</sup> .		
B.1.5	Experience of Detailed Engineering Design of at least one Hydroelectric Project having tunnel of length & diameter not less than 2 km & 8m respectively.		
B.1.6	Experience of Construction Supervision of at least one Hydroelectric Project having tunnel of length & diameter not less than 2 km & 8m respectively.		
B.1.7	Experience of Detailed Engineering Design of at least one Hydroelectric Project with underground powerhouse having cavern width not less than 20 m.		

S. No.	Description of Criteria	Points	Reference
B.1.8	Experience of Construction Supervision of at least one Hydroelectric Project with underground powerhouse having cavern width not less than 20 m.		
B.2	Experience in Detailed Engineering Design and Construction Supervision on erection and commissioning of Electromechanical Works in Hydroelectric Projects		
B.2.1	Experience in Detailed Engineering Design of Electromechanical Works in at least one Hydroelectric Project having capacity of 350 MW or above.		
B.2.2	Experience in Construction Supervision on erection and commissioning of Electromechanical Works in at least one Hydroelectric Project having capacity of 350 MW or above.		
B.3	Experience in Detailed Engineering Design and Construction Supervision on erection and commissioning of Hydromechanical Works in Hydroelectric Projects		
B.3.1	Experience in Detailed Engineering Design of Hydromechanical Works in at least one Hydroelectric Project having capacity of 350 MW or above.		
B3.2	Experience in Construction Supervision on erection and commissioning of Hydromechanical Works in at least one Hydroelectric Project having capacity of 350 MW or above.		
B.4	Experience in Design and Construction Supervision of 400 kV Transmission Line including Switchyard of Hydroelectric Project completed in last 15 years.		
B.5	Experience in Tender Document Preparation preferably in Engineering, Procurement and Construction (EPC) and Plant, Design and Build (P&DB) Model of Hydroelectric project completed in the last 15 years.		
<b>C</b>	<b>Projects completed in Similar Geographical Condition</b>	<b>60</b>	<b>B-1-3</b>
C.1	Experience in Detailed Engineering Design of at least one Hydroelectric Project having capacity of 100 MW or above in the Mountainous region preferably in the Hindu-Kush Himalayan region.		
C.2	Experience in Construction Supervision of at least one Hydroelectric Project having capacity of 100 MW or above in the Mountainous region preferably in the Hindu-Kush Himalayan region.		
<p><u>Notes:</u></p> <p>1. Consulting firms' work experiences shall be evidenced by copies of client's references with contact and/or email addresses on the letterhead of the client's organization and shall be written in English. If the references are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/internationally recognized translating body/ agency.</p> <p>2. Hindu-Kush Himalayan (HKH) Region: The HKH region extends 3,500 km over all or part of eight countries from Afghanistan in the west to Myanmar in the east. For countries and areas included in the HKH region refer to International Centre for Integrated Mountain Development (ICIMOD) (<a href="http://www.icimod.org/?q=1137">http://www.icimod.org/?q=1137</a>)</p>			

**D.2.2.3 CRITERIA 3: Financial Capacity of the Consulting Firm (Maximum 100 Points)**

Evaluation under this criterion is based on the financial capacity of consulting firm in last five (5) financial years preceding from the last date of submission of EOI. Interested Consulting firms shall provide the average annual turnover of best of three (3) years along with supporting documents. Average annual turnover will be considered for evaluation and has been divided as follows;

<b>Sn</b>	<b>Description of Criteria</b>	<b>Points</b>	<b>Reference</b>
<b>1</b>	<b>Financial Capacity of Consulting Firms – Average annual turnover (minimum threshold three (3) million USD) in the last 5 years.</b>	<b>100</b>	<b>Form B-4</b>

Notes:

1. *Turnover shall be calculated on the basis of audited annual report. Supporting documents for the calculation shall be submitted. The supporting documents shall be written in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.*
2. *In case of joint venture of two or more firms, the financial capacity form shall be filled separately for each constituent member and average annual turnover shall be calculated. The combined capacity of the JV partner shall be evaluated.*

