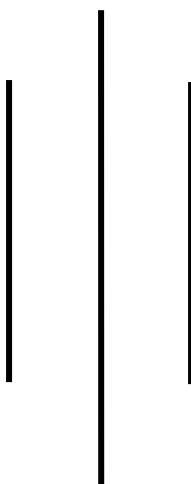


UTTAR GANGA POWER COMPANY LIMITED

(Subsidiary Company of Nepal Electricity Authority)

Durbar Marg, Kathmandu, Nepal



**Expression of Interest (EOI) for Consulting Services
Of
Uttar Ganga Storage Hydroelectric Project
For
Review of Feasibility Study Report, Preparation of Detailed
Engineering Design and Bidding Documents**

Reference No.: UGPCL/EOI-1

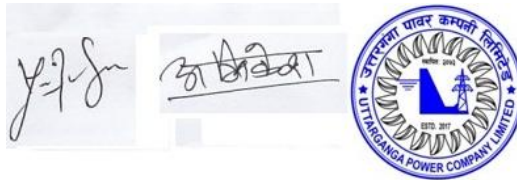
April, 2019

[Handwritten signature]



ABBREVIATIONS

CV	Curriculum Vitae
EOI	Expression of Interest
GoN	Government of Nepal
GWhr	Giga Watts hour
JV	Joint Venture
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
UGPCL	Uttar Ganga Power Company Limited
UGSHEP	Uttar Ganga Storage Hydroelectric Project
VAT	Value Added Tax



A. REQUEST FOR EXPRESSION OF INTEREST

First Date of Publication : April 12, 2019 (29 Chaitra 2075)
 Country : Nepal
 Name of Project : Uttar Ganga Storage Hydroelectric Project
 Assignment Title : Review of Feasibility Study Report, Preparation of Detailed Engineering Design and Bidding Documents for Project Construction
 Reference No. : UGPCL/EOI-1

1. Uttar Ganga Power Company Limited (UGPCL) has obtained financing from the Government of Nepal (GoN) toward the cost of Review of Feasibility Study Report, Preparation of Detailed Engineering Design and Bidding Documents for construction of the Uttar Ganga Storage Hydroelectric Project (UGSHEP), and intends to apply part of the proceeds for consulting services.
2. The consulting services (“the Services”) for the Review of Feasibility Study Report, Preparation of Detailed Engineering Design and Bidding Documents for Construction of the project includes, but not limited to the following:
 - a. Review and Complete the Feasibility Study;
 - b. Prepare Detailed Engineering Design, Tender Drawing and Construction planning of the project;
 - c. Prepare Bidding Documents (Civil, Hydro-mechanical, Electro-mechanical, Switch yards and Transmission Line).
3. A brief description of UGSHEP and outline of criteria for short-listing of consulting firms including this request for EOI can be downloaded from the PPMO’s e-GP system www.bolpatra.gov.np/egp. Interested firms may obtain further information at the address below during office hours.

Managing Director

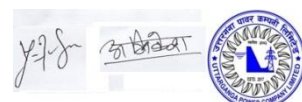
Uttar Ganga Power Company Limited
 Nepal Electricity Authority
 Durbar Marg, Kathmandu, Nepal

Tel.: +977-1- 4153239

Fax: +977-1- 4153040

E-mail: ugpcl@nea.org.np

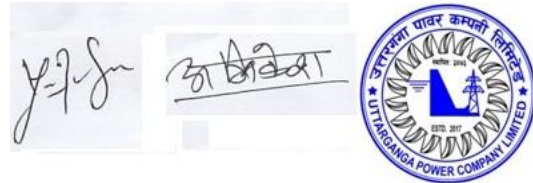
4. Consulting firms may participate individually or in the form of Joint Venture. Experiences of the Associate firms will not be considered for evaluation. Likewise, qualification and experience of the consulting firm associated as a sub-consultancy will not be considered for evaluation. Evaluation will be based on the hydropower projects whose detailed engineering design has been completed successfully. Planned and reviewed projects will not be considered for evaluation.
5. Expression of interest shall be delivered online through PPMO’s e-GP system www.bolpatra.gov.np/egp by using the forms and instructions provided by the system on or before 13:00 hrs. Nepal Standard Time on May 12, 2019. If the last date of submission happens to be a public holiday, the submission shall be made on the next working day. The title shall be "**Expression of Interest (EOI) for Consulting Services: Uttar Ganga Storage Hydroelectric Project**". Withdrawal of EOI application will not be permitted.
6. Expression of Interest (EOI) will be assessed based on Qualification (30%), Experience (60%) and Capacity (10%). Based on the evaluation of EOI, shortlisted consultants will be invited to submit full technical and financial proposal through the Request for Proposal (RFP).
7. Minimum score to pass the EOI is 600 points out of 1000 points.