**D.2.3 STAGE III: Short-Listing of Firms**

The consulting firm scoring less than 700 points out of 1000 points will not be qualified for shortlisting. For short-listing of the qualified consulting firms, the following procedures will be followed;

1. Ranking of the firms in order of merit according to the points secured by them.
2. Select three to six consulting firms not exceeding three firms from one continent and two firms from any one country.
3. In case of Joint Venture, origin of lead firms shall be considered for the listing.
4. If the points obtained by two or more firms are same, hierarchy will be defined on following basis.
  - i. Higher Dam height,
  - ii. Higher number of storage/PROR type of projects
  - iii. Projects with higher installed capacity

**E. PREPARATION OF EOI APPLICATION AND FORMS**

The EOI document shall be structured in accordance with the outlines given in the EOI form and must contain accurate and complete information as requested in the EOI form. The EOI document shall have no interlineations or overwriting, except as necessary to correct errors made by the Consulting Firm itself. Any such correction must be initialed by the person authorized to sign the application and stamped with the firm's seal.

<b>Form A</b>	<b>: General Information</b>
Form A-1	: Letter of Application
Form A-2	: Joint Venture Information
Form A-3	: Applicant's Information
Form A-4	: Local Agent's Information

- Form B : Relevant Work Experience of the Firm**
- Form B-1 : Experience of Consulting Firm(s)**
- Form B-1-1 : General Work Experience of Consulting Firm(s)*
- Form B-1-2 : Specific Experience of Consulting Firm(s)*
- Form B-1-3 : Similar Geographic Experience of Consulting Firm(s)*
- Form B-1-4 : Specific and Similar Geographical Experience of Consulting firm(s)*
- Form B-2 : Summary on Qualification and Experience of Professional (Key) Expert**
- Form B-3 : Qualification and Experience of Professional (Key) Expert**
- Form B-3-1 : Qualification and Experience of Team Leader*
- Form B-3-2 : Qualification and Experience of Resident Engineer*
- Form B-3-3 : Qualification and Experience of Design/ Hydropower Engineer*
- Form B-3-4 : Qualification and Experience of Dam Engineer*
- Form B-3-5 : Qualification and Experience of Electrical Engineer*
- Form B-3-6 : Qualification and Experience of Mechanical Engineer*
- Form B-3-7 : Qualification and Experience of Quality Control Engineer*
- Form B-3-8 : Qualification and Experience of Engineering Geologist*
- Form B-3-9 : Qualification and Experience of Geotechnical Engineer*
- Form B-3-10 : Qualification and Experience of Contract Engineer*
- Form B-3-11 : Qualification and Experience of SCADA/ Communication Engineer*
- Form B-3-12 : Qualification and Experience of Construction Planner/ Scheduling Engineer*
- Form B-4 : Financial Capacity of Consulting Firm**

**Form A-1: Letter of Application**

*(Letterhead paper of the Applicant or partner responsible for a joint venture, including full postal address, telephone no., fax and email address)*

Date: .....

To,  
Managing Director  
Betan Karnali Sanchayakarta Hydropower Company Limited  
Durbar Marg, Kathmandu, Nepal  
Telephone No.: +977-1-  
Fax No.: +977-1-  
Email Address:

Sir,

1. Being duly authorized to represent and act on behalf of (hereinafter "the Applicant") and having reviewed and fully understood all the short-listing information provided, the undersigned hereby apply to be short-listed by Betan Karnali Sanchayakarta Hydropower Company Limited as Consultant for .....
2. Attached to this letter are photocopies of original documents defining:
  - a. the Applicant's legal status;
  - b. the principal place of business;
3. Betan Karnali Sanchayakarta Hydropower Company Limited and its authorized representatives are hereby authorized to verify the statements, documents, and information submitted in connection with this application. This Letter of Application will also serve as authorization to any individual or authorized representative of any institution referred to in the supporting information, to provide such information deemed necessary and requested by yourselves to verify statements and information provided in this application, or with regard to the resources, experience, and competence of the Applicant. Betan Karnali Sanchayakarta Hydropower Company Limited and its authorized representatives are authorized to contact any of the signatories to this letter for any further information.
4. All further communication concerning this Application should be addressed to the following person,  
[Person]  
[Company]  
[Address]  
[Phone, Fax, Email]
5. I/We declare that, I/we have no conflict of interest in the proposed procurement proceedings and we have not been punished for an offense relating to the concerned profession or business and our Company/firm has not been declared ineligible. I/We further confirm that, if any of our experts is engaged to prepare the TOR for any ensuing assignment resulting from our work product under this assignment, our firm, JV member or sub-consultant, and the expert(s) will be disqualified from short-listing and participation in the assignment.
6. The undersigned declares that the statements made and the information provided in the duly completed application are complete, true and correct in every detail.