B. INSTRUCTIONS FOR SUBMISSION OF EXPRESSION OF INTEREST

1. Expression of Interest may be submitted by a sole firm or a joint venture of consulting firms and the maximum number of partners in JV shall be limited to three.
2. Interested Consultants should provide 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 Consultants 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 consulting firm and each JV;
 - (ii) Audited Financial Statements of the preceding five (5) consecutive fiscal years but not earlier than the year 2011;
 - (iii) Experience of the consulting firms in Detailed Engineering Design and Preparation of Bidding Documents of storage type projects. The consulting firms must provide information on jobs undertaken in the last seven (7) years giving a brief description of each job undertaken, the funding source(s), amount of contract and information on the client/Employer. 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. 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 hydropower projects whose detailed engineering design has been completed successfully. Planned and reviewed projects will not be considered for evaluation;
 - (iv) Corporate profile of the firm;
 - (v) Duly filled up attached forms.
3. It is expected that the consulting services for UGSHEP will last about Eighteen (18) months. Payments to the Consultant will be made in Nepalese Rupees. Expected date of commencement of the assignment is October 2019.
4. A Consultant will be selected in accordance with the Quality and Cost Based Selection (QCBS) method as per the Public Procurement Act, 2063 of Government of Nepal and Financial Administration Regulation, 2068 of NEA. The consulting firm must provide the evidence of Quality certification and provide quality assurance certificate. 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, UGPCL may amend the EOI, for any reason, whether on its own initiative or in response to a clarification requested by an applicant. Amendment(s) will be notified through the PPMO's e-GP system (www.bolpatra.gov.np/egp). UGPCL will assume that the information contained in the amendment is taken into account by the applicant in its applications.
7. UGPCL 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). UGPCL will not be responsible for any cost of expenses incurred by the 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 UGPCL will read out the names of the applicants who have submitted the completed EOI document 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 present study is to prepare Uttar Ganga Storage Hydroelectric Project (UGSHEP) for implementation. The overall objective of the consulting service is to carry out Review of Feasibility Study including Detailed Engineering Design along with necessary field investigation works and to prepare complete sets of bidding documents inclusive of tender drawings to meet Uttar Ganga Power Company Limited (UGPCL), Nepal Electricity Authority (NEA) and Government of Nepal (GoN) requirements.

Followings are the specific objectives of the consulting services outlined for UGSHEP but not limited to them:

- Review of existing Feasibility study and other available relevant reports/ data, documents and identify the gaps in data;
 - Revisit project layout, design and size of major components;
 - Detailed Survey of reservoir area and its periphery to produce topographic maps for estimation of reservoir volume, strategic development planning, resettlement planning, etc.
 - Prepare detailed topographic maps for dam site, powerhouses and tailraces sites, transmission line and other project area as necessary;
 - Conduct geological and geotechnical studies/ investigations and construction material survey;
 - Conduct power system analysis;
 - Conduct seismic study;
 - Conduct dam break analysis;
 - Review and update hydrological and reservoir sedimentation studies;
 - Conduct Climate Change and Cloud Burst studies;
 - Conduct Analysis and Modeling of slope stability of reservoir and recommend most efficient method for implementation with abstract of cost;
 - Conduct watershed management plan studies;
 - Conduct reservoir simulation and prepare reservoir operation rules;
 - Conduct discharge carrying capacity study of Nisi Khola (Outlet of Tailrace) and recommend most efficient method of river training works with abstract of cost, detailed civil drawings and specification; Prepare details of re-regulating dam, structures, etc. in case the discharge carrying capacity of Nisi Khola is not sufficient to carry design discharge from tailrace;
 - Review of updated feasibility study report, conduct project optimization study and prepare Review of Feasibility Study Report based on detailed field surveys and investigations to produce a set of bankable reports; Study and prepare detailed design report for toe power house utilizing the downstream discharge;
 - Conduct Detail Engineering Design, preparation of specification and drawings for project components including civil works, electrical (switchyards and substation), hydro-mechanical, electromechanical & transmission line;
 - Prepare detail cost estimate (civil, electrical, hydro-mechanical, electromechanical & transmission line), Bill of Quantities (BoQs) and unit rates with rate analysis;
 - Packaging of the works for procurement;
 - Prepare complete bidding documents and tender drawings of civil works, electrical works, hydro-mechanical works, electromechanical works & transmission line works fulfilling the requirements of GoN and funding agencies;
 - Prepare refined implementation schedule for project construction;
 - Prepare financial and economical analysis based on detail project cost and risk analysis;
 - Analyze and recommend the most appropriate financing plan;
 - Analyze and recommend appropriate institutional arrangement for project implementation;
 - Assist UGPCL for technical evaluation of bids and contract negotiation;
- And Training and Capacity building of UGPCL staffs.