Signed:

Name:

For and on behalf of (name of Applicant or partner of a joint venture):

**Form A-2: Joint Venture Information**

If the EOI is being submitted in Joint Venture, provide Joint Venture Information.

<b>Sn</b>	<b>Name of Firm</b>	<b>Postal Address, Tel., Fax. and Email</b>	<b>Name of Contact Person</b>	<b>Telephone of Contact Person</b>	<b>Share Percentage in JV</b>	<b>Remarks</b>
1.	Lead Firm					
2.	Partner Firm					

Notes:

- 1. The lead partner of the Joint Venture firm must have majority and not less than 51% share and each of the other partner must have at least 25% of share. The lead partner should hold the power of attorney.*
- 2. Provide duly signed and stamped Joint Venture Agreement and Power of Attorney of the signatories by each member in the JV.*

**Form A-3: Applicant's Information**

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

1. Name of Firm/Company:
2. Type of Constitution (*Partnership/ Pvt. Ltd/Public Ltd/ Public Sector/ NGO*)
3. Date of Registration / Commencement of Business (*Please specify*):
4. Country of Registration:
5. Registered Office/Place of Business:
6. Telephone No; Fax No; E-Mail Address
7. Consultant's Organization:
8. Total number of staff:
9. Number of regular professional staff:

**Note:**

1. *Provide Company Profile with description of the background and organization of the Consultant and, if applicable, for each joint venture partner for this assignment.*

**Form A-4: Local Agent's Information**

1. Name of address of Company:
2. Name and designation of Contact person:
3. Address of Contact Person:
4. Telephone Number (office/residence/mobile):
5. E-mail Address:

Date:

Signature and Designation of Applicant:

Seal of the Firm:



**Form B-1: Experience of Consulting Firm(s)****Form B-1-1: General Work Experience of Consulting Firm(s)**

*(Details of assignments undertaken. Each consultant or member of a JV must fill in this form.)*

S. N.	Name of assignment	Location	Value of Contract	Year Completed	Client	Description of work carried out
1.						
2.						
3.						
4.						
5.						
6.						
7.						

**Form B-1 : Experience of Consulting Firm(s)**  
**Form B-1-2 : Specific Experience of Consulting Firm(s)**

**Details of similar assignments undertaken in the previous fifteen (15) years**

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

Assignment name:	Approx. value of the contract (in current NRs; US\$ or Euro) <sup>1</sup> :
Country: Location within country:	Duration of assignment (months):
Name of Client:	Total No. of person-months of the assignment: Total No. of person-months of the assignment provided by the applicant firm:
Address:	Approx. value of the services provided by your firm under the contract (in current NRs; US\$ or Euro):
Start date (month/year): Completion date (month/year):	No. of professional person-months provided by the joint venture partners or the Sub-Consultants:
Name of joint venture partner or sub-Consultants, if any:	Narrative description of Project:
Description of actual services provided in the assignment:  <b>Note: Provide highlight on similar services provided by the consultant as required by the EOI assignment.</b>	

Firm's Name: \_\_\_\_\_

<sup>1</sup> Consultant should state value in the currency as mentioned in the contract

**Form B-1 : Experience of Consulting Firm(s)**  
**Form B-1-3 : Similar Geographic Experience of Consulting Firm(s)**

**Experience of working in similar geographic region or country**

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

<i>No</i>	<i>Name of the Project</i>	<i>Location (Country/ Region)</i>	<i>Execution Year and Duration</i>
1.			
2.			
3.			
4.			
5.			
6.			
7.			