C.2 PROJECT INFORMATION

C.2.1 Introduction

Uttar Ganga Storage Hydroelectric Project is a storage projected located in Baglung district which stores the Uttar Ganga River flow in an artificial reservoir and diverts it to Nisi Khola utilizing the gross head of 1350 m. Uttar Ganga River is tributary of Bheri River (Karnali River Basin) and Nisi Khola is tributary of Badigad Khola (Gandaki/ Narayani River Basin). At present, UGPCL is carrying out the feasibility study of the project.

C.2.2 Project Location and Access

Uttar Ganga Storage Hydroelectric Project is located about 400 km west of Kathmandu in Baglung district of Gandaki Province of Nepal. The general project area lies in the west boundary of Baglung district as shown in Figure 1. The geographical location of the project lies between Latitude 28°22'30" N to 28°31'13" N and between Longitude 82°55'00" E to 83°06'08". The dam site is located at Gaba village and powerhouses site is nearly located at Sinkhun village of Nisikhola rural municipality. The nearest town to the project is Burtibang bazar.

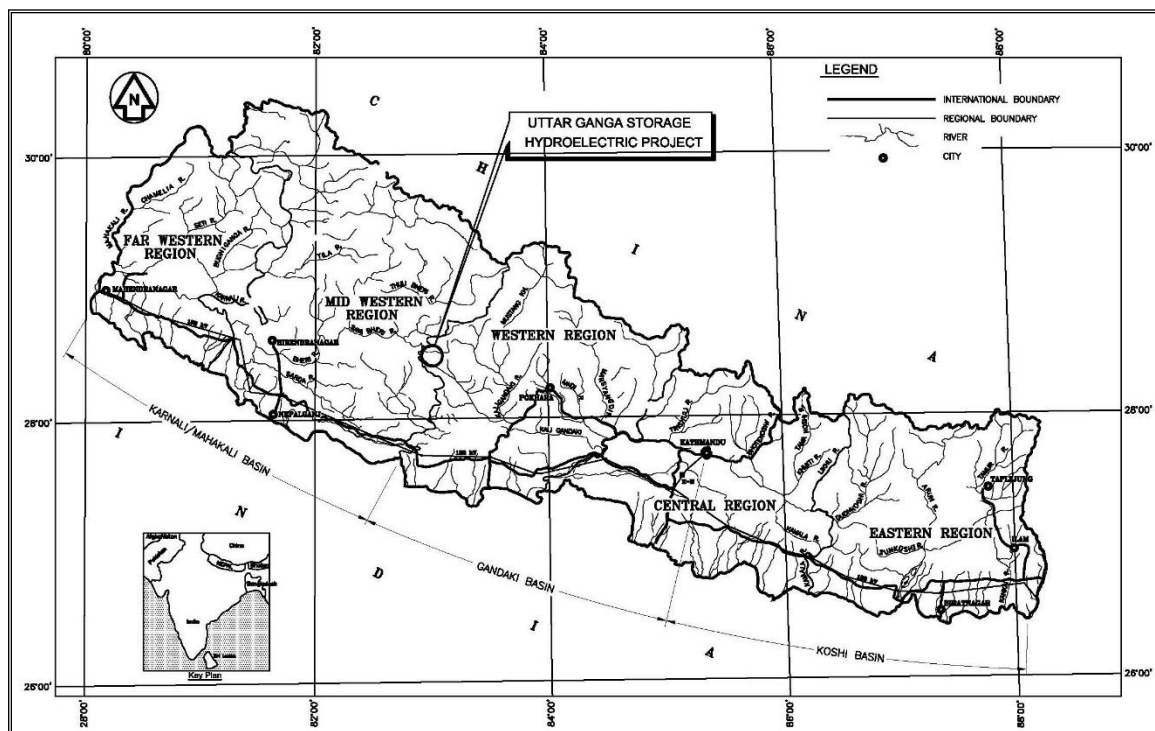
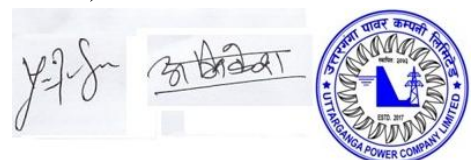


Figure 1: Project Location Map

The project site is accessible from the Baglung bazar-Burtibang road (a section of Puspupal Mid-Hill Highway which is in the under construction stage). The nearest road head from the proposed powerhouse site is at Burtibang bazar. The access road to the powerhouse site forms a 20 km section of Mid-Hill Highway between Burtibang and Rukumkot of Rukum district and is already motorable in all season. Regarding the access road to the dam and intake site, about 40 km of road track from Burtibang-Bobang-Dhorpatan-Gaba is opened and only accessible in dry season. To access Burtibang, two possible routes are there one from Pokhara and another from Butwal. The route with its approximate distance is presented below:

Route 1: Pokhara – Baglung bazar – Kharbang – Burtibang (160 km)

Route 2: Butwal – Ridi – Kharbang – Burtibang (160 km)



Salient Features

The salient features of the project is presented below:

Project	: Uttar Ganga Storage Hydroelectric Project
River	: Uttar Ganga River
Installed Capacity	: 828 MW
Operation Hour	: 12 hrs/day to 5 hrs/day in Dry Season (1569 hrs in total)
Dry Season	: November to April
Location	
Province	: Gandaki
District	: Baglung
Nearest town	: Burtibang
Municipality	: Dhorpatan (Reservoir area)
Rural Municipality	: Nisikhola (Dam site and Powerhouses site)
Project Access	
From Burtibang Bazar	: Approx 40 Km of earthen road to Dam site : Approx 20 Km of earthen road to Powerhouse site
Hydrology	
Catchment Area	: 267 km ²
Average flow	: 13.81 m ³ /s
Design flow	: 78.06 m ³ /s
PMF	: 998 m ³ /s
Sediment Yield	: 3690 ton/km ² /yr
Environmental release	: 3.52 m ³ /s, 365 days 24 hours
Reservoir	
Full Supply Level	: EL. 2885 m
Minimum Water Level	: EL. 2798 m
Dead Storage Level	: EL. 2792.5 m
Live storage	: 463 MCM
Dead Storage	: 35.17 MCM
Dead Storage Capacity	: 50 Years
Surface Area at FSL	: 12.46 Sq Km
Dam	
Type	: Rock fill type with impervious clay core
Slope	: Upstream 1:2 Downstream 1:1.8
Crest Elevation	: EL. 2895 m
Crest Length	: 840 m
Maximum Height	: 200 m (From river bed level)
Diversion facilities	
No. of Diversion tunnels	: 1
Length	: 1100 m
Diameter/Cross-section	: 8.50 m
Tunnel	: Concrete Lined, Circular Shaped
Diversion Flood	: 469 m ³ /s (1 in 5000 Years)
U/S Cofferdam Crest level	: EL. 2725.10 m
D/S Cofferdam Crest level	: EL. 2693.40 m
Height of U/S Cofferdam	: 18.10 m
Height of D/S Cofferdam	: 3.40 m
Spillway	
Type	: Radial gated and Un-gated Chute Spillway
Design Flood	: 998 m ³ /s (PMF)
Energy Dissipater	: Flip Bucket with plunge pool
Intake	
Type	: Sloping intakes

Number	: Three
Width	: 22 m
Slot Width	: 6 m wide three Slot
Minimum operating level	: EL. 2798 m
Invert level of intake	: EL. 2785 m
Design Discharge	: 78.06 m ³ /s

Headrace Tunnel

Type	: Circular, Pressurized
Length	: 8510 m
Finished Diameter	: 7.0 m
Lining	: Concrete and Shotcrete

Surge Shaft

Type	: Simple Circular exposed in air
Height	: 105 m
Internal Diameter	: 20 m

PenstockFor Powerhouse-1

Type	: 2 drop shafts with 2 horizontal pressure shaft with steel lining
Internal Diameter of pipe	: 5.20 m
Total Length	: 1875 m

For Powerhouse-2

Type	: 2 drop shafts with 2 horizontal pressure shaft with steel lining
Internal Diameter of pipe	: 5.20 m
Total Length	: 1537 m

Powerhouse CavernFor Powerhouse-1

Power House Type	: Underground
Power house Dimension	: 102 m x 15 m x 30 m
Installed Capacity	: 417 MW
No of Units	: 4 Vertical Axis Pelton Turbine
Unit Capacity	: 105 MW
Turbine centerline level	: EL. 2200 m
Access Tunnel	: 490 m long 6.0 m diameter inverted D shaped

For Powerhouse-2

Power House Type	: Underground
Power house Dimension	: 102 m x 15 m x 30 m
Installed Capacity	: 404 MW
No of Units	: 4 Vertical Axis Pelton Turbine
Unit Capacity	: 101 MW
Turbine centerline level	: EL. 1537 m
Access Tunnel	: 1313 m long 6.0 m diameter inverted D shaped

Transformer CavernFor Powerhouse-1 and Powerhouse-2

Size	: 115.5 m x 12 m x 12 m
Transformer Type	: Single Phase Transformer
Number	: 13
Cable Duct	: 4.0 m Inverted D Shaped

TailraceFor Powerhouse-1

Water Discharges to	: Sangu Khola (Rivulet of Nisi Khola)
Type	: Concrete Lined Inverted D Shaped, Unpressurized
Finished Diameter	: 5.0 m
Length	: 408 m