## Form B-1

### Form B-1-4: Specific and Similar Geographical Experience of Consulting firm(s)

Name of Consulting Firm/JV	Project Information																	
Criteria (Detailed Engineering Design of Hydroelectric Projects having)	Name of Project	Type of Project (Storage or Other)	Installed Capacity (MW)	Gross Head (m)	Powerhouse Cavern Width (m)	Water Conveyance Tunnel finished diameter (m)	Preparation of Bidding Documents (Yes or No)	Country and location of project	Dam Height (m)	Year of Completion	Name of Client issuing Reference	Partner Name (Including Lead and JV)						
Detailed Engineering Design works of Hydroelectric Projects above 350 MW completed in the last 15 years.																		
Detailed Engineering Design of Hydroelectric Projects completed in the last 15 years outside home country.																		
Construction Supervision of Hydroelectric Projects above 350 MW completed in the last 15 years.																		
Construction Supervision of Hydroelectric Projects completed in the last 15 years outside home country.																		
Detailed Engineering Design of at least one Hydroelectric Project with the RCC dam of dam height 140 m or more.																		
Construction Supervision of at least one Hydroelectric Project with RCC concrete volume at least 900,000 m <sup>3</sup> .																		
Detailed Engineering Design of at least one Hydroelectric Project having tunnel of length & diameter not less than 2 km & 8m respectively.																		
Construction Supervision of at																		

**Form B-1-4: Specific and Similar Geographical Experience of Consulting firm(s)**

Name of Consulting Firm/JV	Project Information													
Criteria (Detailed Engineering Design of Hydroelectric Projects having)	Name of Project	Type of Project (Storage or Other)	Installed Capacity (MW)	Gross Head (m)	Powerhouse Cavern Width (m)	Water Conveyance Tunnel finished diameter (m)	Preparation of Bidding Documents (Yes or No)	Country and location of project	Dam Height (m)	Year of Completion	Name of Client issuing Reference	Partner Name (Including Lead and JV)		
least one Hydroelectric Project having tunnel of length & diameter not less than 2 km & 8m respectively.														
Detailed Engineering Design of at least one Hydroelectric Project with underground powerhouse having cavern width not less than 20 m.														
Construction Supervision of at least one Hydroelectric Project with underground powerhouse having cavern width not less than 20 m.														
Detailed Engineering Design of Electromechanical Works in at least one Hydroelectric Project having capacity of 350 MW or above.														
Construction Supervision on erection and commissioning of Electromechanical Works in at least one Hydroelectric Project having capacity of 350 MW or above.														
Detailed Engineering Design of Hydromechanical Works in at least one Hydroelectric Project having capacity of 350 MW or above.														
Construction Supervision on erection														

**Form B-1-4: Specific and Similar Geographical Experience of Consulting firm(s)**

Name of Consulting Firm/JV	Project Information																
Criteria (Detailed Engineering Design of Hydroelectric Projects having)	Name of Project	Type of Project (Storage or Other)	Installed Capacity (MW)	Gross Head (m)	Powerhouse Cavern Width (m)	Water Conveyance Tunnel finished diameter (m)	Preparation of Bidding Documents (Yes or No)	Country and location of project	Dam Height (m)	Year of Completion	Name of Client issuing Reference	Partner Name (Including Lead and JV)					
and commissioning of Hydromechanical Works in at least one Hydroelectric Project having capacity of 350 MW or above.																	
Design and Construction Supervision of 400 kV Transmission Line including Switchyard of Hydroelectric Project completed in last 15 years.																	
Tender Document Preparation preferably in Engineering, Procurement and Construction (EPC) and Plant, Design and Build (P&DB) Model of Hydroelectric project completed in the last 15 years.																	
Detailed Engineering Design of at least one Hydroelectric Project having capacity of 100 MW or above in the Mountainous region preferably in the Hindu-Kush Himalayan region.																	
Construction Supervision of at least one Hydroelectric Project having capacity of 100 MW or above in the Mountainous region preferably in the Hindu-Kush Himalayan region.																	

Notes:

1. Project without client references will not be considered for evaluation.
2. Mark the partner who has conducted the task.