For Powerhouse-2

Water Discharges to : Nisi Khola
Type : Concrete Lined Circular Shaped, Unpressurized
Finished Diameter : 6.0 m
Length : 2334 m

Adit Tunnel

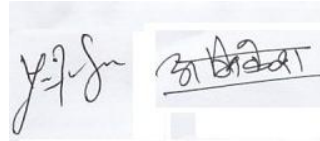
Type : Inverted D Shaped
Total Length : 1276 m
Finished Diameter : 4.5 m
Lining : Shotcrete

Transmission Line

Transmission voltage : 400 kV Double Circuit Bison
Length : 65 Km
Interconnection Point : Uttar Ganga Hub

Energy Generation

Dry Energy : 1299 GWhr
Wet Energy : 0 GWhr
Average Annual Energy : 1299 GWhr

Handwritten signature and stamp.



D. EVALUATION OF CONSULTANT'S EOI APPLICATION

D.1 General

Uttar Ganga Power Company Limited (UGPCL) wishes to receive the Expression of Interest (EOI) from the eligible consulting firms for preparation of **Review of Feasibility Study Report, Preparation of Detailed Engineering Design and Bidding Documents for Project Construction of Uttar Ganga Storage Hydroelectric Project** ("the project").

The selected consultant will be expected to complete the services within eighteen (18) calendar 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. Experiences of the Associate firms will not be considered for evaluation.

D.2 Evaluation Procedure for Screening of Consulting Firms

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 first stage of selection, maximum six numbers of consulting firms will be selected from list of consulting firms who has submitted Expressions of Interest within the scheduled date and time in response to the notice on Invitation for Expression of Interest for the Consulting Services published by the UGPCL. First stage of evaluation for short listing of consulting firms will be carried out based on the set of evaluation criteria specified below. In the second stage, proposals received from those short-listed consulting firms will be evaluated to select the best 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: Preliminary Screening of Consulting Firms

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 shall not be 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 five consecutive years not earlier than 2011
 - Company Profile
- iii. The consulting firms must not have been black listed by Public Procurement Monitoring Office (PPMO) or NEA at the time of submission of EOI proposal,
- iv. Consulting firms must have been legally registered for at least Seven (7) years from the last date of submission of EOI,
- v. Duly filled up attached forms.

Technical Threshold Criteria

Evaluation under these criteria will be based on detailed engineering design of hydropower projects **successfully carried out** during last seven (7) years preceding from the last date of submission of EOI. Ongoing works of preparation of detailed engineering design will not be considered for

evaluation. Detailed engineering design review will not be considered for evaluation. All of the criteria listed below should be fulfilled by single or separate projects.

- i. The consultant must have experience in Detail Engineering Design of at least one project having dam height not less than 100 m,
- ii. The consultant must have experience in Detail Engineering Design of at least one project having installed capacity not less than 300 MW,
- iii. The consultant must have experience in Detail Engineering Design of at least one project having underground powerhouse having cavern width not less than 10 m,
- iv. The consultant must have experience in Detail Engineering Design of at least one project having gross head 300 m or above it,
- v. The consultant must have experience in Preparation of Tender Document of at least one project having installed capacity not less than 300 MW,
- vi. Minimum average annual turnover of the best three years over the last five years shall be US\$ 3 Million.

Threshold Criteria for Joint Venture Firms

- i. The lead partner of the Joint Venture firm must have majority and not less than 40% share and each of the other partner must have at least 25% of share,
- ii. Lead of JV shall meet **General Threshold Criteria** (ii), (iii), (iv), (v) and (vi),
- iii. 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.
- iv. Combined experience of the JV must meet all the **Technical Threshold Criteria**,
- v. Joint Venture firms shall submit the Joint Venture Agreement or MOU of JV Agreement or intended JV Agreement along with their EOI proposal,
- vi. An applicant must not submit more than one (1) EOI proposal as either a single entity or partner in JV,
- vii. In case that the JV partner are from different countries, the nationality of the lead partner shall determine the nationality of the JV firm.

Note

- *The Consulting firms not complying with all threshold criteria stated above shall not be considered for further evaluation.*
- *Qualification and Experience of consulting firm associated as sub consulting firm will not be considered for evaluation.*
- *Association of any firm with more than one firm during EOI/RFP submission will not be allowed.*

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 of hydropower projects **successfully carried out** during last seven (7) 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:	Qualification of the consulting firm	: Maximum 300 Points
Criteria 2:	Experience of the consulting firm	: Maximum 600 Points
Criteria 3:	Capacity of the consulting firm	: Maximum 100 Points

D.2.2.1 CRITERIA 1: Qualification of Consulting Firm (Maximum 300 Points)

Evaluation under this criterion is based on the following category:

1. Qualification of Professional (Key) Expert : 20% (60 points)
2. Experience of Professional (Key) Expert : 80% (240 points)

Sn	Description of Criteria	Points
1	Qualification of Consulting Firm	300.00
1.1	Qualification of Professional (Key) Expert	60.00
i	Team Leader	
	Master's Degree or higher	
	Bachelor's Degree	
ii	Dam Specialist	
	Master's Degree or higher	
	Bachelor's Degree	
iii	Hydropower Engineer	
	Master's Degree or higher	
	Bachelor's Degree	
iv	Geotechnical Engineer	
	Master's Degree or higher	
	Bachelor's Degree	
v	Contract Engineer	
	Master's Degree or higher	
	Bachelor's Degree	
1.2	Experience of the Professional (Key) Expert	240.00
i	Team Leader	
	One Project with Installed Capacity 500 MW or above	
	Three projects with Installed Capacity 300 MW or above	
	Two projects with Installed Capacity 300 MW or above	
	One project with Installed Capacity 300 MW or above	
	Not Complying above	
ii	Dam Specialist	
	One Project with Dam height (from existing ground level) 150 m or above	
	Three projects with Dam height (from existing ground level) 100 m or above	
	Two projects with Dam height (from existing ground level) 100 m or above	
	One project with Dam height (from existing ground level) 100 m or above	
	Not Complying above	
iii	Hydropower Engineer	
	One Project with Installed Capacity 500 MW or above	
	Three projects with Installed Capacity 300 MW or above	
	Two projects with Installed Capacity 300 MW or above	
	One project with Installed Capacity 300 MW or above	
	Not Complying above	
iv	Geotechnical Engineer	
	One project with Powerhouse Cavern (excavation) width 15 m or above	
	Three projects with Powerhouse Cavern (excavation) width 10 m or above	
	Two projects with Powerhouse Cavern (excavation) width 10 m or above	
	One project with Powerhouse Cavern (excavation) width 10 m or above	
	Not Complying above	
v	Contract Engineer	
	One Project with Installed Capacity 500 MW or above	
	Three projects with Installed Capacity 300 MW or above	

Sn	Description of Criteria	Points
	Two projects with Installed Capacity 300 MW or above	
	One project with Installed Capacity 300 MW or above	
	Not Complying above	

Notes:

1. 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.

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 Hydropower Projects in last seven (7) 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% (60 points)**
1. Consulting firms having experience of (seven) 7 years : 100% (60 points)
- B) Specific Experience of the consulting firm :80%(480 points)**
1. Experience in Detail Engineering Design of Hydropower Projects :80% (384 points)
 2. Experience in Preparation of Tender Document of Hydropower Projects : 20% (96 points)
- C) Similar Geographical Experience of the consulting firm : 10% (60 points)**
1. Detail Engineering Design of Storage type of Hydropower Projects : 60% (36 points)
 2. Detail Engineering Design of Hydropower Projects with Installed Capacity at least 300 MW : 20% (12 points)
 3. Preparation of Tender Document of Hydropower Projects : 20% (12 points)

Sn	Description of Criteria	Points
A	General Experience of consulting firm	60.00
	Consulting firm having experience (legally registered) for 7 years or more	
	Not Complying above	
B	Specific Experience of consulting firm	480.00
B.1	Experience in Detail Engineering Design of Hydropower projects	384.00
i	Storage Project with Dam	
	One Project with Dam height (from existing ground level) 150 m or above	
	Three projects with Dam height (from existing ground level) 100 m or above	
	Two projects with Dam height (from existing ground level) 100 m or above	
	One project with Dam height (from existing ground level) 100 m or above	
	Not Complying above	
ii	Installed Capacity of Project	
	One Project with Installed Capacity 500 MW or above	
	Three projects with Installed Capacity 300 MW or above	
	Two projects with Installed Capacity 300 MW or above	
	One project with Installed Capacity 300 MW or above	
	Not Complying above	