**Form B-2: Summary on Qualification and Experience of Professional (Key) Expert**

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

<b>S. No.</b>	<b>Name</b>	<b>Position</b>	<b>Highest Qualification</b>	<b>Work Experience (in year)</b>	<b>Specific Work Experience (in year)</b>	<b>Nationality</b>
1						
2						
3						
4						
5						

(Please insert more rows as necessary)

**Form B-3**  
**Form B-3-1: Qualification and Experience of Team Leader**

Name : \_\_\_\_\_  
 Employer : \_\_\_\_\_  
 No. of Years in Employment with the Firm : \_\_\_\_\_  
 Type of Employment :  Full Time  Part Time

**Academic Qualification**

S.N.	Academic Degree	Faculty	Program
1	Bachelors		
2	Masters		

**Professional Experience in Similar Job:**

Experience as Team Leader in Detail Engineering Design of Hydroelectric Projects having installed capacity 350 MW or above successfully carried out during last fifteen (15) years.

**Project Details for above Experience**

S.N.	Name of Project	Installed Capacity (MW)	Type of Project	Country	Position Held	No. of Person-Month in the Project	Project Completed Year (A.D.)
1							
2							
3							
4							
5							

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

\_\_\_\_\_ Date: \_\_\_\_\_  
*[Signature of staff member and authorized representative of the consultant] dd/mm/yyyy*

Full name of Staff Member : \_\_\_\_\_

Full name of Authorized Representative : \_\_\_\_\_

Notes:

- 1. The client references for the above-mentioned project are mandatory, in absence of which, no evaluation of such project shall be made.*
- 2. Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.*



**Form B-3**  
**Form B-3-2: Qualification and Experience of Resident Engineer**

Name : \_\_\_\_\_  
 Employer : \_\_\_\_\_  
 No. of Years in Employment with the Firm : \_\_\_\_\_  
 Type of Employment :  Full Time  Part Time

**Academic Qualification**

S.N.	Academic Degree	Faculty	Program
1	Bachelors		
2	Masters		

**Professional Experience in Similar Job:**

Experience as Resident Engineer in Construction of PROR/Storage Type of Hydroelectric Projects having installed capacity 350 MW or above successfully carried out during last fifteen (15) years.

**Project Details for above Experience**

S.N.	Name of Project	Dam Height (m)	Installed Capacity	Country	Position Held	No. of Person-Month in the Project	Project Completed Year (A.D.)
1							
2							
3							
4							
5							

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

\_\_\_\_\_ Date: \_\_\_\_\_  
*[Signature of staff member and authorized representative of the consultant] dd/mm/yyyy*

Full name of Staff Member : \_\_\_\_\_

Full name of Authorized Representative : \_\_\_\_\_

Notes:

1. The client references for the above-mentioned project are mandatory, in absence of which, no evaluation of such project shall be made.
2. Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.

**Form B-3**  
**Form B-3-3: Qualification and Experience of Design/ Hydropower Engineer**

Name : \_\_\_\_\_  
Employer : \_\_\_\_\_  
No. of Years in Employment with the Firm : \_\_\_\_\_  
Type of Employment :  Full Time  Part Time

**Academic Qualification**

S.N.	Academic Degree	Faculty	Program
1	Bachelors		
2	Masters		

**Professional Experience in Similar Job:**

Experience as Design/ Hydropower Engineer in Detailed Engineering Design of PROR/Storage Type of Hydroelectric Projects having installed capacity 350 MW or above successfully carried out during last fifteen (15) years.

**Project Details for above Experience**

S.N.	Name of Project	Dam Height (m)	Installed Capacity	Country	Position Held	No. of Person-Month in the Project	Project Completed Year (A.D.)
1							
2							
3							
4							
5							

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

\_\_\_\_\_ Date: \_\_\_\_\_  
*[Signature of staff member and authorized representative of the consultant] dd/mm/yyyy*

Full name of Staff Member : \_\_\_\_\_

Full name of Authorized Representative : \_\_\_\_\_

**Notes:**

- 1. The client references for the above-mentioned project are mandatory, in absence of which, no evaluation of such project shall be made.*
- 2. Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.*

**Form B-3**  
**Form B-3-4: Qualification and Experience of Dam Engineer**

Name : \_\_\_\_\_  
 Employer : \_\_\_\_\_  
 No. of Years in Employment with the Firm : \_\_\_\_\_  
 Type of Employment :  Full Time  Part Time

**Academic Qualification**

S.N.	Academic Degree	Faculty	Program
1	Bachelors		
2	Masters		

**Professional Experience in Similar Job:**

Experience as Dam Engineer in Detailed Engineering Design of PROR/Storage Type of Hydroelectric Projects having installed capacity 350 MW or above successfully carried out during last fifteen (15) years.