Sn	Description of Criteria	Points
iii	Gross Head of Project	
	One Project with Gross Head 600 m or above	
	Two projects with Gross Head 500 m or above	
	Two projects with Gross Head 300 m or above	
	One project with Gross Head 300 m or above	
	Not Complying above	
iv	Powerhouse Cavern width of Project	
	One project with Powerhouse Cavern (excavation) width 15 m or above	
	Three projects with Powerhouse Cavern (excavation) width 10 m or above	
	Two projects with Powerhouse Cavern (excavation) width 10 m or above	
	One project with Powerhouse Cavern (excavation) width 10 m or above	
	Not Complying above	
v	Water Conveyance tunnel of Project	
	One project with finished tunnel diameter of 8 m or more	
	Three projects with finished tunnel diameter of 5 m or above	
	Two projects with finished tunnel diameter of 5 m or above	
	One project with finished tunnel diameter of 5 m or above	
	Not Complying above	
B.2	Experience in Preparation of Tender Document of Hydropower Projects	96.00
i	Storage Project with Dam	
	One Project with Dam height (from existing ground level) 150 m or above	
	Three projects with Dam height (from existing ground level) 100 m or above	
	Two projects with Dam height (from existing ground level) 100 m or above	
	One project with Dam height (from existing ground level) 100 m or above	
	Not Complying above	
ii	Installed Capacity of Project	
	One Project with Installed Capacity 500 MW or above	
	Three projects with Installed capacity 300 MW or above	
	Two projects with Installed capacity 300 MW or above	
	One project with Installed capacity 300 MW or above	
	Not Complying above	
C	Similar Geographical Experience of Consulting Firm	60.00
C.1	Detail Engineering Design of Storage type of Hydropower projects	36.00
	Hindu Kush Himalayan (HKH) Region	
	Any country other than home country	
C.2	Detail Engineering Design of Hydropower Projects with Installed Capacity at least 300 MW	12.00
	Hindu Kush Himalayan (HKH) Region	
	Any country other than home country	
C.3	Preparation of Tender Document of Hydropower Projects	12.00
	Hindu Kush Himalayan (HKH) Region	
	Any country other than home country	

Notes:

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.

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) (<http://www.icimod.org/?q=1137>)*

D.2.2.3 CRITERIA 3: 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;

Sn	Description of Criteria	Points
3	Capacity of Consulting Firm	100.00
	Average annual turnover more than 7 Million USD	
	Average annual turnover in between 5 Million USD and 7 Million USD	
	Average annual turnover in between 3 Million USD and 5 Million USD	
	Not Complying above	

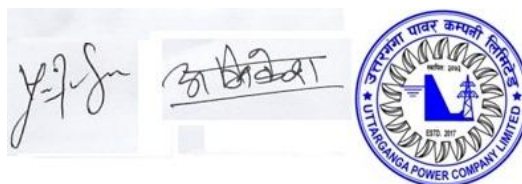
Notes:

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 600 points out of 1000 points will not be qualified for short listing. For short-listing of the qualified consulting firms, the following procedures will be followed;

1. Rank the firms in order of merit according to the points secured by them.
2. Select top ranked six consulting firms not exceeding two firms from any one country, to which RFP will be addressed.
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 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.

Form A	: General information
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	: Qualification and Experience of Professional (Key) Expert
<i>Form B-1-1</i>	: <i>Qualification and Experience of Team Leader</i>
<i>Form B-1-2</i>	: <i>Qualification and Experience of Dam Specialist</i>
<i>Form B-1-3</i>	: <i>Qualification and Experience of Hydropower Engineer</i>
<i>Form B-1-4</i>	: <i>Qualification and Experience of Geotechnical Engineer</i>
<i>Form B-1-5</i>	: <i>Qualification and Experience of Contract Engineer</i>
Form B-2	: Experience of Consulting firm(s)
<i>Form B-2-1</i>	: <i>General Experience of Consulting firm(s)</i>
<i>Form B-2-2</i>	: <i>Specific and Similar Geographical Experience of Consulting firm(s)</i>
Form B-3	: 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
Uttar Ganga Power Company Limited
Nepal Electricity Authority, Durbar Marg, Kathmandu, Nepal
Telephone No.: +977-1- 4153039
Fax No.: +977-1- 4153040
Email Address: ugpcl@nea.org.np

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 Uttar Ganga Power 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. Uttar Ganga Power 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. Uttar Ganga Power 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):



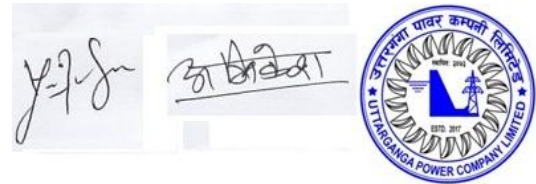
Form A-2: Joint Venture Information

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

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

Notes:

1. *Maximum three (3) Firms can make a Joint Venture.*
2. *The lead partner of the Joint Venture firm must have majority and not less than 40% share and each of the other partner must have at least 25% of share. The lead partner should hold the power of attorney.*
3. *Provide duly signed and stamped Joint Venture Agreement and Power of Attorney of the signatories by each member in the JV.*



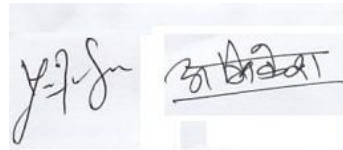
Form A-3: Applicant's Information

(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.*

Handwritten signatures and stamps in blue ink, including a signature and a stamp with the name 'S. K. Singh'.