**Project Details for above Experience**

S.N.	Name of Project	Dam Height (m)	Installed Capacity	Country	Position Held	No. of Person-Month in the Project	Project Completed Year (A.D.)
1							
2							
3							
4							
5							

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

Date: \_\_\_\_\_  
 [Signature of staff member and authorized representative of the consultant] dd/mm/yyyy

Full name of Staff Member : \_\_\_\_\_

Full name of Authorized Representative : \_\_\_\_\_

Notes:

1. The client references for the above-mentioned project are mandatory, in absence of which, no evaluation of such project shall be made.
2. Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.

**Form B-3**  
**Form B-3-5: Qualification and Experience of Electrical Engineer**

Name : \_\_\_\_\_  
 Employer : \_\_\_\_\_  
 No. of Years in Employment with the Firm : \_\_\_\_\_  
 Type of Employment :  Full Time  Part Time

**Academic Qualification**

S.N.	Academic Degree	Faculty	Program
1	Bachelors		
2	Masters		

**Professional Experience in Similar Job:**

Experience as Electrical Engineer in Detailed Engineering Design of PROR/Storage Type of Hydroelectric Projects having installed capacity 350 MW or above successfully carried out during last fifteen (15) years.

**Project Details for above Experience**

S.N.	Name of Project	Dam Height (m)	Installed Capacity	Country	Position Held	No. of Person-Month in the Project	Project Completed Year (A.D.)
1							
2							
3							
4							
5							

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

\_\_\_\_\_ Date: \_\_\_\_\_  
*[Signature of staff member and authorized representative of the consultant] dd/mm/yyyy*

Full name of Staff Member : \_\_\_\_\_

Full name of Authorized Representative : \_\_\_\_\_

**Notes:**

- The client references for the above-mentioned project are mandatory, in absence of which, no evaluation of such project shall be made.*
- Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.*

**Form B-3**  
**Form B-3-6: Qualification and Experience of Mechanical Engineer**

Name : \_\_\_\_\_  
Employer : \_\_\_\_\_  
No. of Years in Employment with the Firm : \_\_\_\_\_  
Type of Employment :  Full Time  Part Time

**Academic Qualification**

S.N.	Academic Degree	Faculty	Program
1	Bachelors		
2	Masters		

**Professional Experience in Similar Job:**

Experience as Mechanical Engineer in Detailed Engineering Design of PROR/Storage Type of Hydroelectric Projects having installed capacity 350 MW or above successfully carried out during last fifteen (15) years.

**Project Details for above Experience**

S.N.	Name of Project	Dam Height (m)	Installed Capacity	Country	Position Held	No. of Person-Month in the Project	Project Completed Year (A.D.)
1							
2							
3							
4							
5							

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

\_\_\_\_\_ Date: \_\_\_\_\_  
*[Signature of staff member and authorized representative of the consultant]* *dd/mm/yyyy*

Full name of Staff Member : \_\_\_\_\_

Full name of Authorized Representative : \_\_\_\_\_

Notes:

- 1. The client references for the above-mentioned project are mandatory, in absence of which, no evaluation of such project shall be made.*
- 2. Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.*

**Form B-3**  
**Form B-3-7: Qualification and Experience of Quality Control Engineer**

Name : \_\_\_\_\_  
 Employer : \_\_\_\_\_  
 No. of Years in Employment with the Firm : \_\_\_\_\_  
 Type of Employment :  Full Time  Part Time

**Academic Qualification**

S.N.	Academic Degree	Faculty	Program
1	Bachelors		
2	Masters		

**Professional Experience in Similar Job:**

Experience as Quality Control Engineer in Detailed Engineering Design of PROR/Storage Type of Hydroelectric Projects having installed capacity 350 MW or above successfully carried out during last fifteen (15) years.

**Project Details for above Experience**

S.N.	Name of Project	Dam Height (m)	Installed Capacity	Country	Position Held	No. of Person-Month in the Project	Project Completed Year (A.D.)
1							
2							
3							
4							
5							

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

\_\_\_\_\_ Date: \_\_\_\_\_  
*[Signature of staff member and authorized representative of the consultant] dd/mm/yyyy*

Full name of Staff Member : \_\_\_\_\_

Full name of Authorized Representative : \_\_\_\_\_

Notes:

- 1. The client references for the above-mentioned project are mandatory, in absence of which, no evaluation of such project shall be made.*
- 2. Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.*

**Form B-3**  
**Form B-3-8: Qualification and Experience of Engineering Geologist**

Name : \_\_\_\_\_  
Employer : \_\_\_\_\_  
No. of Years in Employment with the Firm : \_\_\_\_\_  
Type of Employment :  Full Time  Part Time

**Academic Qualification**

S.N.	Academic Degree	Faculty	Program
1	Bachelors		
2	Masters		

**Professional Experience in Similar Job:**

Experience as Engineering Geologist in Detailed Engineering Design of PROR/Storage Type of Hydroelectric Projects having installed capacity 350 MW or above successfully carried out during last fifteen (15) years.

**Project Details for above Experience**

S.N.	Name of Project	Dam Height (m)	Installed Capacity	Country	Position Held	No. of Person-Month in the Project	Project Completed Year (A.D.)
1							
2							
3							
4							
5							

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

\_\_\_\_\_ Date: \_\_\_\_\_  
*[Signature of staff member and authorized representative of the consultant] dd/mm/yyyy*

Full name of Staff Member : \_\_\_\_\_

Full name of Authorized Representative : \_\_\_\_\_

Notes:

- 1. The client references for the above-mentioned project are mandatory, in absence of which, no evaluation of such project shall be made.*
- 2. Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.*

**Form B-3**  
**Form B-3-9: Qualification and Experience of Geotechnical Engineer**

Name : \_\_\_\_\_  
 Employer : \_\_\_\_\_  
 No. of Years in Employment with the Firm : \_\_\_\_\_  
 Type of Employment :  Full Time  Part Time

**Academic Qualification**

S.N.	Academic Degree	Faculty	Program
1	Bachelors		
2	Masters		

**Professional Experience in Similar Job:**

Experience as Geotechnical Engineer in Detailed Engineering Design of PROR/Storage Type of Hydroelectric Projects having installed capacity 350 MW or above successfully carried out during last fifteen (15) years.

**Project Details for above Experience**

S.N.	Name of Project	Dam Height (m)	Installed Capacity	Country	Position Held	No. of Person-Month in the Project	Project Completed Year (A.D.)
1							
2							
3							
4							
5							

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

\_\_\_\_\_ Date: \_\_\_\_\_  
*[Signature of staff member and authorized representative of the consultant] dd/mm/yyyy*

Full name of Staff Member : \_\_\_\_\_

Full name of Authorized Representative : \_\_\_\_\_

Notes:

- The client references for the above-mentioned project are mandatory, in absence of which, no evaluation of such project shall be made.*
- Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.*



**Form B-3**  
**Form B-3-10: Qualification and Experience of Contract Engineer**

Name : \_\_\_\_\_  
 Employer : \_\_\_\_\_  
 No. of Years in Employment with the Firm : \_\_\_\_\_  
 Type of Employment :  Full Time  Part Time

**Academic Qualification**

S.N.	Academic Degree	Faculty	Program
1	Bachelors		
2	Masters		

**Professional Experience in Similar Job:**

Experience as Contract Engineer in Detailed Engineering Design of PROR/Storage Type of Hydroelectric Projects having installed capacity 350 MW or above successfully carried out during last fifteen (15) years.