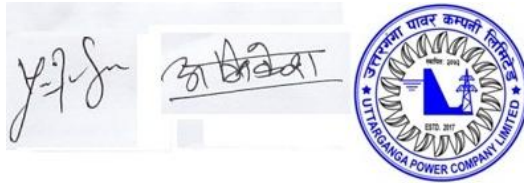
Form A-4: Local Agent's Information

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**Form B-1-1: 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 Hydropower Projects having installed capacity 300 MW or above successfully carried out during last seven (7) 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.

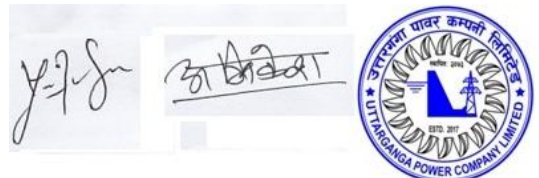
_____ Date: _____
 [Signature of staff member and authorized representative of the consultant] dd/mm/yyyy

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-1**Form B-1-2: Qualification and Experience of Dam Specialist**

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 Specialist in Detail Engineering Design of Storage Type of Hydropower Projects having dam height 100 m or above successfully carried out during last seven (7) 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-1**Form B-1-3: Qualification and Experience of 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 Hydropower Engineer in Detail Engineering Design of Hydropower Projects having installed capacity 300 MW or above successfully carried out during last seven (7) 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.

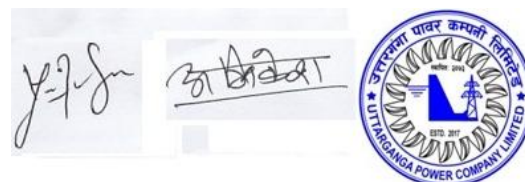
_____ Date: _____
 [Signature of staff member and authorized representative of the consultant] dd/mm/yyyy

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-1**Form B-1-4: 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 Geotechnical Investigation, Tests and Design for Detail Engineering Design Hydropower Projects having installed capacity 300 MW or above successfully carried out during last seven (7) years.

Project Details for above Experience

S.N.	Name of Project	Installed Capacity (MW)	Powerhouse Cavern width	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-1**Form B-1-5: 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 for Preparation of Bidding Documents of Hydropower Projects having installed capacity 300 MW or above successfully carried out during last seven (7) 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.

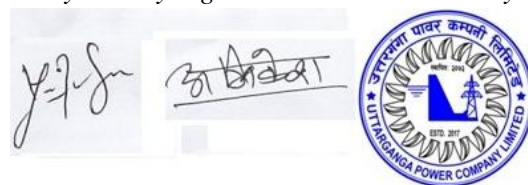
_____ Date: _____
[Signature of staff member and authorized representative of the consultant] dd/mm/yyyy

Full name of Staff Member : _____

Full name of Authorized Representative : _____

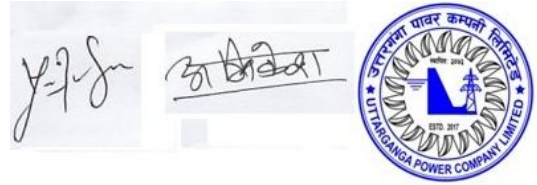
Notes:

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-2**Form B-2-1: General Experience of Consulting firm(s)**

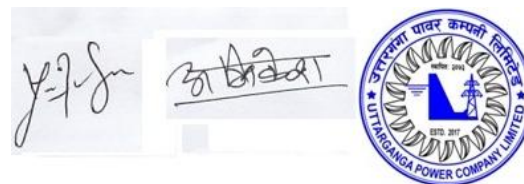
1. Notarized copy of valid Company Registration Certificate
2. In the case of Joint Venture Agreement, the JV Partners shall duly signed & stamped with company seal by each member of JV & clearly mentioning name of the lead firm, name of JV partners, role and responsibility of each member, name and signature of the authorized signatories and share percentage of each JV partners. (In any case, the firms are not allowed to enter into more than one joint venture for same job)
3. Power of Attorney of authorized signatories of JV Agreement from their respective firm with signature & seal for each member of JV.



Form B-2
Form B-2-2: Specific and Similar Geographical Experience of Consulting firm(s)

Name of Consulting Firm/JV															
Criteria (Detailed Engineering Design of Hydropower Projects having ;)	Project Information											Partner Name (Including Lead and JV)			
	Name	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				
Dam height (from existing ground level) 100 m or above															
Installed Capacity 300 MW or above															
Gross Head 300 m or above															
Powerhouse Cavern width 10 m or above															
Finished tunnel diameter 5 m or above															

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



Form B-3: Financial Capacity of Consulting Firm

Full name of the Consulting Firm:

Financial Status:

Average Annual Turnover of last five (5) financial years					
Description	Financial Year	Financial Year	Financial Year	Financial Year	Financial Year
Turnover (USD)					

Average Annual Turnover of best three (3) financial years			
Description	Financial Year	Financial Year	Financial Year
Turnover (USD)			

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.