**Project Details for above Experience**

S.N.	Name of Project	Dam Height (m)	Installed Capacity	Country	Position Held	No. of Person-Month in the Project	Project Completed Year (A.D.)
1							
2							
3							
4							
5							

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

\_\_\_\_\_ Date: \_\_\_\_\_  
*[Signature of staff member and authorized representative of the consultant]* *dd/mm/yyyy*

Full name of Staff Member : \_\_\_\_\_

Full name of Authorized Representative : \_\_\_\_\_

**Notes:**

- The client references for the above-mentioned project are mandatory, in absence of which, no evaluation of such project shall be made.*
- Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.*

**Form B-3**

**Form B-3-11: Qualification and Experience of SCADA/ Communication Engineer**

Name :  
Employer :  
No. of Years in Employment with the Firm :  
Type of Employment :  Full Time  Part Time

**Academic Qualification**

S.N.	Academic Degree	Faculty	Program
1	Bachelors		
2	Masters		

**Professional Experience in Similar Job:**

Experience as SCADA/ Communication Engineer in Detailed Engineering Design of PROR/Storage Type of Hydroelectric Projects having installed capacity 350 MW or above successfully carried out during last fifteen (15) years.

**Project Details for above Experience**

S.N.	Name of Project	Dam Height (m)	Installed Capacity	Country	Position Held	No. of Person-Month in the Project	Project Completed Year (A.D.)
1							
2							
3							
4							
5							

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

\_\_\_\_\_ Date: \_\_\_\_\_  
[Signature of staff member and authorized representative of the consultant] dd/mm/yyyy

Full name of Staff Member : \_\_\_\_\_

Full name of Authorized Representative : \_\_\_\_\_

**Notes:**

1. The client references for the above-mentioned project are mandatory, in absence of which, no evaluation of such project shall be made.
2. Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.

**Form B-3**  
**Form B-3-12: Qualification and Experience of Construction Planner/ Scheduling Engineer**

Name : \_\_\_\_\_  
Employer : \_\_\_\_\_  
No. of Years in Employment with the Firm : \_\_\_\_\_  
Type of Employment :  Full Time  Part Time

**Academic Qualification**

S.N.	Academic Degree	Faculty	Program
1	Bachelors		
2	Masters		

**Professional Experience in Similar Job:**

Experience as Construction Planner/ Scheduling Engineer in Detailed Engineering Design/ Construction of PROR/Storage Type of Hydroelectric Projects having installed capacity 350 MW or above successfully carried out during last fifteen (15) years.

**Project Details for above Experience**

S.N.	Name of Project	Dam Height (m)	Installed Capacity	Country	Position Held	No. of Person-Month in the Project	Project Completed Year (A.D.)
1							
2							
3							
4							
5							

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

\_\_\_\_\_ Date: \_\_\_\_\_  
*[Signature of staff member and authorized representative of the consultant]* *dd/mm/yyyy*

Full name of Staff Member : \_\_\_\_\_  
Full name of Authorized Representative : \_\_\_\_\_

**Notes:**

- 1. The client references for the above-mentioned project are mandatory, in absence of which, no evaluation of such project shall be made.*
- 2. Copies of Educational Certificates and Curriculum Vitae (CV)/Resume (documents) shall be provided in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.*

**Form B-4: Financial Capacity of the Consulting Firm**

Full name of the Consulting Firm:

Financial Status:

<b>Financial Capacity of Consulting Firms – Average annual turnover (minimum threshold three (3) million USD) in the last 5 years.</b>					
<b>Description</b>	<b>Financial Year</b> .....	<b>Financial Year</b> .....	<b>Financial Year</b> .....	<b>Financial Year</b> .....	<b>Financial Year</b> .....
Turnover (USD)					

**Average Annual Turnover of Best of 3 Fiscal Year of Last 5 Fiscal Years**

Notes:

1. *Turnover shall be calculated on the basis of audited annual report. Supporting documents for the calculation shall be submitted. The supporting documents shall be written in English. If the documents are in other languages, it shall be accompanied by an accurate translation into the English language and authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.*
2. *In case of joint venture of two firms, the financial capacity form shall be filled separately for each constituent member and average annual turnover shall be calculated. The combined capacity of the JV partner shall be evaluated.*